Supplementary table 2. Mean absolute and relative differences between parents-reported and measured anthropometric data in 4 years old children, by sex and weight status. Community of Madrid, 2012.

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  |  |  | **Height (cm)** | **Weight (kg)** | **BMI (kg/m2)** |
|  |  |  | **Absolute differences** (reported minus measured) | **Relative differences** (reported minus measured) | **Absolute differences** (reported minus measured) | **Relative differences** (reported minus measured) | **Absolute differences** (reported minus measured) | **Relative differences** (reported minus measured) |
|   |   | **N** | **Mean** | **CI 95%** | **%** | **CI 95%** | **Mean** | **CI 95%** | **%** | **CI 95%** | **Mean** | **CI 95%** | **%** | **CI 95%** |
| **TOTAL** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| WHO weight cathegories |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Obesity | 176 | **-1.92** | **(-2.97 to -0.88)** | **-1.82** | **(-2.81 to -0.84)** | -0.32 | (-0.66 to 0.03) | -1.43 | (-2.98 to 0.12) | **0.75** | **(0.17 to 1.32)** | **3.77** | **(0.89 to 6.64)** |
|  | Overweight | 505 | **-1.28** | **(-1.95 to -0.62)** | **-1.23** | **(-1.87 to -0.59)** | **-0.41** | **(-0.55 to -0.26)** | **-2.16** | **(-2.93 to -1.38)** | **0.33** | **(0.04 to 0.62)** | **1.92** | **(0.25 to 3.60)** |
|  | Normal weight | 2206 | **-1.36** | **(-1.64 to -1.07)** | **-1.31** | **(-1.59 to -1.04)** | **-0.21** | **(-0.29 to -0.13)** | **-1.29** | **(-1.77 to -0.81)** | **0.39** | **(0.27 to 0.52)** | **2.58** | **(1.77 to 3.38)** |
|  | Low weight | 27 | -1.60 | (-3.79 to 0.60) | -1.53 | (-3.53 to 0.47) | 0.05 | (-0.48 to 0.58) | 0.38 | (-3.38 to 4.13) | 0.55 | (-0.25 to 1.34) | 4.41 | (-1.74 to 10.56) |
| IOTF weight cathegories |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Obesity | 97 | **-1.87** | **(-3.34 to -0.40)** | **-1.77** | **(-3.14 to -0.40)** | -0.37 | (-0.86 to 0.11) | -1.60 | (-3.66 to 0.46) | 0.78 | (-0.07 to 1.63) | 3.73 | (-0.29 to 7.76) |
|  | Overweight | 272 | **-1.36** | **(-2.29 to -0.40)** | **-1.30** | **(-2.18 to -0.42)** | **-0.47** | **(-0.69 to -0.26)** | **-2.38** | **(-3.46 to -1.29)** | 0.34 | (-0.07 to 0.74) | 1.87 | (-0.37 to 4.12) |
|  | Normal weight | 2449 | **-1.31** | **(-1.58 to -1.04)** | **-1.27** | **(-1.53 to -1.01)** | **-0.22** | **(-0.29 to -0.14)** | **-1.31** | **(-1.75 to -0.86)** | **0.39** | **(0.27 to 0.50)** | **2.48** | **(1.73 to 3.23)** |
|  | Low weight | 96 | **-2.65** | **(-4.32 to -0.98)** | **-2.58** | **(-4.19 to -0.97)** | **-0.28** | **(-0.52 to -0.03)** | **-2.03** | **(-3.81 to -0.25)** | 0.74 | (0.06 to 1.41) | **5.68** | **(0.51 to 10.85)** |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **BOYS** |  |  |  |  |  |  |  |  |  |  |  |  |  |
| WHO weight cathegories |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Obesity | 93 | **-1.81** | **(-3.36 to -0.26)** | **-1.72** | **(-3.17 to -0.27)** | -0.22 | (-0.75 to 0.31) | -1.00 | (-3.38 to 1.37) | 0.82 | (-0.03 to 1.67) | 4.16 | (-0.08 to 8.40) |
|  | Overweight | 263 | **-1.46** | **(-2.35 to -0.56)** | **-1.39** | **(-2.24 to -0.54)** | **-0.28** | **(-0.49 to -1.07)** | **-1.50** | **(-2.60 to -0.40)** | **0.47** | **(0.09 to 0.85)** | **2.74** | **(0.56 to 4.91)** |
|  | Normal weight | 1119 | **-1.55** | **(-1.93 to -1.17)** | **-1.50** | **(-1.86 to -1.13)** | **-0.22** | **(-0.33 to -0.11)** | **-1.34** | **(-2.00 to -0.68)** | **0.43** | **(0.27 to 0.60)** | **2.82** | **(1.74 to 3.89)** |
|  | Low weight | 11 | **-2.67** | **(-6.35 to-1.02)** | -2.54 | (-5.60 to 0.53) | -0.10 | (-0.85 to 0.64) | -0.73 | (-5.41 to 3.94) | 0.70 | (-0.88 to 2.28) | 5.50 | (-5.47 to 16.48) |
| IOTF weight cathegories |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Obesity | 40 | -2.43 | (-4.96 to 0.10) | -2.30 | (-4.61 to 0.01) | -0.19 | (-1.17 to 0.79) | -0.80 | (-4.80 to 3.21) | 1.23 | (-0.29 to 2.75) | 5.83 | (-1.16 to 12.82) |
|  | Overweight | 117 | -1.36 | (-2.74 to 0.01) | -1.29 | (-2.58 to 0.00) | **-0.43** | **(-0.78 to -0.08)** | **-2.15** | **(-3.86 to -0.43)** | 0.32 | (-0.27 to 0.91) | 1.78 | (-1.45 to 5.00) |
|  | Normal weight | 1288 | **-1.58** | **(-1.94 to -1.21)** | **-1.52** | **(-1.87 to -1.17)** | **-0.22** | **(-0.32 to -0.12)** | **-1.28** | **(-1.88 to -0.68)** | **0.46** | **(0.31 to 0.62)** | **2.98** | **(1.96 to 3.99)** |
|  | Low weight | 41 | -0.66 | (-2.31 to 0.99) | -0.64 | (-2.20 to 0.91) | -0.12 | (-0.38 to 0.13) | -0.90 | (-2.66 to 0.86) | 0.11 | (-0.37 to 0.59) | 0.82 | (-2.75 to 4.39) |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **GIRLS**  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| WHO weight cathegories |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Obesity | 83 | **-2.05** | **(-3.45 to -0.64)** | **-1.95** | **(-3.26 to -0.63)** | -0.42 | (-0.86 to 0.02) | -1.90 | (-3.84 to 0.04) | 0.67 | (-0.12 to 1.45) | 3.33 | (-0.52 to 7.19) |
|  | Overweight | 242 | **-1.10** | **(-2.10 to -0.10)** | **-1.06** | **(-2.01 to -0.10)** | **-0.54** | **(-0.75 to -0.34)** | **-2.87** | **(-3.96 to -1.79)** | 0.18 | (-0.27 to 0.63) | 1.05 | (-1.51 to 3.61) |
|  | Normal weight | 1087 | **-1.15** | **(-1.57 to -0.74)** | **-1.12** | **(-1.53 to -0.72)** | **-0.20** | **(-0.31 to -0.09)** | **-1.25** | **(-1.95 to -0.54)** | **0.35** | **(0.17 to 0.54)** | **2.33** | **(1.13 to 3.53)** |
|  | Low weight | 16 | -0.86 | (-3.87 to 2.15) | -0.83 | (-3.50 to 1.84) | 0.16 | (-0.64 to 0.95) | 1.21 | (-4.48 to 6.90) | 0.44 | (-0.52 to 1.40) | 3.62 | (-3.73 to 10.97) |
| IOTF weight cathegories |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Obesity | 57 | -1.48 | (-3.29 to 0.34) | -1.40 | (-3.08 to 0.28) | **-0.50** | **(-0.99 to -0.01)** | **-2.18** | **(-4.27 to -0.08)** | 0.46 | (-0.55 to 1.47) | 2.23 | (-2.55 to 7.01) |
|  | Overweight | 155 | **-1.36** | **(-2.62 to -0.10)** | **-1.30** | **(-2.50 to -0.11)** | **-0.50** | **(-0.78 to -0.23)** | **-2.56** | **(-3.95 to -1.16)** | 0.35 | (-0.21 to 0.91) | 1.94 | (-1.17 to 5.06) |
|  | Normal weight | 1161 | **-1.02** | **(-1.41 to -0.63)** | **-0.99** | **(-1.37 to -0.61)** | **-0.22** | **(-0.33 to -0.11)** | **-1.33** | **(-2.00 to -0.67)** | **0.30** | **(0.12 to 0.47)** | **1.93** | **(0.80 to 3.05)** |
|   | Low weight | 55 | **-4.12** | **(-6.75 to -1.50)** | **-4.02** | **(-6.53 to -1.52)** | -0.39 | (-0.78 to 0.00) | **-2.90** | **(-5.73 to -0.08)** | **1.20** | **(0.08 to 2.33)** | **9.40** | **(0.79 to 18.01)** |
| IC95%: confidence interval 95%. WHO: World Health Organization. IOTF: International Obesity Task Force. In bold, statistically significant differences. BMI: Body Mass Index |  |  |