Table 1. Baseline Characteristics

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Characteristics** | **N** | **Total Sample (n = 893)** | **Mobile Device Users (n = 200)** | **Mobile Device Nonusers (n = 693)** |
| **Age, mo, mean (SD)** | 893 | 18.74 (1.12) | 18.73 (1.10) | 18.74 (1.12) |
| **Female, no. (%)** | 893 | 410 (45.91) | 97 (48.50) | 313 (45.17) |
| **Temperament, meana (SD)** | 715 |  |  |  |
| Negative affectivity |  | 3.53 (1.08) | 3.59 (0.99) | 3.51 (1.10) |
| Surgency |  | 5.44 (0.67) | 5.42 (0.66) | 5.44 (0.68) |
| Effortful control |  | 5.19 (0.72) | 5.19 (0.70) | 5.18 (0.73) |
| **Mobile media device use daily, min, median (range)** | 893 | 0 (0–300) | 15.71 (1.43–300) | 0.00 (0) |
| **Non–mobile media use time daily, min, median (range)** | 862 | 34.29 (0–600) | 44.29 (0–544.29) | 30.71 (0–600) |
| **Maternal ethnicity, no. (%)** | 773 |  |  |  |
| European |  | 509 (65.85) | 91 (56.17) | 418 (68.41) |
| East, South, Southeast Asian |  | 132 (17.08) | 39 (24.07) | 93 (15.22) |
| West Asian, Arab, North African |  | 16 (2.07) | 3 (1.85) | 13 (2.13) |
| African, Caribbean, Indian-Caribbean |  | 40 (5.17) | 10 (6.17) | 30 (4.91) |
| Latin American |  | 16 (2.07) | 4 (2.47) | 12 (1.96) |
| Mixed |  | 58 (7.50) | 15 (9.26) | 43 (7.04) |
| Other |  | 2 (0.26) | 0 | 2 (0.33) |
| **Maternal education, no. (%)** | 878 |  |  |  |
| High school or less |  | 59 (6.72) | 14 (7.00) | 45 (6.64) |
| College/University |  | 819 (93.28) | 186 (93.00) | 633 (93.36) |
| **Parent daily mobile media device use, min, median (range)** | 860 | 0 (0–840) | 30 (0–840) | 0 (0–162.86) |
| **Household income, no. (%)** | 872 |  |  |  |
| <$40,000 |  | 75 (8.60) | 12 (6.15) | 63 (9.31) |
| $40,000 to <$149,999 |  | 400 (45.87) | 94 (48.21) | 306 (45.20) |
| >$150,000 |  | 397 (45.53) | 89 (44.64) | 308 (45.49) |

aTemperament domain scores ranged from 1 to 7 (1 = extremely untrue of your child; 7 extremely true of your child).

Table 2. Associationa Between Mobile Device Use and Expressive Speech Delay and Other Communication Delays

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | **Unadjusted** | | **Minimally Adjustedb** | | **Fully Adjustedc** | |
| **OR** | **95% CI** | **OR** | **95% CI** | **OR** | **95% CI** |
| Expressive speech delay | 1.58 | 1.05–3.30 | 1.64 | 1.04–3.57 | 2.33 | 1.25–4.82 |
| Other communication delays | 0.91 | 0.29–1.76 | 0.93 | 0.30–2.06 | 1.01 | 0.33–2.49 |

Analyzed according to 30-minute increases in screen time.

aNonparametric, bootstrap estimated.

bMinimally adjusted covariates: child sex, maternal education, and family income.

cFully adjusted covariates: child sex, maternal education, family income, non–mobile media use, parent mobile media device use, negative affectivity, surgency, and effortful control.

CI, confidence interval; OR, mean odds ratio.