

# Associations Between Exposures and Health-related Outcomes

| Outcome              | Specific Outcome                    | Exposure                                     | Age Group   | Lead Author, Date | <i>r</i> with 95% CI | <i>I</i> <sup>2</sup> | K  | N       |  |  |  |  |  |
|----------------------|-------------------------------------|--|-------------|-------------------|----------------------|-----------------------|----|---------|--|--|--|--|--|
| Body composition     | Body composition                    | Screen use: General                          | All         | Fang, 2019        | 0.14 [ 0.11, 0.17]   | 86%                   | 19 | 47,164  |  |  |  |  |  |
|                      | Body composition                    | TV programs and movies: General              | All         | Poorolajal, 2020  | 0.12 [ 0.10, 0.15]   | 98%                   | 56 | 343,999 |  |  |  |  |  |
|                      | Body composition                    | TV programs and movies: General              | Children    | Zhang, 2016       | 0.12 [ 0.09, 0.15]   | 96%                   | 24 | 104,911 |  |  |  |  |  |
|                      | Body composition                    | TV programs and movies: General              | Adolescents | Marshall, 2004    | 0.06 [ 0.03, 0.10]   | 0%                    | 12 | 3,196   |  |  |  |  |  |
|                      | Body composition                    | Video games: General                         | All         | Poorolajal, 2020  | 0.07 [ 0.02, 0.11]   | 98%                   | 11 | 151,910 |  |  |  |  |  |
| Diet                 | Food intake                         | Advertising: Unhealthy food                  | All         | Boyland, 2016     | 0.25 [ 0.12, 0.38]   | 88%                   | 13 | 1,756   |  |  |  |  |  |
|                      | Food intake (calories)              | Advertising: Advergames                      | All         | Folkvord, 2018    | 0.18 [ 0.10, 0.25]   | 82%                   | 15 | 3,842   |  |  |  |  |  |
| Healthy behavior     | General                             | Screen-based intervention: Health behaviours | All         | Cushing, 2010     | 0.15 [ 0.10, 0.20]   | 82%                   | 33 | 9,525   |  |  |  |  |  |
| Psychological health | Depression                          | Screen use: General                          | All         | Liu, 2016         | 0.06 [ 0.04, 0.08]   | 92%                   | 21 | 138,942 |  |  |  |  |  |
| Risky behavior       | Risk taking (general)               | Social Media: General                        | Adolescents | Vannucci, 2020    | 0.21 [ 0.16, 0.25]   | 98%                   | 27 | 66,407  |  |  |  |  |  |
|                      | Risky sexual behaviour              | Social Media: General                        | Adolescents | Vannucci, 2020    | 0.21 [ 0.14, 0.28]   | 96%                   | 14 | 23,096  |  |  |  |  |  |
|                      | Sexual activity                     | Screen use: Sexy media                       | All         | Ferguson, 2017    | 0.08 [ 0.05, 0.11]   | 76%                   | 25 | 18,127  |  |  |  |  |  |
|                      | Sexual activity (initiation of sex) | Screen use: Sexy media                       | All         | Ferguson, 2017    | 0.08 [ 0.04, 0.12]   | 84%                   | 16 | 17,019  |  |  |  |  |  |
|                      | Substance abuse                     | Social Media: General                        | Adolescents | Vannucci, 2020    | 0.19 [ 0.14, 0.24]   | 96%                   | 14 | 36,228  |  |  |  |  |  |
| Sleep                | Duration                            | TV programs and movies: General              | Adolescents | Bartel, 2015      | -0.06 [-0.10, -0.01] | '8%                   | 10 | 9,798   |  |  |  |  |  |

-0.4 -0.2 0.0 0.2 0.4  
*r* with 95% and 99.9% CIs