

Standardised Mean Difference

SMD

95%–CI

Subgroup

cartons

Schymanski et al. (2018)

Random effects model

not applicable

11.00

[1.95; 20.05]

11.00

[1.95; 20.05]

glass bottles

OBmann et al. (2018)

Schymanski et al. (2018)

Kankanige and Babel (2020)

Random effects model

$I^2 = 84%$ [54%; 95%], $\chi^2_2 = 12.84$ ($p < 0.01$)

3074.00

[1420.44; 4727.56]

50.00

[16.03; 83.97]

52.00

[50.57; 53.43]

54.83

[-3.43; 113.08]

plastic reusable

OBmann et al. (2018)

Schymanski et al. (2018)

Random effects model

$I^2 = 89%$, $\chi^2_1 = 9.25$ ($p < 0.01$)

4889.00

[1815.61; 7962.39]

118.00

[68.21; 167.79]

2245.88

[-2402.27; 6894.03]

plastic single use

OBmann et al. (2018)

Schymanski et al. (2018)

Kankanige and Babel (2020)

Random effects model

$I^2 = 100%$ [100%; 100%], $\chi^2_2 = 639.04$ ($p < 0.01$)

2649.00

[878.25; 4419.75]

14.00

[5.32; 22.68]

140.00

[135.38; 144.62]

89.51

[-34.33; 213.36]

Fixed effects (plural) model

12.44

[3.52; 21.37]

Prediction interval

$I^2 = 99%$ [99%; 100%], $\chi^2_3 = 4.51$ ($p = 0.21$)

[-71.59; 206.82]

-5000 0 5000

MPs/L

