Supplemental Table S4. All equations used in extraction.

Estimation of mean and *SD*

When the included study had reported the mean/median, range, and the sample size, the mean and *SD* were estimated by following equations [1]:

$\text{mean} = \frac{\min + 2\text{median} + \max}{4}$	when sample size ≤ 25
mean = median	when sample size > 25
$SD = \sqrt{\frac{1}{12}\left[\frac{(\min - 2\text{median} + \max)^2}{4} + (\max - \min)^2\right]}$	when sample size ≤ 15
$SD = \frac{\max - \min}{4}$	when sample size > 15 - ≤ 70
$SD = \frac{\max - \min}{6}$	when sample size > 70

Estimation of unreported *SD* [2]

When the study reported the mean only, linear (log(*SD*) vs log(mean)) chart was used, in which values were extracted from other included studies.[1,2]

log(unreported SD) = Log(reported mean)*a+b

References

[1] Hozo, S. P., Djulbegovic, B., & Hozo, I. (2005). Estimating the mean and variance from the median, range, and the size of a sample. *BMC Med Res Methodol*, *5*, 13.

[2] van Rijkom, H. M., Truin, G. J., & van't Hof, M. A. (1998). A meta-analysis of clinical studies on the caries-inhibiting effect of fluoride gel treatment. *Caries Res*, *32*, 83-92.