**Supplemental Table 1. Characteristics of children living with HIV and controls in Johannesburg, South Africa, by sex**

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| --- | --- | --- |
|  | **Boys** | **Girls** |
| **Characteristics1**  | **CLWH****(N=86)** | **Controls****(N=61)** | **P** | **CLWH****(N=86)** | **Controls****(N=37)** | **P** |
| Age (years), Mean (SD) | 10.2 (1.5) | 10.8 (1.8) | 0.03 | 10.2 (1.4) | 10.8 (1.7) | 0.03 |
| Weight (kg), Mean (SD) | 28.3 (6.9) | 33.8 (9.7) | <0.0001 | 28.9 (6.6) | 36.0 (13.2) | 0.0001 |
| Height (cm), Mean (SD) | 131.3 (9.0) | 139.1 (10.2) | <0.0001 | 131.3 (8.7) | 140.9 (11.3) | <0.0001 |
| HAZ, Mean (SD) | -1.16 (0.9) | -0.48 (1.0) | <0.0001 | -1.14 (1.0) | -0.31 (1.0) | <0.0001 |
| BAZ, Mean (SD) | -0.42 (1.0) | -0.05 (1.1) | 0.035 | -0.21 (1.0) | -0.16 (1.4) | 0.82 |
| Tanner Stage, N (%) 1 2 3 4 | 62 (72.1)19 (22.1)2 (2.3)3 (3.5) | 38 (62.3)16 (26.2)5 (8.2)2 (3.3) | 0.35 | 49 (57.0)26 (30.2)8 (9.3)3 (3.5) | 16 (43.2)11 (29.7)6 (16.2)4 (10.8) | 0.21 |
| ART regimen, N (%) LPV/r-based EFV-based Other | 26 (30.2)60 (69.8)0 (0.0) |  |  | 23 (26.7)62 (72.1)1 (1.2) |  |  |
| Plasma HIV RNA <400 (copies/mL), N (%) | 80 (95.2) |  |  | 75 (91.5) |  |  |
| CD4 percentage (%), Mean (SD) | 36.4 (6.7) |  |  | 38.2 (7.9) |  |  |
| CD4 count (cells/mm3), Mean (SD) | 985 (294) |  |  | 990 (341) |  |  |
| Age at ART start (months), Mean (SD) | 8.5 (6.5) |  |  | 8.6 (6.8) |  |  |
| Age at ART start (months), N (%) <6 6-12 >12 | 40 (46.5)25 (29.1)21 (24.4) |  |  | 47 (54.7)17 (19.8)22 (25.6) |  |  |

Abbreviations: HAZ – height-for-age Z-score; BAZ – BMI-for-age Z-score; ART – antiretroviral therapy

1Characteristics at the time of pQCT scan, unless specified