## **Associations Between Exposures and Health-related Outcomes**

Outcome	Specific Outcome	Exposure	Age Group	Population	n Study Design	Lead Author, Date	<i>r</i> with 95% Cl	l <sup>2</sup>	ĸ	N		
Body composition	Body composition  Body composition  Body composition	TV programs and movies: General Video games: General Video games: Physically active	Adolescents Children Mixed	General General	Mixed or unspecified  Mixed or unspecified  Experimental	Marshall, 2004 Marker, 2022 Hernandez-Jimenez, 2019	0.06 [ 0.03, 0.10] 0.09 [ 0.03, 0.16] -0.12 [-0.25, 0.01]	94%	13	3,196 20,004 1,347		
Cognition	Cognitive Functioning  Information processing	Screen use: General (mobile phone or tablet) Video games: General	Young children	General	Observational - mixed	Mallawaarachchi, 2022 Powers, 2013	-0.07 [-0.17, 0.04] 0.11 [ 0.06, 0.15]			2,001 5,189		
Developmental	General	Screen use: General (mobile phone or tablet)	Young childrer	n General	Observational - mixed	Mallawaarachchi, 2022	-0.09 [-0.14, -0.03]	82%	26	9,070	0	
Diet	Food intake Food intake (calories)	Advertising: Unhealthy food  Advertising: Advergames	Children Mixed	General General	Experimental  Experimental	Boyland, 2016 Folkvord, 2018	0.23 [ 0.10, 0.37] 0.18 [ 0.10, 0.25]			1,756 3,842		0
Healthy behavior	General	Screen-based intervention: Health behaviours	Mixed	General	Mixed or unspecified	Cushing, 2010	0.11 [ 0.05, 0.17]	88%	33	9,525		
Psychological health	Depression Depression Depression General Internalizing Psychosocial factors	Internet use: General Internet use: General Social Media: General Social Media: General Screen use: General Screen use: General General (mobile phone or tablet)	Mixed  Mixed  Adolescents  Mixed  Mixed  Young children	General General General General General	Cross-sectional only Longitudinal only Observational - mixed Mixed or unspecified Mixed or unspecified Observational - mixed	Yin, 2019	0.24 [ 0.22, 0.27] 0.15 [ 0.09, 0.21] 0.12 [ 0.05, 0.19] 0.08 [ 0.01, 0.15] 0.06 [ 0.04, 0.08] -0.08 [-0.16, 0.00]	94% 98% 86% 88%	13 12 12 43	17,540		
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 Mixed Mixed Adolescents	General General General General	Mixed or unspecified	Vannucci, 2020 Ferguson, 2017 Ferguson, 2017	0.21 [ 0.16, 0.25] 0.21 [ 0.14, 0.28] 0.08 [ 0.05, 0.11] 0.08 [ 0.04, 0.12] 0.19 [ 0.14, 0.24]	96% 76% 84%	14 : 25 :	17,019		
Sleep	Duration	TV programs and movies: General	Adolescents	General	Mixed or unspecified	Bartel, 2015	-0.06 [-0.10, -0.01]	78%	10	9,798		