**Evidence Table 11d. Intermediate related outcomes for physical activity intervention studies taking place in a school setting with a home component, subgroups**

| **Author, Year** | **Arm** | **Baseline N** | **Baseline measure, mean (SD)** | **Final measure timepoint** | **N at final measure** | **Final follow up measure, mean (SD)** | **Mean Change from baseline (SD)** | **(I-C) Difference of the difference** | **Measure of association** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Total PA (counts/min)** |  |  |  |  |  |  |  |  |  |
| Kriemler, 201013 | 1—control | 205 | 792 | 47 | 205 | 728 |  | 0.21 (adjusted difference at follow-up) | p=0.31 |
|  | 2—intervention | 297 | 770 |  | 297 | 726 |  |  |  |
| **Total PA (counts/min) in school** |  |  |  |  |  |  |  |  |  |
| Kriemler, 201013 | 1—control | 205 | 828 | 47 | 205 | 738 |  | 0.92 (adjusted difference at follow-up) | p=0.003 |
|  | 2—intervention | 297 | 807 |  | 297 | 870 |  |  |  |
| **Total PA (counts/min) out of school** |  |  |  |  |  |  |  |  |  |
| Kriemler, 201013 | 1—control | 205 | 777 | 47 | 205 | 722 |  | -0.14 (adjusted difference at follow-up) | p=0.41 |
|  | 2—intervention | 297 | 755 |  | 297 | 653 |  |  |  |
| **Total MVPA (min/day)** |  |  |  |  |  |  |  |  |  |
| Kriemler, 201013 | 1—control | 205 | 106 |  | 205 | 97 |  | 0.44(adjusted difference at follow-up) | p=0.03 |
|  | 2—intervention | 297 | 106 |  | 297 | 106 |  |  |  |
| **Total MVPA (min/day) in school** |  |  |  |  |  |  |  |  |  |
| Kriemler, 201013 | 1—control | 205 | 37 | 47 | 205 | 32 |  | 1.19 (adjusted difference at follow-up) | p<0.001 |
|  | 2—intervention | 297 | 38 |  | 297 | 45 |  |  |  |
| **Total MVPA (min/day) out of school** |  |  |  |  |  |  |  |  |  |
| Kriemler, 201013 | 1—control | 205 | 69 | 47 | 205 | 66 |  | -0.06 (adjusted difference at follow-up) | p=0.72 |
|  | 2—intervention | 297 | 67 |  | 297 | 61 |  |  |  |
| **Hours per wk of TV** |  |  |  |  |  |  |  |  |  |
| Robinson, 199919 | 1—control | 103 | 15.46 | 26 | 100 | 14.46 |  | -5.53 (adjusted change) | p<.001 |
|  | 2—intervention | 95 | 15.35 |  | 92 | 8.80 |  |  |  |
| **Hours per wk of Videotapes** |  |  |  |  |  |  |  |  |  |
| Robinson, 199919 | 1—control | 103 | 5.52 | 26 | 100 | 5.21 |  | -1.53 (adjusted change) | p=0.11 |
|  | 2—intervention | 95 | 4.74 |  | 92 | 3.46 |  |  |  |
| **Hours per wk of video games** |  |  |  |  |  |  |  |  |  |
| Robinson, 199919 | 1—control | 103 | 3.85 | 26 | 100 | 4.24 |  | -2.54 (adjusted change) | p=0.01 |
|  | 2—intervention | 95 | 2.57 |  | 92 | 1.32 |  |  |  |
| **Other sedentary behaviors (h/day)** |  |  |  |  |  |  |  |  |  |
| Robinson, 199919 | 1—control | 103 | 4.47 | 26 | 100 | 4.05 |  | -0.34 (adjusted change) | p=0.44 |
|  | 2—intervention | 95 | 4.66 |  | 92 | 3.81 |  |  |  |
| **PA, metabolic equivalent-weighted, min/wk** |  |  |  |  |  |  |  |  |  |
| Robinson, 199919 | 1—control | 103 | 310.2 | 26 | 100 | 337.8 |  | -16.7(adjusted change) | p=0.60 |
|  | 2—intervention | 95 | 396.8 |  | 92 | 362.3 |  |  |  |
| **Parent report of child hours per week of TV** |  |  |  |  |  |  |  |  |  |
| Robinson, 199919 | 1—control | 103 | 14.90 | 26 | 75 | 14.75 |  | -4.29 (adjusted change) | p<0.001 |
|  | 2—intervention | 95 | 12.43 |  | 68 | 8.86 |  |  |  |
| **Parent report of child hours per week of videotapes** |  |  |  |  |  |  |  |  |  |
| Robinson, 199919 | 1—control | 103 | 4.41 | 26 | 75 | 3.91 |  | -0.25 (adjusted change) | p<0.60 |
|  | 2—intervention | 95 | 4.96 |  | 68 | 2.57 |  |  |  |
| **Parent report of child hours per week of video games** |  |  |  |  |  |  |  |  |  |
| Robinson, 199919 | 1—control | 103 | 2.71 | 26 | 75 | 2.57 |  | -0.76 (adjusted change) | p<0.13 |
|  | 2—intervention | 95 | 1.84 |  | 68 | 1.44 |  |  |  |
| **Parent report of child hours per week of overall TV use, 0-16 scale** |  |  |  |  |  |  |  |  |  |
| Robinson, 199919 | 1—control | 103 | 8.60 | 26 | 75 | 7.76 |  | -0.77 (adjusted change) | p<0.10 |
|  | 2—intervention | 95 | 7.09 |  | 68 | 6.09 |  |  |  |
| **Parent report of child other sedentary behavior, h/wk** |  |  |  |  |  |  |  |  |  |
| Robinson, 199919 | 1—control | 103 | 39.79 | 26 | 75 | 43.37 |  | -4.88 (adjusted change) | p<0.16 |
|  | 2—intervention | 95 | 44.89 |  | 68 | 41.31 |  |  |  |
| **Parent report of child PA, h/wk** |  |  |  |  |  |  |  |  |  |
| Robinson, 199919 | 1—control | 103 | 9.19 | 26 | 75 | 17.21 |  | -2.00 (adjusted change) | p<0.13 |
|  | 2—intervention | 95 | 11.19 |  | 68 | 16.08 |  |  |  |
| **Supervised leisure PA, h/wk** |  |  |  |  |  |  |  |  |  |
| Simon, 200822 | 1—control | 475 | 2.70 | 208 | NR | 2.55 | -0.15 | 1.1 | p<0.0001 |
|  | 2—intervention | 479 | 2.50 |  | NR | 3.45 | 0.95 |  |  |
| **TV/video time, minutes per day** |  |  |  |  |  |  |  |  |  |
| Simon, 200822 | 1—control | 475 | 103.99 | 208 | NR | 99.43 | -4.56 | -15.71 | p<0.01 |
|  | 2—intervention | 479 | 108.18 |  | NR | 87.91 | -20.27 |  |  |
| **Active commuting between home and school, minutes per day** |  |  |  |  |  |  |  |  |  |
| Simon, 200822 | 1—control | 475 | 17.76 | 208 | NR | 25.06 | 7.8 | 1.04 | p=0.10 |
|  | 2—intervention | 479 | 16.19 |  | NR | 25.03 | 8.84 |  |  |

CI = Confidence Interval; I-C = Difference between intervention and control group; MVPA = Moderate to Vigorous Physical Activity; N = Sample Size; P = p-value; PA= Physical Activity; SD = Standard Deviation; wk = week