

Additional File 1

Manuscript title: ‘Social Screens’ and ‘the Mainstream’: longitudinal competitors of non-organized physical activity in the transition from childhood to adolescence

Table A1. Variables used to explore the characteristics of time-use segments

Potential predictor (respondent)	Description
Demographic/physical characteristics	
Sex (P1)	Determined at Wave 1 [Male/Female]
Indigenous status (P1)	Whether the child is of Aboriginal or Torres Strait Islander origin [Yes/No]
Linguistic diversity (P1)	Whether the child speaks a language other than English at home [Yes/no]
Socioeconomic position of family (P1)	Scale derived by LSAC based on annual household income, educational attainment of parents and occupational status of parents. Validated against experience of economic hardship, being a recipient of income support and other variables (56)
Type of school child attends (P1)	Type of school the child attends [1. (Government) / 2. (Catholic) / 3. (Independent), categories 2-3 merged]
Number of siblings at home (P1)	The number of the study child’s siblings living in the household.
2 parents in the home (P1)	Whether the study child has two parents living in the household [Yes/No]
BMI z-score (DO)	Standardized variable provided by LSAC [Weight(kg)/Height(m) ²]
Gross Motor Coordination (P1)	3 item scale: parent’s assessment of how well the child can run, jump and balance compared to their peers [1. (Better than other children) / 2. (About the same) / 3. (Not as well as other children)]

Pubertal development (P1) 5 item scale: parent's assessment of the child's development of body hair, growth spurt, skin changes, facial hair (males), voice changes (males), breast changes (females) and menarche (females) [1. (Has not yet started) to 4. (Seems complete); menarche: Yes/No]. $\alpha = 0.77$, validated against physician's assessment (57)

PEDS physical health scale (P1) 8 item scale: frequency in the last month that the child had problems with physical tasks [1. (Never) to 5. (Almost Always)]; $\alpha = 0.88$, validated against days of school missed due to health and other variables (58)

Geographic variables

Urban/rural status (DO) Derived by LSAC based on home address, based on the 'Section of State' classification within the ASGS [1. (major urban population) / 2. (other urban population) / 3. (bounded locality) / 4. (rural balance), categories 1-2 and 3-4 merged] (59)

Psychographic variables

Internalising symptoms (P1) Sum of emotional problems scale and peer problems scale from the SDQ [1. (Not True) / 2. (Somewhat true) / 3. (Certainly True)]. α : emotional symptoms (0.67), peer problems (0.57) (60)

Externalising symptoms (P1) Sum of hyperactivity scale and conduct problems scale from the SDQ [1. (Not True) / 2. (Somewhat true) / 3. (Certainly True)]. α : hyperactivity (0.77), conduct problems (0.63) (60)

Introversion (P1) 4 item scale measuring willingness to approach new people from the SATI [1. (Never) to 5. (Always)]. $\alpha = 0.88$, test-retest reliability = 0.82 (61)

Persistence (P1) 4 item scale measuring completion of tasks from the SATI [1. (Never) to 5. (Always)]. $\alpha = 0.90$, test-retest reliability = 0.81 (61)

Reactivity (P1) 4 item scale measuring negative affect from the SATI [1. (Never) to 5.

(Always)]. $\alpha = 0.90$, test-retest reliability = 0.89 (61)

Bullying (P1) Whether the child has been bullied at school in the last year [Yes/No]

Behavioral characteristics of child

Participation in extracurricular activities outside school (P1) Whether the child regularly participated in out-of-school activities in the last week (including community, sports, academic, religious, creative or skills-based activities) [Yes/No]

Overall physical activity participation (TUD) Duration of time spent in non-organized PA, organized PA, active transport or active chores/work (time-use diary)

Acronyms (A-Z): ASGS = Australian Statistical Geography Standard; BMI = Body Mass Index; DO = direct observation; P1 = Primary responding parent; SATI = School-Age Temperament Inventory; SDQ = Strengths and Difficulties Questionnaire; TUD = time-use diary

References (not cited in manuscript)

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