

Appendix A - Search Strategy (MEDLINE)

Database: Ovid MEDLINE, Ahead of Print, In-Process & Other Non-Indexed Citations and Daily <March 1 2014 to March 1 2019>

30	(infant* or infancy or baby or babies or newborn* or new born* or neonat* or toddler* or preschooler* or child* or boy or boys or girl or girls or pediatric* or preteen or adolescen* or youth or teen or teens or teenager*).ti,ab,kw. or exp infant/ or exp child/ or adolescent/
31	(Screen time or Screentime or Screen viewing or Screen usage or "screen use" or "screen media use" or "screen digital media use").ti,ab,kw. or screen time/
32*	((Digital media or Digital activity or Screen media or Electronic media or interactive media or Cell phone* or cellphone* or Smartphone* or Smart phone* or Tablet* or Ipad or I pad or mobile device* or Mobile technology or Digital technology or Mobile phone* or I phone* or Iphone* or Television* or Tv or Dvd or dvds or youtube or Netflix or Instagram or facebook or snapchat or hulu or Social media or screen media or Smart device* or Digital device* or Videogame* or video game* or Video gaming or Video console* or Xbox or X box or Playstation or Wii or Nintendo or Video streaming or virtual reality or augmented reality or Web browsing or internet or computer* or handheld or laptop* or electronic gam*) adj2 ("use" or usage or overuse or view* or watch or play* or exposure)).ti,ab,kw.

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33	(time or frequency or hour or hours or daily or week or day or monitor or monitoring).ti,ab,kw. or time factors/
34	32 and 33
35	(measurement or measuring or measure or assessment* or screening or scale or scales or inventory or tool or tools or test or tests or poll or polls or polling or survey* or questionnaire* or interview* or self report* or child report* or parent report* or teaching report* or recording or monitor or monitoring or naturalistic or observational stud* or observational method* or nationally representative sample or probability sample).ti,ab,kw.
36	"surveys and questionnaires"/ or Self report/ or Interviews as topic/ or observational studies as topic/ or Observational study.pt.
37	35 or 36
38	31 or 34
39	30 and 37 and 38
40	limit 39 to english language
41	40 not (review or editorial or letter or comment).pt.
42	41 not (exp animals/ not humans/)+
43	limit 42 to yr="2007 -Current"
44	limit 42 to yr="2014 -Current"

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* Because the MeSH heading “screen time” has only been in use since 2019, we have created a keyword search strategy to capture articles in which researchers assess the time spent on digital media use without using the phrase “screen time”.