Associations Between Exposures and Health-related Outcomes

Outcome	Specific Outcome	Exposure	Age Group	Lead Author, Da	te <i>r</i> with 95% CI I^2	ĸ	N	
Body composition	Body composition	Screen use: General TV programs and movies: General TV programs and movies: General TV programs and movies: General Video games: General Video games: General Video games: Physically active	Children	Fang, 2019 Zhang, 2016 Marshall, 2004 Poorolajal, 2020 Poorolajal, 2020 Marker, 2022 Hernandez-Jimen	0.14 [0.11, 0.17] 86% 0.11 [0.08, 0.15] 96% 0.06 [0.03, 0.10] 0% 0.11 [0.08, 0.14] 98% 0.01 [-0.05, 0.07] 98% 0.09 [0.03, 0.16] 94% lez, 2019 .25, 0.01] 36%	19 24 12 56 11 13 19	47,164 104,911 3,196 343,999 151,910 20,004 1,347	0
Cognition	Cognitive Functioning Information processing	Screen use: Occased (real-life shape or tablet) Video games: General	Young childre	n /lallawaarachchi, Powers, 2013	2022 [-0.17, 0.04] 30% 0.11 [0.06, 0.15] 66%	10 56	2,001 5,189	
Developmental	General	Screen use: General (mobile phone or tablet)	Young childre	n /lallawaarachchi,	2022 [-0.14, -0.03] 32%	26	9,070	
Diet	Food intake Food intake (calories)	Advertising: Unhealthy food Advertising: Advergames	Children	Boyland, 2016 Folkvord, 2018	0.23 [0.10, 0.37] 90% 0.18 [0.10, 0.25] 82%	13 15	1,756 3,842	
Eye hea l th	Муоріа	Screen use: General (phone or table	et)	Foreman, 2021	0.07 [0.01, 0.14] 92%	10	12,573	
Healthy behavior	General	Screen-based intervention: Health behaviours		Cushing, 2010	0.11 [0.05, 0.17] 88%	33	9,525	
Psychological health	Depression Depression Depression Depression General Internalizing Psychosocial factors	Screen use: General Social Media: General (duration) TV programs and movies: General Social Media: General Social Media: General Screen use: General (mobile phone or tablet)	Adolescents Young childre	Liu, 2016 Ivie, 2020 Liu, 2022 Zou, 2021 Yin, 2019 Eirich, 2022 n /allawaarachchi,	0.04 [0.01, 0.07] 96% 0.12 [0.05, 0.19] 98% 0.12 [0.10, 0.15] 84% 0.11 [0.04, 0.17] 98% 0.08 [0.01, 0.15] 86% 0.06 [0.04, 0.08] 88% 2022 [-0.16, 0.00] 78%	21 12 30 12 12 43 12	138,942 93,740 55,480 50,238 5,522 93,914 2,888	
Risky behavior	Risk taking (general) Risky sexual behaviour Sexual activity Sexual activity (initiation of sex) Substance abuse	Social Media: General Social Media: General Screen use: Sexual content Screen use: Sexual content Social Media: General	Adolescents Adolescents	Vannucci, 2020 Vannucci, 2020 Ferguson, 2017 Ferguson, 2017 Vannucci, 2020	0.21 [0.16, 0.25] 98% 0.21 [0.14, 0.28] 96% 0.08 [0.05, 0.11] 76% 0.08 [0.04, 0.12] 84% 0.19 [0.14, 0.24] 96%	27 14 25 16 14	66,407 23,096 18,127 17,019 36,228	0
Sleep	Duration Duration Problems	Screen use: General TV programs and movies: General Screen use: General (excessive)	Young childre Adolescents Adolescents	n .i, 2020 Bartel, 2015 Mei, 2018	-0.37 [-0.49, -0.25] 00% -0.06 [-0.10, -0.01] '8% 0.09 [0.07, 0.12] 96%	10 10 22	56,720 ■ 9,798 253,190	