

Supplemental Material D

Publication bias

TV-off: A funnel plot showed a roughly symmetrical distribution of effect sizes by standard error, and Egger's regression test for funnel plot asymmetry was not significant ($p = 0.137$). The trim and fill method did not impute missing studies; see Figure S2a.

Parental modeling: The funnel plot was slightly skewed to the right. Egger's regression test was not significant ($p = 0.253$). The trim and fill method added three studies, leading to an adjusted effect size of $r = 0.10$, 95% CI [0.06–0.13]; see Figure S2c.

Food quality: The funnel plot was slightly skewed to the right. Egger's regression test for funnel plot asymmetry was significant ($p = 0.03$). Trim and fill analysis method did not indicate any missing studies (see Figure S2b); therefore, we do not consider the threat of publication bias to be grave (see Rothstein, Sutton, & Borenstein, 2005).

Atmosphere: Egger's regression test was not significant ($p = 0.143$). The trim and fill method imputed three additional studies, resulting in an adjusted effect size of $r = 0.10$, 95% CI: [0.04–0.17]; see Figure S2d.

Involvement: The funnel plot was roughly symmetrical; Egger's regression test was not significant ($p = .726$) and the trim and fill method imputed one missing study, resulting in an adjusted effect size of $r = 0.08$, 95% CI: [0.04–0.12]; see Figure S2e.

Duration: The funnel plot was skewed to the right. Egger's regression test for funnel plot asymmetry was significant ($p = 0.008$). Trim and fill analysis imputed three studies, resulting in an adjusted estimate of $r = .12$, 95% CI [0.02–0.23]; see Figure S2f. Although lower, the adjusted effect size was still significant; therefore the impact of meal duration can be considered modest (Rothstein et al., 2005).

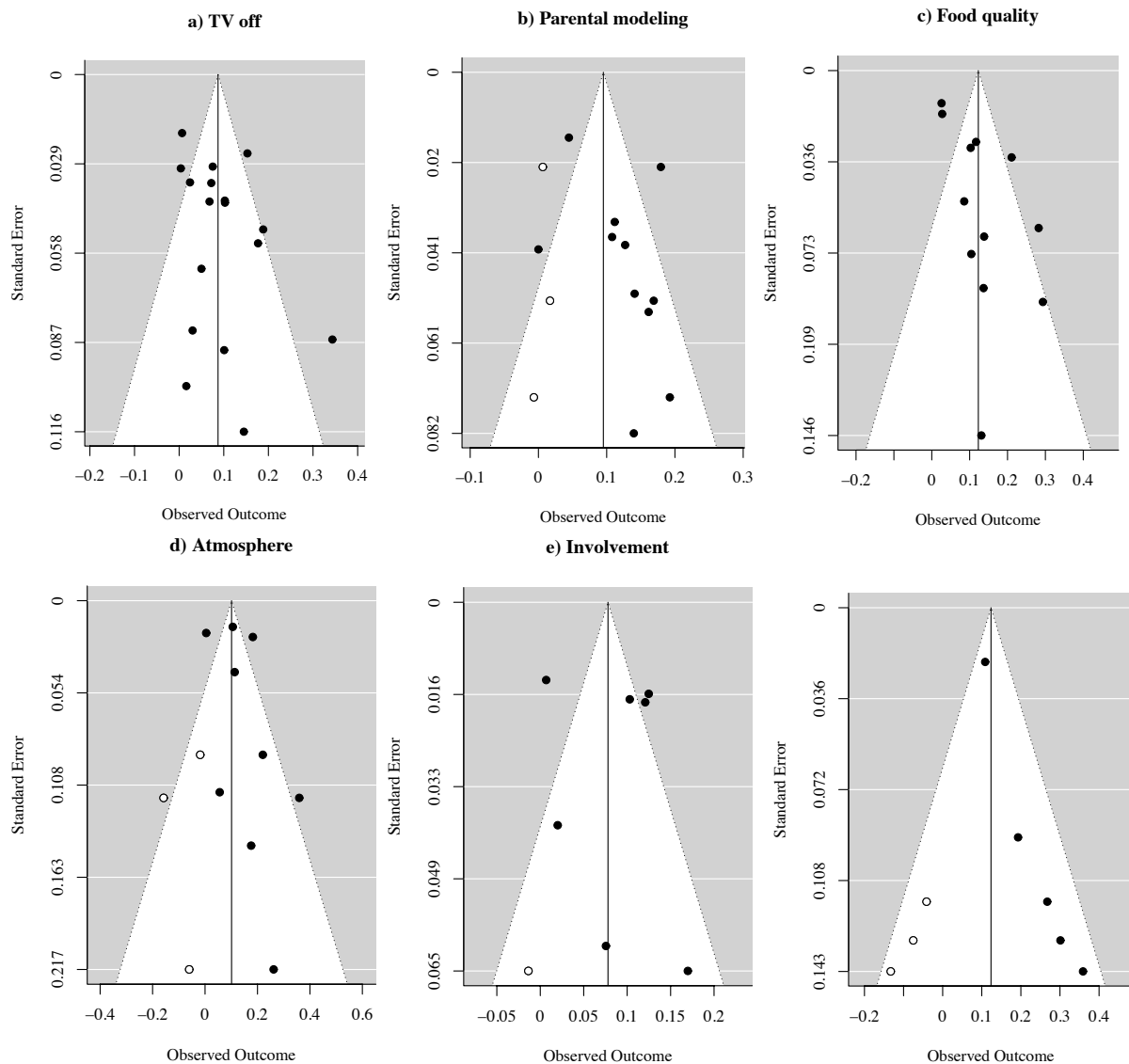


Figure S1. Funnel plots with trimmed and filled effect sizes for (a) TV off, (b) Food quality, (c) Parental modeling, (d) Atmosphere, (e) Involvement.

Note. The vertical lines reflect the pooled mean effect size after trim and fill correction. The diagonal lines are corresponding 95% confidence intervals. Solid circles are the original effect sizes; open circles, the imputed filled effect sizes.

References

Rothstein, H. R., Sutton, A. J., & Borenstein, M. (2005). *Publication bias in meta-analysis:*

Prevention, assessment and adjustment. West Sussex, United Kingdom: John Wiley &

Sons.

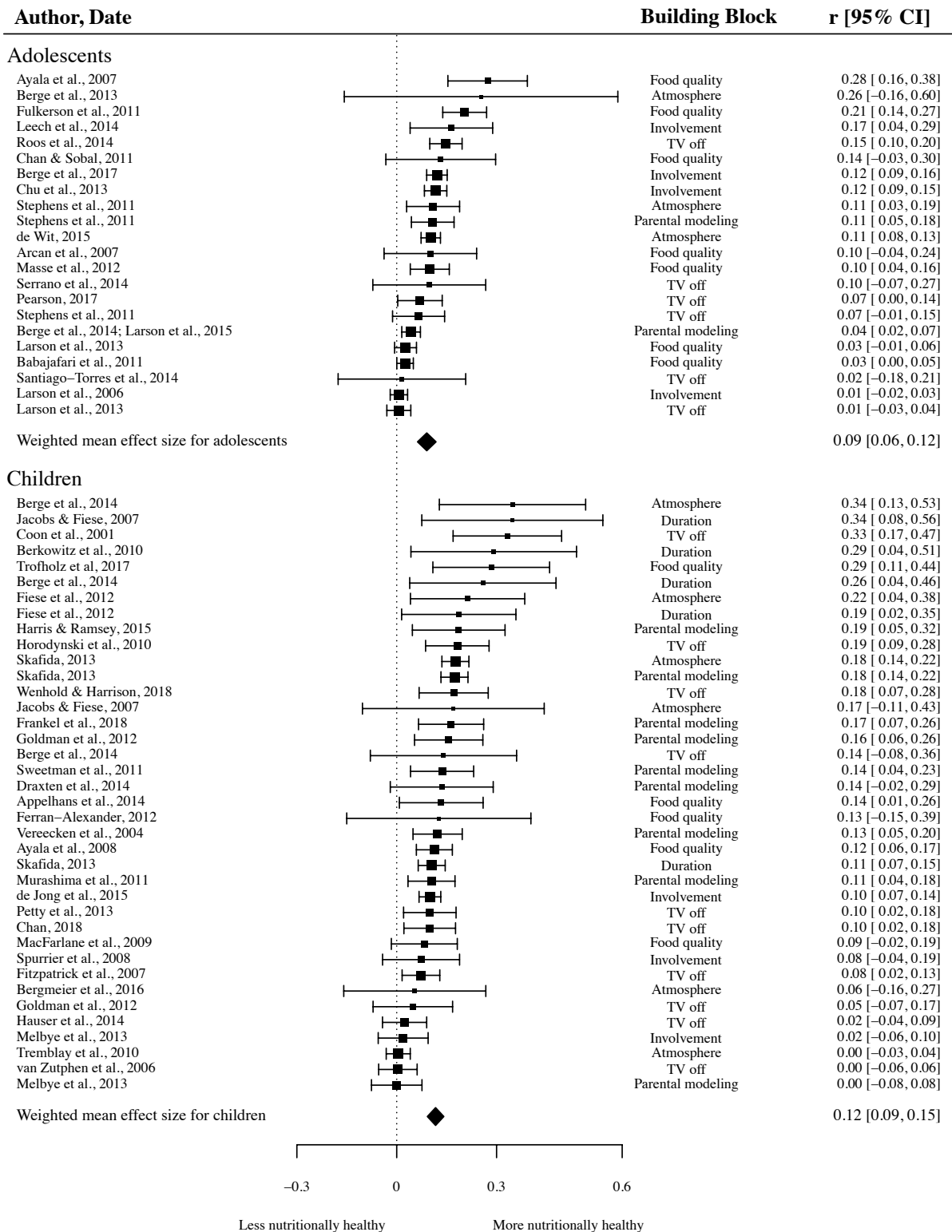


Figure S2. Forest plot showing the distribution of effect sizes across all mealtime building blocks, separately for adolescents and children.