**Evidence Table 50c. Intermediate outcomes for combination diet and physical activity intervention studies taking place in a child care setting**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Author, Year** | **Outcome** | **Arm** | **Baseline N** | **Baseline measure, mean (SD)** | **Final measure time point** | **N at final measure** | **Final follow up measure, mean (SD)** | **Mean Change from baseline (SD)** | **Measure of association** | **Notes** |
| Bayer, 20091 | High Fruit consumption in 1st sample | control |  |  | 78 weeks |  | 55.7%  CI (51.0-60.3) |  |  |  |
|  |  | Intervention |  |  | 78 weeks |  | 66.6%  CI (63.3-69.8) |  | Odds ratio; 1.64(1.26-2.12)  P value <0.0001 | Significant difference between intervention and control. |
|  | High Fruit consumption in 2nd sample | control |  |  | 78 weeks |  | 56.3%  CI (51.6-60.9) |  |  |  |
|  |  | Intervention |  |  | 78 weeks |  | 66.7%  CI (63.4-69.9) |  | Odds ratio;  1.59(1.26-2.01)  P Value = 0.0002 | Significant difference between intervention and control. |
|  | High Vegetable consumption in 1st sample | control |  |  | 78 weeks |  | 33.9%  CI (29.6-38.5) |  |  |  |
|  |  | Intervention |  |  | 78 weeks |  | 38.6%  CI (35.3-42.0) |  | Odds ratio;1.26 (0.98-1.61)  P value= 0.0960 | No Significant difference between intervention and control. |
|  | High Vegetable consumption in 2nd sample | control |  |  | 78 weeks |  | 33.6%  CI (29.2-38.1) |  |  |  |
|  |  | Intervention |  |  | 78 weeks |  | 42.7%  CI (39.4-46.1) |  | Odds ratio; 1.48 (1.08-2.03)  P value= 0.0013 | Significant difference between intervention and control. |
| Fitzgibbon, 20062 | Nutritional intake; healthy eating habit | control | 199 |  | 104 weeks |  |  |  | -0.25 (-2.32 to 1.83) | No Significant difference between intervention and control |
|  |  | Intervention | 202 |  |  |  |  |  |  |  |
| Metcalf, 20124  Burgi, 20125 | Nutritional intake; healthy eating habit | control | 310 |  | 52 weeks |  |  |  | 1.9 (1.02 to 3.6) | Significant difference between intervention and control. P=0.04 |
|  |  | Intervention | 342 |  |  |  |  |  |  |  |
| Fitzgibbon, 20062 | Physical activity minutes per day | control | 199 |  | 104 weeks |  |  |  | 10.8 (-2.56 to 24.12) | No Significant difference between intervention and control |
|  |  | Intervention | 202 |  |  |  |  |  |  |  |
| Metcalf, 20124  Burgi, 20125 | Physical activity minutes per day | control | 310 |  | 52 weeks |  |  |  | -12.3 (-51.5 to 26.9) | No Significant difference between intervention and control P=0.54 |
|  |  | Intervention | 342 |  |  |  |  |  |  |  |
| Metcalf, 20124  Burgi, 20125 | Sedentary activity; Media use minutes per day | control | 310 |  | 52 weeks |  |  |  | -13.4(-25.0 to -1.7) | Significant difference between intervention and control. P=0.03 |
|  |  | Intervention | 342 |  |  |  |  |  |  |  |