**Supplementary material**

Supplemental Table 1: Cross-level-interaction between the child’s location of lunch and group membership (dependent variable: overall F&V intake frequency)

|  |  |  |
| --- | --- | --- |
|  | **Fixed part** | **Random part** |
|  | **Coef.** | **Est.** | **SE** | **t** | **p-value** | **df** | **Coef.** | **Var.** | **p-value** |
|  |  |  |  |  |  |  |  |  |  |
| Intercept | γ000 | 1.19 | 0.08 | 14.54 | <0.001 | 44 | u00j | 0.08 | <0.001 |
| Thrice weekly intervention | γ001 | -0.27 | 0.12 | -2.22 | 0.032 | 44 |  |  |  |
| Twice weekly intervention | γ002 | -0.30 | 0.11 | -2.66 | 0.011 | 44 |  |  |  |
| Grade | γ003 | -0.38 | 0.09 | -4.11 | <0.001 | 44 |  |  |  |
| Lunch at home | γ010 | -0.47 | 0.10 | -4.84 | <0.001 | 509 |  |  |  |
| Thrice weekly\*lunch at home | γ011 | 0.13 | 0.16 | 0.82 | 0.412 | 509 |  |  |  |
| Twice weekly\*lunch at home | γ012 | 0.32 | 0.14 | 2.39 | 0.017 | 509 |  |  |  |
| Gender | γ020 | 0.31 | 0.06 | 5.51 | <0.001 | 509 |  |  |  |
| Low SES | γ030 | -0.18 | 0.08 | -2.21 | 0.028 | 509 |  |  |  |
| Middle SES | γ030 | -0.19 | 0.07 | -2.83 | 0.005 | 509 |  |  |  |
| For period slope |  |  |  |  |  |  |  |  |  |
| Intercept | γ100 | 0.04 | 0.10 | 0.42 | 0.676 | 44 | u10j | 0.10 | <0.001 |
| Thrice weekly intervention | γ101 | 0.98 | 0.15 | 6.59 | <0.001 | 44 |  |  |  |
| Twice weekly intervention | γ102 | 0.76 | 0.14 | 5.59 | <0.001 | 44 |  |  |  |
| Grade | γ103 | 0.17 | 0.11 | 1.49 | 0.143 | 44 |  |  |  |
| Lunch at home | γ110 | 0.29 | 0.13 | 2.24 | 0.026 | 509 |  |  |  |
| Thrice weekly\*lunch at home | γ111 | -0.22 | 0.21 | -1.04 | 0.297 | 509 |  |  |  |
| Twice weekly\*lunch at home | γ112 | -0.31 | 0.18 | -1.73 | 0.085 | 509 |  |  |  |
| Gender | γ120 | 0.16 | 0.09 | 1.85 | 0.071 | 47 | u12j | 0.10 | 0.027 |
| Low SES | γ130 | -0.10 | 0.11 | -0.93 | 0.353 | 509 |  |  |  |
| Middle SES | γ140 | 0.01 | 0.09 | 0.14 | 0.891 | 509 |  |  |  |

Note: Coef, Coefficient; Est., Estimate, SE, Standard Error, df, Degrees of Freedom; Var, Variance Components. The variance of the Level-1 residual (etij) was estimated to be 1.08. The variance of the Level-2 residual of intercepts (r0ij) was 0.16. The variance of the Level-2 residual of slopes for period (r1ij) was 0.16.

Supplemental Table 2: Cross-level-interaction between group membership and the covariates lunch and SES (dependent variable: F&V intake frequency on F&V days)

|  | **Fixed part** | **Random part** |
| --- | --- | --- |
|  | **Coef.** | **Est.** | **SE** | **t** | **p-value** | **df** | **Coef.** | **Var.** | **p-value** |
| **Model IV** |  |  |  |  |  |  |  |  |  |
| Intercept | γ000 | 1.20 | 0.08 | 14.17 | <0.001 | 44 |  |  |  |
| Thrice weekly intervention | γ001 | -0.27 | 0.13 | -2.14 | 0.038 | 44 | u00j | 0.08 | <0.001 |
| Twice weekly intervention | γ002 | -0.31 | 0.12 | -2.67 | 0.011 | 44 |  |  |  |
| Grade | γ003 | -0.37 | 0.10 | -3.87 | <0.001 | 44 |  |  |  |
| Lunch at home | γ010 | -0.47 | 0.10 | -4.86 | <0.001 | 501 |  |  |  |
| Thrice weekly\*lunch at home | γ011 | 0.14 | 0.16 | 0.90 | 0.369 | 501 |  |  |  |
| Twice weekly\*lunch at home | γ012 | 0.32 | 0.14 | 2.36 | 0.019 | 501 |  |  |  |
| Gender | γ020 | 0.31 | 0.06 | 5.51 | <0.001 | 501 |  |  |  |
| Low SES | γ030 | -0.12 | 0.18 | -0.68 | 0.499 | 501 |  |  |  |
| Thrice weekly\*low SES | γ031 | -0.13 | 0.22 | -0.59 | 0.558 | 501 |  |  |  |
| Twice weekly\*low SES | γ032 | 0.00 | 0.22 | -0.01 | 0.996 | 501 |  |  |  |
| Middle SES | γ040 | -0.18 | 0.11 | -1.62 | 0.107 | 501 |  |  |  |
| Thrice weekly\*middle SES | γ041 | -0.02 | 0.18 | -0.10 | 0.924 | 501 |  |  |  |
| Twice weekly\*middle SES | γ042 | -0.04 | 0.16 | -0.22 | 0.825 | 501 |  |  |  |
| For period slope |  |  |  |  |  |  |  |  |  |
| Intercept | γ100 | 0.04 | 0.11 | 0.35 | 0.73 | 44 | u10j | 0.12 | <0.001 |
| Thrice weekly intervention | γ101 | 1.06 | 0.17 | 6.19 | <0.001 | 44 |  |  |  |
| Twice weekly intervention | γ102 | 1.30 | 0.16 | 8.01 | <0.001 | 44 |  |  |  |
| Grade | γ103 | 0.19 | 0.13 | 1.46 | 0.151 | 44 |  |  |  |
| Lunch at home | γ110 | 0.28 | 0.13 | 2.09 | 0.037 | 501 |  |  |  |
| Thrice weekly\*lunch at home | γ111 | -0.15 | 0.23 | -0.65 | 0.519 | 501 |  |  |  |
| Twice weekly\*lunch at home | γ112 | -0.40 | 0.22 | -1.87 | 0.062 | 501 |  |  |  |
| Gender | γ120 | 0.16 | 0.11 | 1.47 | 0.147 | 47 | u12 | 0.21 | <0.001 |
| Low SES | γ130 | -0.21 | 0.24 | -0.86 | 0.391 | 501 |  |  |  |
| Thrice weekly\*low SES | γ131 | 0.12 | 0.31 | 0.38 | 0.703 | 501 |  |  |  |
| Twice weekly\*low SES | γ132 | 0.02 | 0.34 | 0.06 | 0.956 | 501 |  |  |  |
| Middle SES | γ140 | 0.11 | 0.15 | 0.72 | 0.474 | 501 |  |  |  |
| Thrice weekly\*middle SES | γ141 | -0.14 | 0.26 | -0.53 | 0.595 | 501 |  |  |  |
| Twice weekly\*middle SES | γ142 | -0.44 | 0.25 | -1.76 | 0.079 | 501 |  |  |  |

Note: Coef, Coefficient; Est, Estimate, SE, Standard Error, df, Degrees of Freedom; Var, Variance Component. The variance of the Level-1 residual (etij) was estimated to be 0.94. The variance of the Level-2 residual of intercepts (r0ij) was 0.18. The variance of the Level-2 residual of slopes for period (r1ij) was 0.29.

Supplemental Table 3: Thrice weekly intervention vs. twice weekly intervention, dependent variable overall F&V intake frequency

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Coef.** | **Est.** | **SE** | **t** | **p-value** | **df** | **Coef.** | **Var.** | **p-value** |
|  |  |  |  |  |  |  |  |  |  |
| Intercept | γ000 | 0.90 | 0.08 | 11.69 | <0.001 | 30 | u00j | 0.06 | <0.001 |
| Thrice weekly intervention | γ001 | -0.06 | 0.11 | -0.53 | 0.598 | 30 |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
| For period slope |  |  |  |  |  |  |  |  |  |
| Intercept | γ100 | 0.78 | 0.11 | 6.89 | <0.001 | 30 | u10 | 0.14 | <0.001 |
| Thrice weekly intervention | γ101 | 0.21 | 0.17 | 1.29 | 0.207 | 30 |  |  |  |

Note: Coef, Coefficient; Est, Estimate, SE, Standard Error, df, Degrees of Freedom; Var, Variance Components. The variance of the Level-1 residual (etij) was estimated to be 1.13. The variance of the Level-2 residual of intercepts (r0ij) was 0.09. The variance of the Level-2 residual of slopes for period (r1ij) was 0.23. \*p < .05, \*\*p < .01, \*\*\*p < .001.

Supplemental Table 4: Thrice weekly intervention vs. twice weekly intervention, dependent variable F&V intake frequency on days with F&V deliveries

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Coef.** | **Est.** | **SE** | **t** | **p-value** | **df** | **Coef.** | **Var.** | **p-value** |
|  |  |  |  |  |  |  |  |  |  |
| Intercept | γ000 | 0.90 | 0.08 | 11.67 | <0.001 | 30 | u00j | 0.07 | <0.001 |
| Thrice weekly intervention | γ001 | -0.06 | 0.11 | -0.55 | 0.589 | 30 |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
| For period slope |  |  |  |  |  |  |  |  |  |
| Intercept | γ100 | 1.32 | 0.14 | 9.29 | <0.001 | 30 | u10 | 0.21 | <0.001 |
| Thrice weekly intervention | γ101 | -0.23 | 0.20 | -1.11 | 0.274 | 30 |  |  |  |

Note: Coef, Coefficient; Est, Estimate, SE, Standard Error, df, Degrees of Freedom; Var, Variance Components. The variance of the Level-1 residual (etij) was estimated to be 0.89. The variance of the Level-2 residual of intercepts (r0ij) was 0.14. The variance of the Level-2 residual of slopes for period (r1) was 0.60.

Supplemental Table 5: Thrice weekly intervention vs. twice weekly intervention, dependent variable F&V intake frequency on days without F&V deliveries

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Coef.** | **Est.** | **SE** | **t** | **p-value** | **df** | **Coef.** | **Var.** | **p-value** |
|  |  |  |  |  |  |  |  |  |  |
| Intercept | γ000 | 0.90 | 0.08 | 11.69 | <0.001 | 30 | u00j | 0.07 | <0.001 |
| Thrice weekly intervention | γ001 | -0.06 | 0.11 | -0.53 | 0.601 | 30 |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
| For period slope |  |  |  |  |  |  |  |  |  |
| Intercept | γ100 | 0.51 | 0.12 | 4.13 | <0.001 | 30 | u10 | 0.17 | <0.001 |
| Thrice weekly intervention | γ101 | 0.28 | 0.19 | 1.47 | 0.151 | 30 |  |  |  |

Note: Coef, Coefficient; Est, Estimate, SE, Standard Error, df, Degrees of Freedom; Var, Variance Components. The variance of the Level-1 residual (etij) was estimated to be 0.81. The variance of the Level-2 residual of intercepts (r0ij) was 0.17. The variance of the Level-2 residual of slopes for period (r1ij) was 0.51.