**Table 21a. BMI outcomes in studies on cardiovascular disease and/or type 2 diabetes mellitus**

| **Author, year** | **Arm** | **Outcome defined** | **Baseline N** | **Baseline BMI, mean** | **N at 12 months** | **BMI, 12 months, mean** | **Change from BL** | **Between-group Difference at 12 Months** | **Measure of association** | **Test for Trend** | **Variables adjusted for** | **Comment** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Self-management intervention |  |  |  |  |  |  |  |  |  |  |  |  |
| Clark, 20041 | 1 | kg/m2 | 50 | Mean: 31.3,  SD: 5.01 | 50 | Mean:  32.72,  SD: 4.77 | Mean: 1.42 |  |  |  |  | P=0.000 for change from baseline |
|  | 2 |  | 50 | Mean: 32.4,  SD: 4.49 | 50 | Mean: 32.06,  SD: 4.03 | Mean:  -0.34 | Mean: -1.76  95%CI: -0.2 to 3.7, P=0.075 (reference=control) |  |  |  | P=0.088 for change from baseline |
| Plotnikoff, 20112 | 1 | Kg/m2 | 49 | 34.8 (9) | 49 |  | -1.2 |  |  |  |  |  |
|  | 2 |  | 47 | 34.3 (5.7) | 47 |  | -0.8 |  |  |  |  |  |
| Diet intervention |  |  |  |  |  |  |  |  |  |  |  |  |
| Zazpe, 20083 | 1 | Kg/m2 | 485 | Mean: 29.5  SEM: 3.6 | 485 |  | % with decreased BMI=41.2 |  | P=0.484 for chi squared test |  |  |  |
|  | 2 |  | 533 | Mean: 29.3  SEM: 3.5 | 533 |  | % with decreased BMI=37.7 |  |  |  |  |  |
|  | 3 |  | 533 | Mean: 29.4  SEM: 3.4 | 533 |  | % with decreased BMI=40.9 |  |  |  |  |  |
| Physical activity intervention |  |  |  |  |  |  |  |  |  |  |  |  |
| Torjesen, 19974 | 1 | kg/m2 | 43 | Mean: 28.3  SD : 3.1 | N : 43 |  | Mean change: 0.4, SD: 0.1 |  |  |  |  |  |
|  | 2 |  | 49 | Mean: 28.6  SD : 3.1 | N : 49 |  | Mean change: -0.3, SD: 0.2 |  | Mean difference: -0.7  95%CI: -0.8 to -0.6, P<0.001 (reference= Arm 1) |  |  |  |
| Yates, 20105 | 1 | kg/m2 | Mean: 29.7, SD: 4.5 | N : 26 |  |  | Mean change (95%CI): -0.3, (-0.8 to 0.2) |  |  |  | Baseline BMI | LLCI for Arm 3 should probably be -0.6 rather than +0.6 (? typographical error) |
|  | 2 |  | Mean: 28.7, SD: 5 | N : 24 |  |  | Mean change (95% CI): 0.1 (-0.5 to 0.7) |  | Arm 1: N=26  Arm 2: N = 24  Adjusted mean between-group difference from baseline  0. 5 (95% CI: -0.3 to 1.2)  P=0.212 (reference=control)  Arm 2 vs Arm 3  Mean between group difference from baseline  0.3 |  |  |  |
|  | 3 |  | Mean: 29.3, SD : 5.1 | N : 24 |  |  | Mean change (95% CI) : -0.1 (-0.6 to 0.4) |  | Arm 1: N=26  Arm 3: N=24  Adjusted mean between-group difference from baseline: 0.2 (-0.5 to 0.9)  P= 0.575 (reference=control) |  |  |  |
| **Combination interventions** |  |  |  |  |  |  |  |  |  |  |  |  |
| Gram, 20106 | 1 | kg/m2 | 22 | Mean : 32.8  SD : 4.0 | n : 20 | Mean : 32.6,  SE: 0.9 |  |  |  |  |  |  |
|  | 2 |  | 24 | Mean : 32.4  SD : 4.1 | n : 24 | Mean : 31.8, SE: 0.9 |  | Mean difference  -0.71 (95% CI: -1.42 to 0.00)  Se: 0.4  P=0.049 |  |  |  |  |
|  | 3 |  | 22 | Mean : 31.4  SD : 4.3 | n : 21 | Mean : 30.9, SE: 0.9 |  | Mean difference: -0.49 (95% CI: -1.23 to 0.25)  Se: 0.4 |  |  |  |  |
| Samaras, 977 | 1 | 12 months minus baseline | 13 | Mean : 35.7  SE: 1.6 |  | Mean : 0.29  SE: 0.45 |  |  |  | No significant difference by arm with ANOVA or Mann Whitney test |  | Please note: at 12 months measurements were "Changes in Anthropometric & Metabolic Parameters" from baseline measures |
|  | 2 |  | 13 | Mean : 32.3  SE: 1.1 |  | Mean : -0.1  SE: 0.05 |  |  |  |  |  |  |
| Babazono, 20078 | 1 | kg/m2 | 41 | Mean : 24  SD : 2.5 | N : 41  Check if this is the last timepoint reported | Mean : 23.9  SD : 2.4 | -0.1 |  |  | No statistically significant differences in BMI between groups at baseline or after 1 yr of follow up |  |  |
|  | 2 |  | 46 | Mean : 23.6  SD : 3.2 | N : 46  Check if this is the last reported timepoint | Mean : 23.1  SD : 3.2 | -0.5 |  | Mean between-group change from baseline: -0.4 |  |  |  |

ANOVA = Analysis fo Variance test; BMI = Body Mass Index; CI = Confidence Interval; Kg/m^2 = kilogram per meter squared; LLCI = Lower Level Confidence Interval; N = Sample Size; SD = Standard Deviation; SE = Standard Error; SEM = Standard Error of the Mean; Yr = Year;

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