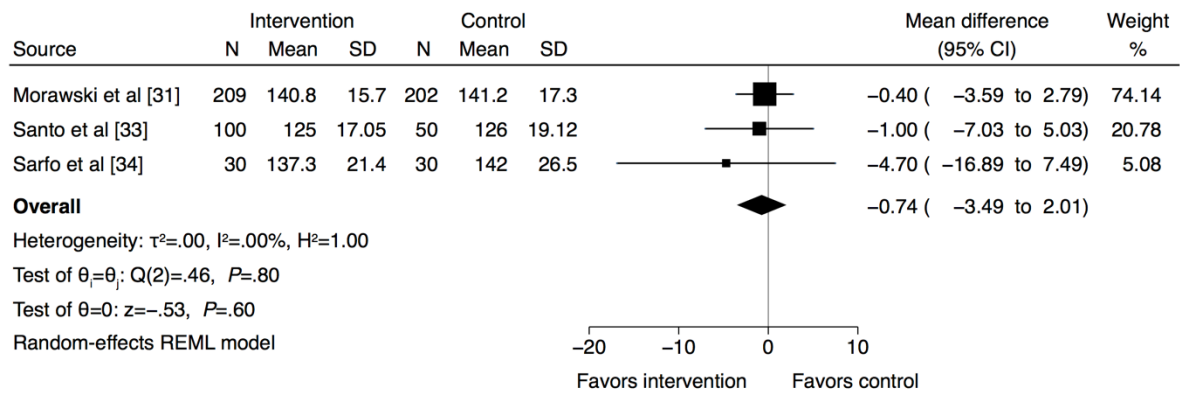


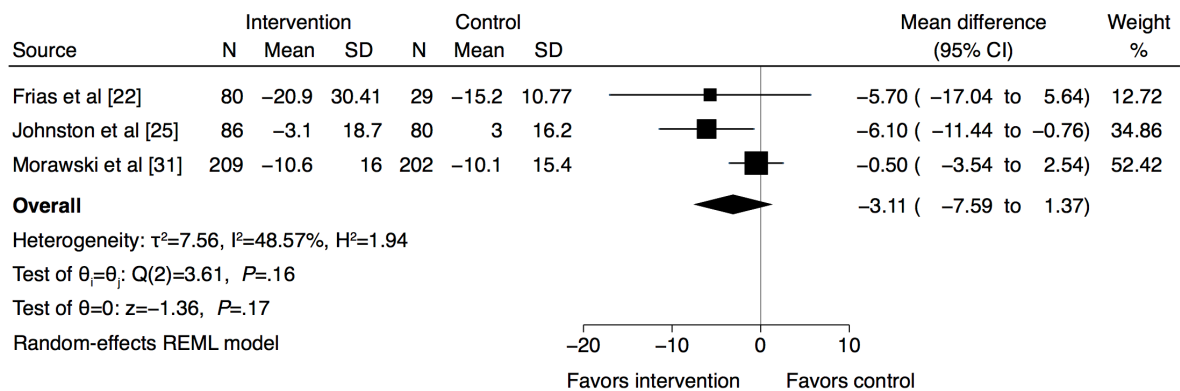
**Multimedia Appendix 4. Meta-analysis and forest plot of the effect of app-based interventions on clinical outcomes.**

**Figure 1.** Meta-analysis and forest plot of the effect of app-based interventions on systolic blood pressure (SBP), using mean values (A), using mean change values (B). REML: restricted maximum likelihood.

(A)

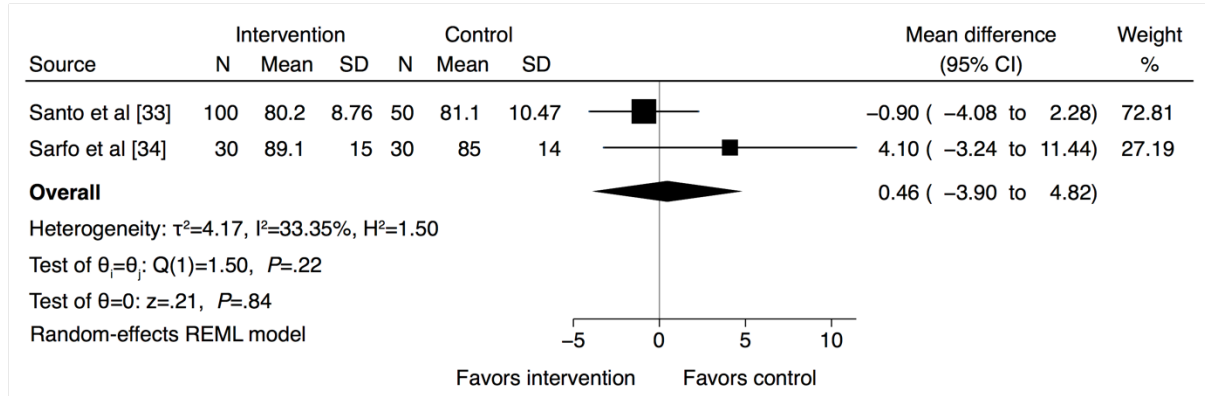


(B)

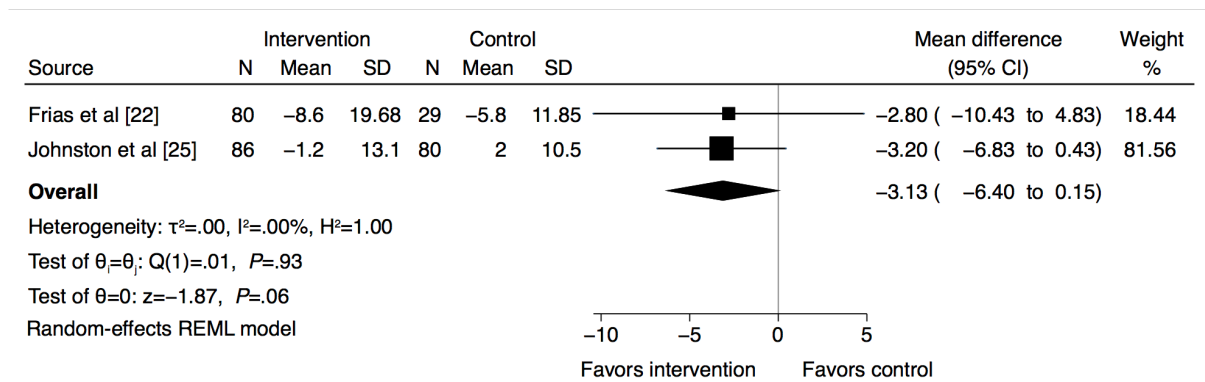


**Figure 2.** Meta-analysis and forest plot of the effect of app-based interventions on diastolic blood pressure (DBP), using mean values (A), using mean change values (B). REML: restricted maximum likelihood.

(A)

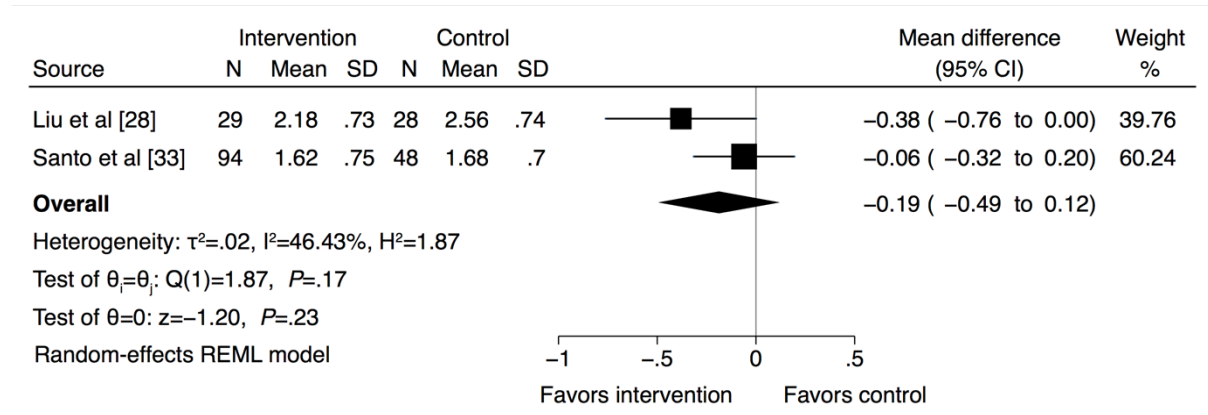


(B)

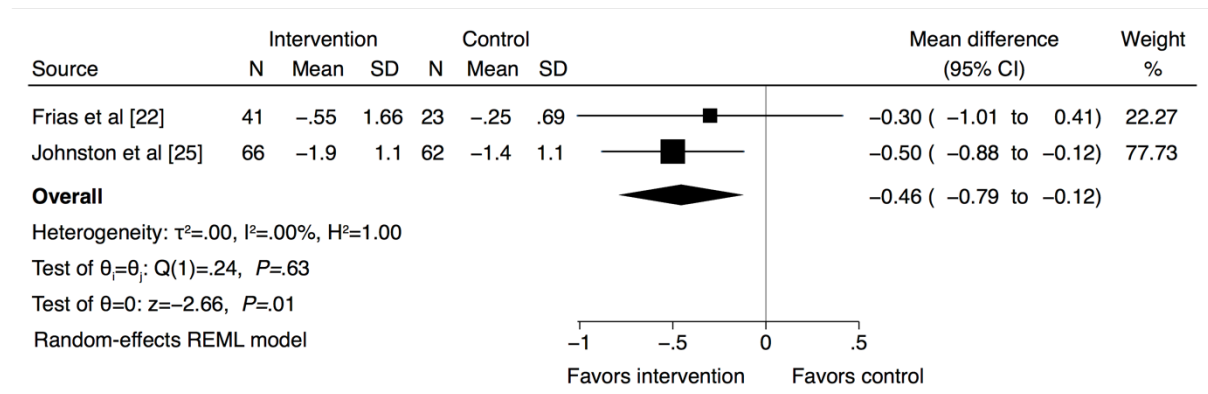


**Figure 3.** Meta-analysis and forest plot of the effect of app-based interventions on low-density lipoprotein cholesterol (LDL-C), using mean values (A), using mean change values (B). REML: restricted maximum likelihood.

(A)



(B)



**Figure 4.** Meta-analysis and forest plot of the effect of app-based interventions on total cholesterol (TC). REML: restricted maximum likelihood.

