**SUPPLEMENTARY TABLE S2.** Linear mixed models (LMM) of daytime physical activity ratios (PAR) using measures of body size that are different from body mass index (BMI) (cf. Table 3). Other body size measures include fat-free mass (kg), body fat (%) and weight (kg).

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Fat-free Model 1 | Fat-free Model 2 | Fat Model 1 | Fat Model 2 |
| **Factors** | **Estimate** | **±SE** | **t-value** | **Estimate** | **±SE** | **t-value** | **Estimate** | **±SE** | **t-value** | **Estimate** | **±SE** | **t-value** |
| (Intercept) | 2.11 | 0.30 | 7.04\*\*\* | 2.16 | 0.31 | 6.91\*\*\* | 2.47 | 0.23 | 10.72\*\*\* | 2.65 | 0.23 | 11.45\*\*\* |
| Age | -0.01 | 0.01 | -1.21 | 0.00 | 0.01 | -0.47 | -0.01 | 0.01 | -0.90 | -0.01 | 0.01 | -0.98 |
| Age2 | 0.00 | 0.00 | 0.74 | 0.00 | 0.00 | 0.47 | 0.00 | 0.00 | 0.42 | 0.00 | 0.00 | 0.60 |
| Sex | 0.37 | 0.08 | 4.53\*\*\* | 0.42 | 0.16 | 2.56\* | 0.41 | 0.07 | 5.68\*\*\* | 0.20 | 0.09 | 2.20\* |
| Forest | 0.06 | 0.07 | 0.88 | -0.51 | 0.10 | -5.02\*\*\* | 0.06 | 0.07 | 0.77 | -0.50 | 0.10 | -4.90\*\*\* |
| Riverine | -0.09 | 0.07 | -1.45 | -0.39 | 0.09 | -4.18\*\*\* | -0.11 | 0.06 | -1.74° | -0.41 | 0.09 | -4.37\*\*\* |
| Dry Season | 0.13 | 0.02 | 6.88\*\*\* | 0.04 | 0.06 | 0.61 | 0.13 | 0.02 | 6.91\*\*\* | 0.04 | 0.06 | 0.66 |
| Wet Season | -0.24 | 0.02 | -10.37\*\*\* | -0.19 | 0.11 | -1.77° | -0.24 | 0.02 | -10.37\*\*\* | -0.18 | 0.11 | -1.73° |
| Education | -0.01 | 0.01 | -0.92 | -0.01 | 0.01 | -0.69 | -0.01 | 0.01 | -0.81 | -0.01 | 0.01 | -0.54 |
| Spanish | 0.09 | 0.07 | 1.36 | 0.05 | 0.07 | 0.79 | 0.11 | 0.07 | 1.63 | 0.08 | 0.07 | 1.19 |
| **Fat-free mass** | **0.01** | **0.01** | **1.38** | **0.01** | **0.01** | **1.30** |  |  |  |  |  |  |
| **% Body Fat** |  |  |  |  |  |  | **0.00** | **0.01** | **-0.78** | **0.00** | **0.01** | **-0.36** |
| Age\*Sex |  |  |  | -0.01 | 0.00 | -1.99\* |  |  |  |  |  |  |
| Age\*Dry Season |  |  |  | -0.01 | 0.00 | -4.56\*\*\* |  |  |  | -0.01 | 0.00 | -4.57\*\*\* |
| Age\*Wet Season |  |  |  | 0.01 | 0.00 | 3.25\*\* |  |  |  | 0.01 | 0.00 | 3.21\*\* |
| Sex\*Forest |  |  |  | 0.52 | 0.12 | 4.18\*\*\* |  |  |  | 0.51 | 0.12 | 4.06\*\*\* |
| Sex\*Riverine |  |  |  | 0.26 | 0.12 | 2.15\* |  |  |  | 0.26 | 0.12 | 2.16\* |
| Sex\*Dry Season |  |  |  | 0.26 | 0.04 | 6.93\*\*\* |  |  |  | 0.26 | 0.04 | 6.86\*\*\* |
| Sex\*Wet Season |  |  |  | -0.35 | 0.05 | -7.46\*\*\* |  |  |  | -0.35 | 0.05 | -7.54\*\*\* |
| Forest\*Dry Season |  |  |  | 0.52 | 0.05 | 11.25\*\*\* |  |  |  | 0.52 | 0.05 | 11.23\*\*\* |
| Riverine\*Dry Season |  |  |  | 0.00 | 0.05 | 0.02 |  |  |  | 0.00 | 0.05 | 0.01 |
| Forest\*Wet Season |  |  |  | -0.03 | 0.09 | -0.36 |  |  |  | -0.03 | 0.09 | -0.36 |
| Riverine\*Wet Season |  |  |  | 0.25 | 0.09 | 2.77\*\* |  |  |  | 0.25 | 0.09 | 2.77\*\* |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Weight Model 1 | Weight Model 2 | Weight+Fat Model 1 | Weight+Fat Model 2 |
| **Factors** | **Estimate** | **±SE** | **t-value** | **Estimate** | **±SE** | **t-value** | **Estimate** | **±SE** | **t-value** | **Estimate** | **±SE** | **t-value** |
| (Intercept) | 2.31 | 0.27 | 8.66\*\*\* | 2.30 | 0.28 | 8.08\*\*\* | 2.29 | 0.27 | 8.57\*\*\* | 2.29 | 0.28 | 8.05\*\*\* |
| Age | -0.01 | 0.01 | -1.18 | -0.01 | 0.01 | -0.48 | -0.01 | 0.01 | -0.98 | 0.00 | 0.01 | -0.40 |
| Age2 | 0.00 | 0.00 | 0.70 | 0.00 | 0.00 | 0.48 | 0.00 | 0.00 | 0.52 | 0.00 | 0.00 | 0.39 |
| Sex | 0.43 | 0.06 | 6.77\*\*\* | 0.47 | 0.16 | 2.98\*\* | 0.33 | 0.09 | 3.58\*\*\* | 0.41 | 0.17 | 2.36\* |
| Forest | 0.06 | 0.07 | 0.85 | -0.52 | 0.10 | -5.06\*\*\* | 0.06 | 0.07 | 0.83 | -0.52 | 0.10 | -5.03\*\*\* |
| Riverine | -0.10 | 0.07 | -1.56 | -0.39 | 0.09 | -4.18\*\*\* | -0.10 | 0.07 | -1.52 | -0.39 | 0.09 | -4.19\*\*\* |
| Dry Season | 0.13 | 0.02 | 6.89\*\*\* | 0.04 | 0.06 | 0.62 | 0.13 | 0.02 | 6.89\*\*\* | 0.04 | 0.06 | 0.60 |
| Wet Season | -0.24 | 0.02 | -10.37\*\*\* | -0.19 | 0.11 | -1.78 | -0.24 | 0.02 | -10.37\*\*\* | -0.19 | 0.11 | -1.77° |
| Education | -0.01 | 0.01 | -0.86 | -0.01 | 0.01 | -0.66 | -0.01 | 0.01 | -0.89 | -0.01 | 0.01 | -0.68 |
| Spanish | 0.10 | 0.07 | 1.53 | 0.06 | 0.07 | 0.92 | 0.09 | 0.07 | 1.36 | 0.05 | 0.07 | 0.81 |
| **% Body Fat** |  |  |  |  |  |  | **-0.01** | **0.01** | **-1.42** | **-0.01** | **0.01** | **-0.85** |
| **Weight** | **0.00** | **0.00** | **0.60** | **0.00** | **0.00** | **0.83** | **0.01** | **0.00** | **1.33** | **0.01** | **0.00** | **1.17** |
| Age\*Sex |  |  |  | -0.01 | 0.00 | -1.99\* |  |  |  | -0.01 | 0.00 | -1.95° |
| Age\*Dry Season |  |  |  | -0.01 | 0.00 | -4.56\*\*\* |  |  |  | -0.01 | 0.00 | -4.55\*\*\* |
| Age\*Wet Season |  |  |  | 0.01 | 0.00 | 3.25\*\* |  |  |  | 0.01 | 0.00 | 3.25\*\* |
| Sex\*Forest |  |  |  | 0.53 | 0.12 | 4.23\*\*\* |  |  |  | 0.52 | 0.12 | 4.17\*\*\* |
| Sex\*Riverine |  |  |  | 0.26 | 0.12 | 2.12\* |  |  |  | 0.26 | 0.12 | 2.15\* |
| Sex\*Dry Season |  |  |  | 0.26 | 0.04 | 6.92\*\*\* |  |  |  | 0.26 | 0.04 | 6.93\*\*\* |
| Sex\*Wet Season |  |  |  | -0.35 | 0.05 | -7.46\*\*\* |  |  |  | -0.35 | 0.05 | -7.46\*\*\* |
| Forest\*Dry Season |  |  |  | 0.52 | 0.05 | 11.25\*\*\* |  |  |  | 0.52 | 0.05 | 11.25\*\*\* |
| Riverine\*Dry Season |  |  |  | 0.00 | 0.05 | 0.01 |  |  |  | 0.00 | 0.05 | 0.02 |
| Forest\*Wet Season |  |  |  | -0.03 | 0.09 | -0.36 |  |  |  | -0.03 | 0.09 | -0.36 |
| Riverine\*Wet Season |  |  |  | 0.25 | 0.09 | 2.78\*\* |  |  |  | 0.25 | 0.09 | 2.77\*\* |

° *p*<0.1, \* *p*<0.05, \*\* *p*<0.01, \*\*\* *p*<0.001