

## Effect Size Characteristics

Characteristics of included and excluded effect sizes

Variable	Effect Size Used	
	Not Used, N = 198 <sup>1</sup>	Used, N = 253 <sup>1</sup>
<b>Review Year</b>		
1982	0 (0%)	1 (0.4%)
1994	0 (0%)	3 (1.2%)
2002	0 (0%)	1 (0.4%)
2003	0 (0%)	1 (0.4%)
2004	5 (2.5%)	12 (4.7%)
2005	0 (0%)	4 (1.6%)
2008	0 (0%)	1 (0.4%)
2009	0 (0%)	2 (0.8%)
2010	0 (0%)	2 (0.8%)
2011	3 (1.5%)	3 (1.2%)
2012	1 (0.5%)	2 (0.8%)
2013	4 (2.0%)	12 (4.7%)
2014	1 (0.5%)	7 (2.8%)
2015	8 (4.0%)	16 (6.3%)
2016	16 (8.1%)	9 (3.6%)
2017	10 (5.1%)	8 (3.2%)
2018	6 (3.0%)	15 (5.9%)
2019	38 (19%)	50 (20%)
2020	25 (13%)	49 (19%)
2021	28 (14%)	24 (9.5%)
2022	53 (27%)	31 (12%)
<sup>1</sup> n (%); Median (IQR)		

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<b>Outcome Category</b>		
Education	41 (21%)	88 (35%)
Health Behaviour	56 (28%)	63 (25%)
Physical Health	62 (31%)	32 (13%)
Psychology	39 (20%)	69 (27%)
(missing)	0	1
<b>Broad Outcome</b>		
Aggression	0 (0%)	4 (1.6%)
Antisocial Behaviour	0 (0%)	3 (1.2%)
Body composition	45 (23%)	26 (10%)
Cardiometabolic health	4 (2.0%)	3 (1.2%)
Cognition	10 (5.1%)	21 (8.3%)
Developmental	0 (0%)	5 (2.0%)
Diet	17 (8.6%)	15 (5.9%)
Eye health	10 (5.1%)	0 (0%)
Healthy behavior	1 (0.5%)	4 (1.6%)
Learning	29 (15%)	43 (17%)
Literacy	10 (5.1%)	33 (13%)
Numeracy	2 (1.0%)	11 (4.3%)
Physical activity	19 (9.6%)	20 (7.9%)
Physical health	3 (1.5%)	1 (0.4%)
Prosocial Behavior	0 (0%)	3 (1.2%)
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Psychological health	23 (12%)	26 (10%)
Risky behavior	10 (5.1%)	7 (2.8%)
Science	0 (0%)	1 (0.4%)
Screen time	3 (1.5%)	4 (1.6%)
Self-perceptions	1 (0.5%)	2 (0.8%)
Sleep	11 (5.6%)	20 (7.9%)
Social interactions	0 (0%)	1 (0.4%)
<b>Broad Exposure</b>		
Advertising	14 (7.1%)	5 (2.0%)
Computer use	9 (4.5%)	11 (4.3%)
e-Books	0 (0%)	5 (2.0%)
Internet use	1 (0.5%)	7 (2.8%)
Screen use	77 (39%)	47 (19%)
Screen-based intervention	56 (28%)	92 (36%)
Social Media	6 (3.0%)	10 (4.0%)
TV advertising	1 (0.5%)	0 (0%)
TV programs and movies	11 (5.6%)	31 (12%)
Video games	23 (12%)	45 (18%)
<b>Number of Contributing Studies</b>	5 (3, 10)	8 (4, 16)
(missing)	9	3
<b>Pooled Sample Size</b>	1,889 (668, 9,317)	2,047 (740, 5,945)
<b>Age Group</b>		
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Adolescents	21 (11%)	57 (23%)
Children	47 (24%)	74 (29%)
Mixed	115 (58%)	103 (41%)
Young children	15 (7.6%)	19 (7.5%)
<b>Sample Type</b>		
Atypically developing	1 (0.5%)	3 (1.2%)
Autism	6 (3.0%)	1 (0.4%)
Chronic disease	1 (0.5%)	4 (1.6%)
Dyscalculia	0 (0%)	1 (0.4%)
General	185 (93%)	229 (91%)
Math difficulties	1 (0.5%)	2 (0.8%)
Overweight and obese	4 (2.0%)	10 (4.0%)
Poor readers	0 (0%)	3 (1.2%)
<b>Study Design</b>		
Cross-sectional	4 (2.0%)	7 (2.8%)
Cross-sectional only	0 (0%)	9 (3.6%)
Experimental	108 (55%)	129 (51%)
Longitudinal	4 (2.0%)	8 (3.2%)
Longitudinal only	3 (1.5%)	5 (2.0%)
Mixed or unspecified	50 (25%)	79 (31%)
Observational - mixed	29 (15%)	16 (6.3%)
<b>Study-level Data Available</b>	150 (76%)	187 (74%)
<b>Meets Statistical Certainty Criteria</b>		
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Meets Criteria	8 (4.0%)	43 (17%)
Unclear	190 (96%)	210 (83%)
<sup>1</sup> n (%); Median (IQR)		