

Supplementary Table 1. Results of subgroup analyses by intervention type, intervention duration, and outcome measurement tools

| Subgroup types | Test for overall effect | | | | | Heterogeneity | | Test for subgroup differences | |
|----------------------------------|-------------------------|-------|-------|-------------------------|--------|---------------|--------------------|-------------------------------|--------------------|
| | k | n | | SMD (95% CI) | Z | p | I ² (%) | p | χ ² (p) |
| | | E | C | | | | | | |
| Intervention | | | | | | | | | |
| Text-message | 4 | 806 | 816 | 0.38 (0.05 to 0.70) | 2.29 | .020 | 88.0 | <.001 | |
| Smartphone application | 7 | 592 | 586 | 0.86 (0.27 to 1.45) | 2.86 | .004 | 95.0 | <.001 | |
| Multicomponent mHealth | 3 | 243 | 252 | 1.41 (-1.07 to 3.90) | 1.11 | .270 | 99.0 | <.001 | |
| Total | 14 | 1,641 | 1,654 | 0.86 (0.38 to 1.34) | 3.50 | <.001 | 97.0 | <.001 | 2.49 (.290) |
| Duration | | | | | | | | | |
| 12 wk | 10 | 864 | 868 | 0.28 (0.04 to 0.51) | 0.10 | <.001 | 74.2 | <.001 | |
| 24 wk | 2 | 93 | 86 | 11.09 (-10.52 to 32.70) | 241.49 | >.001 | 99.4 | <.001 | |
| 52 wk | 2 | 623 | 647 | 1.87 (-1.81 to 5.55) | 7.03 | >.001 | 99.7 | <.001 | |
| Total | 14 | 1,630 | 1,648 | 1.91 (-0.92 to 4.75) | 1.33 | .185 | 97.7 | <.001 | 1.67 (.434) |
| Outcome measurement tools | | | | | | | | | |
| HBCS | 4 | 285 | 284 | 0.81 (0.29 to 1.32) | 3.07 | .002 | 88.0 | <.001 | |
| MAQ | 2 | 88 | 93 | 0.54 (0.24 to 0.84) | 3.56 | <.001 | 0.0 | .470 | |
| MMAS-8 | 7 | 1,048 | 1,044 | 0.64 (0.18 to 1.10) | 2.75 | .006 | 95.0 | <.001 | |
| Total | 13 | 1,421 | 1,421 | 0.67 (0.35 to 0.99) | 4.08 | <.001 | 93.0 | <.001 | 0.78 (.680) |

C, control group; CI, confidence interval; E, experimental group; HBCS, Hill-Bone Compliance Scale; MAQ, Medication Adherence Questionnaire; MMAS-8, Morisky Medication Adherence Scale-8; SMD, standardized mean difference.

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