**Evidence Table 27. Weight related outcomes for physical activity intervention studies taking place in a school setting with consumer health informatics components**

| **Author, year** | **Arm** | **Base-line N** | **Baseline measure, mean (SD)** | **First follow-up time-point in weeks** | **N at first followup** | **First follow-up measure, mean (SD)** | **Mean change from baseline (SD)** | **Second follow-up time-point in weeks** | **N Second followup** | **Second followup measure, mean (SD)** | **Mean change from baseline (SD)** | **Final measure time-point** | **N at final measure** | **Final follow-up measure, mean (SD)** | **Mean Change from base-line (SD)** | **Measure of association** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **BMI percentile** | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Schneider 20071 | 1 | 59 | 63.14  (25.02) | 15 | 59 | 62.13 (26.18) |  | 30 | 59 | 59.42  (26.67) |  |  |  |  |  | Group X time p value 0.04 |
| 2 | 63 | 69.07  (28.82) | 15 | 63 | 68.38  (28.97) |  | 30 | 63 | 69.31  (28.40) |  |  |  |  |  | There was a small increase over time in BMI in the intervention group relative to the comparison group |
| **Percent Overweight** | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Prins, 20124 | 1 | 381 | 14.4% | 26 | 293 | 13.6% |  |  |  |  |  |  |  |  |  |  |
| Prins, 20124 | 2 | 321 | Median (SD) =16.1% | 26 | 254 | 16.1% |  |  |  |  |  |  |  |  |  | % overweight = 0.28 (95% CI -0.86-1.42) group 2 to group 3 |
| Prins, 20124 | 3 | 361 | 20.6% | 26 | 281 | 20.6% |  |  |  |  |  |  |  |  |  | % overweight = 0.28 (95% CI -0.86-1.42) group 2 to group 3 |
| **Waist circumference, cm** | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Prins, 20124 | 1 | 381 | 66.2  (7.9) | 26 | 293 | 67.5  (7.8) |  |  |  |  |  |  |  |  |  |  |
| Prins, 20124 | 2 | 321 | Median (SD) =67.1, (7.9) |  | 254 | 68.3  (8.2) |  |  |  |  |  |  |  |  |  | difference in change in WC = -0.38 (95% CI -1.39 - 0.62); p=NR |
| Prins, 20124 | 3 | 361 | 68.6 (8.7) |  | 281 | 70.4  (9.4) |  |  |  |  |  |  |  |  |  | difference in change in WC = -0.16 (95% CI -0.82 - 1.15); p=NR |
| **Percent body fat DXA** | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Schneider 20071 | 1 | 59 | 31.17  (5.35) | 15 | 59 | 30.72  (5.7) |  | 30 | 59 | 30.76  (6.02) |  |  |  |  |  | Group X time p value 0.45 |
| 2 | 63 | 33.06  (6.3) | 15 | 63 | 32.51  (6.4) |  | 30 | 63 | 33.19  (6.55) |  |  |  |  |  | There was no differential change in percent body fat over time in the intervention group relative to the comparison group |
| **Kilograms** | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Schneider 20071 | 1 | 59 | 58.88 (9.8) | 15 | 59 | 59.17  (9.91) |  | 30 | 59 | 59.03  (10.03) |  |  |  |  |  | There was a small increase over time in weight in the intervention group relative to the comparison group |
| 2 | 63 | 62.60(13.4) | 15 | 63 | 63.29  (14.06) |  | 30 | 63 | 59.03  (10.03) |  |  |  |  |  | Group X time p value 0.04 |

CI = Confidence Interval; N = Sample Size; SD = Standard Deviation; SE = Sample Error