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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Tanner**  **stages** | **Pre-pubertal** | | | **Early pubertal** | | | **Mid-pubertal** | | | **Late pubertal** | | |
| **Boys**  **(n = 147)** | **Girls**  **(n = 116)** | **p-value** | **Boys**  **(n = 46)** | **Girls**  **(n = 51)** | **p-value** | **Boys**  **(n = 54)** | **Girls**  **(n = 70)** | **p-value** | **Boys**  **(n = 38)** | **Girls**  **(n = 52)** | **p-value** |
| Mean age (years)  (SD), n= 574 | 9 (2.3) | 8.2 (1.5) | 0.001\* | 12.2 (1.3) | 12 (1) | 0.071 | 13.53 (1.5) | 13.3 (1.4) | 0.344 | 14.4 (0.9) | 14.4 (0.8) | 0.850 |
| Mean weight (kg)  (SD), n = 574 | 28.6 (7.2) | 26.6 (6) | 0.012\* | 37.3 (8) | 42 (10) | 0.013\* | 46.1 (9.2) | 48.2 (8) | 0.170 | 54 (12) | 60.1 (13) | 0.022\* |
| Mean height (cm)  (SD), n = 574 | 133 (11.3) | 130 (8.1) | 0.023\* | 147 (8.4) | 149.4 (8) | 0.135 | 158.2 (10.3) | 157 (7) | 0.337 | 166 (8.2) | 160 (6.) | 0.000\* |
| Mean BMI (kg/m2)  (SD), n = 574 | 16 (2) | 16 (2.3) | 0.172 | 17.1 (2.3) | 18.4 (3.4) | 0.031\* | 18.2 (2.1) | 20 (3) | 0.002\* | 20 (3) | 23.5 (5) | 0.000\* |
| Mean WC (cm)  (SD), n = 574 | 57.1 (5.5) | 53 (5) | 0.000\* | 61 (6) | 61.3 (7.2) | 0.783 | 65 (6) | 64 (7.1) | 0.476 | 68 (7) | 71 (10) | 0.158 |
| Mean HC (cm)  (SD), n = 574 | 65.8 (0.6) | 65.3 (0.7) | 0.526 | 73 (0.6) | 80 (1) | 0.000\* | 78 (1.2) | 84 (1.2) | 0.004\* | 81 (1.4) | 93.4 (1.1) | 0.000\* |
| Mean HDL cholesterol  (mmo/l), (SD), n = 371 | 1.2 (0.3) | 1.2 (0.4) | 0.250 | 1.3 (0.3) | 1.2 (0.3) | 0.888 | 1.2 (0.3) | 1.2 (0.3) | 0.600 | 1.2 (0.2) | 1.2 (0.3) | 0.638 |
| Mean LDL cholesterol  (mmo/l), (SD), n = 367 | 1.9 (0.6) | 1.9 (0.6) | 0.905 | 1.8 (0.6) | 2 (0.7) | 0.244 | 1.7 (0.5) | 2 (0.6) | 0.030\* | 1.8 (0.5) | 1.8 (0.6) | 0.763 |
| Mean TC (mmo/l)  (SD), n = 388 | 4 (0.7) | 4.1 (0.8) | 0.800 | 3.8 (0.7) | 4.2 (0.7) | 0.050\* | 3.7 (0.7) | 4 (0.7) | 0.045\* | 3.7 (0.5) | 3.9 (0.7) | 0.140 |
| Mean TGs (mmo/l)  (SD), n = 388 | 0.8 (0.3) | 0.8 (0.3) | 0.773 | 0.8 (0.2) | 1 (0.6) | 0.180 | 0.8 (0.3) | 0.8 (0.3) | 0.900 | 0.7 0.20 | 0.8 (0.3) | 0.180 |
| Mean glucose (mmo/l)  (SD), n = 357 | 4.7 (0.7) | 4.6 (1) | 0.270 | 5 (0.5) | 4.5 (1.3) | 0.200 | 5 (0.8) | 4.7 (0.6) | 0.350 | 5 (0.8) | 5 (0.5) | 0.423 |
| Mean SBP (mmHG)  (SD), n = 523 | 96.6 (12.9) | 99.3 (14) | 0.141 | 101 (13.2) | 125 (13.8) | 0.240 | 106 (11) | 111 (12.2) | 0.021\* | 113.3 (14.6) | 112.2 (10.3) | 0.700 |
| Mean DBP (mmHG)  (SD), n = 523 | 59 (11) | 59 (12) | 1.000 | 60 (9.5) | 61.2 (12) | 0.500 | 62.3 (7.3) | 62 (8.1) | 0.850 | 64 (8.1) | 67 (7) | 0.057 |
| Sum of skin folds (mm)  (Median IQR), n = 503 | 5.3 (4.6-6) | 5.9 (5-7) | 0.000\* | 5.8 (5.3-6.3) | 5.9 (4.4-6.8) | 0.942 | 5 (4.6-6.8) | 7 (5.3-9) | 0.002\* | 5.6 (5.1-6.9) | 9.3 (7.4-10) | 0.000\* |

\*: statistically significant

BMI: body mass index, DBP: diastolic blood pressure, HC: hip circumference, HLD: high-density lipoprotein, IQR: interquartile range, LDL: low-density lipoprotein,

SBP: systolic blood pressure, SD: standard deviation, TGs: triglycerides, TC: total cholesterol, WC: waist circumference