Supplementary Tables

Table 1. Logistic cross-classified multilevel models (CCMM) predicting past week extended screen time (14 hours or more) in the National Longitudinal Study of Adolescent to Adult Health, Wave I, 1994-1995 (N=18,642).

	Model 1 Individual Predictors	Model 2 Individual and School Predictors	Model 3 Individual and Neighborhood Predictors	Model 4 Individual, School, and Neighborhood Predictors
Fixed Effect Estimates	Odds Ratio (95% Credible Interval)			
Intercept, β log odds (95% CI)	2.58 (2.41, 2.76)	2.76 (2.32, 3.14)	2.89 (2.42, 3.26)	2.99 (2.60, 3.33)
Individual-Level				
Age (years)	0.87 (0.86, 0.88)	0.87 (0.76, 0.89)	0.87 (0.076, 0.90)	0.87 (0.85, 0.89)
Female Gender	0.59 (0.55, 0.62)	0.58 (0.55, 0.62)	0.58 (0.55, 0.62)	0.58 (0.55, 0.62)
Race/Ethnicity				
White	REF	REF	REF	REF
Black	1.66 (1.49, 1.84)	1.60 (1.44, 1.80)	1.55 (1.38, 1.75)	1.52 (1.35, 1.70)
Asian	1.17 (1.00, 1.36)	1.15 (0.99, 1.35)	1.14 (0.97, 1.31)	1.15 (0.98, 1.33)
Hispanic	1.10 (0.99, 1.23)	1.07 (0.96, 1.19)	1.07 (0.96, 1.20)	1.06 (0.94, 1.18)
Other	1.09 (0.83, 1.42)	1.05 (0.79, 1.36)	1.06 (0.80, 1.38)	1.03 (0.79, 1.35)
Multiracial	1.19 (1.02, 1.38)	1.18 (1.00, 1.37)	1.16 (0.99, 1.36)	1.17 (0.99, 1.38)
Parental Education				
Less than high school	REF	REF	REF	REF
High school graduate/GED	1.13 (1.01, 1.25)	1.15 (1.03, 1.27)	1.13 (1.01, 1.25)	1.15 (1.03, 1.28)
Some college	1.14 (1.03, 1.28)	1.16 (1.05, 1.28)	1.13 (1.01, 1.25)	1.16 (1.04, 1.30)
College graduate or beyond	1.13 (1.01, 1.25)	0.97 (0.87, 1.08)	0.95 (0.86, 1.06)	0.98 (0.88, 1.10)
Parent Receipt of Public Assistance	0.93 (0.83, 1.03)		1.14 (1.02, 1.27)	1.12 (1.00, 1.25)
School currently in session	0.74 (0.69, 0.79)	0.73 (0.68, 0.78)	0.73 (0.68, 0.78)	0.73 (0.68, 0.77)
School-Level[*]				
Percent White Race		0.99 (0.96, 1.03)		1.00 (0.97, 1.03)
Percent on Public Assistance		1.14 (1.01, 1.27)		1.14 (1.04, 1.24)
Parental College Degree		0.93 (0.89, 0.98)		0.94 (0.90, 1.00)
Neighborhood-Level[*]				
Percent White Race			0.98 (0.96, 1.00)	0.98 (0.96, 1.00)
Percent on Public Assistance			0.99 (0.92, 1.06)	0.97 (0.91, 1.03)
Percent with College Degree			0.95 (0.90, 0.99)	0.97 (0.93, 1.00)
Random Effect Estimates	Variance Parameter (95% Credible Interval) [ICC]			
School	0.12 (0.08, 0.17) [3%]	0.08 (0.05, 0.12) [2%]	0.11 (0.07, 0.15) [3%]	0.09 (0.06, 013) [3%]
Neighborhood	0.03 (0.01, 0.04) [1%]	0.02 (0.01, 0.06) [1%]	0.03 (0.01, 0.05) [1%]	0.01 (0.00, 0.018) [0%]
Fit Statistics (DIC)	24077	24067	24073	24065

ICC: intra-class correlation
DIC: deviance information criterion
*School and neighborhood-level predictors are presented as estimate for a 10% change in the predictor.