**Table.** Correlates of differences (Δ) in IPAQ-LF estimates of moderate intensity physical activity plus walking, vigorous intensity physical activity, sitting time and corresponding accelerometry-based estimates of physical activity and sedentary time

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Pairs of PA variables: [IPAQ-LF] – [Accelerometry-based]a**  **mean Δ min/week (95% CI)** | | | | | | | | |
|  | **[MPA + walking] – [MPA – bouts]b** | | **[MPA + walking] – [MPA – total]c** | | **[MPA + walking] – [LMPA – bouts]** | | **[MPA + walking] – [LMPA – total]** | | |
|  | 999 (879, 1,120)d | | 826 (789, 944)d | | -42 (-254, 169) | | -1,307 (-1,509, -1,106)d | | |
| **Correlate** | **b** | **95% CI** | **b** | **95% CI** | **b** | **95% CI** | **b** | **95% CI** | |
| Intercept | 732d | 670, 795 | 439d | 389, 489 | -604d | -676, -532 | -1,802d | -1,870, 1,734 | |
| City (ref. Ghent - Belgium) |  | |  | |  | |  | | |
| Olomouc – Czech Republic | 382d | 274, 489 | 394d | 288, 500 | 671d | 528, 814 | 603d | | 464, 743 |
| Hradec Kralove – Czech Republic | 336d | 196, 477 | 382d | 242, 521 | 672d | 488, 857 | 609d | | 427, 790 |
| Aarhus – Denmark | 509d | 410, 607 | 546d | 447, 644 | 1,056d | 918, 1,194 | 1,043d | | 908, 1,177 |
| Pamplona – Spain | 374d | 284, 465 | 358d | 267, 448 | 796d | 664, 928 | 671d | | 544, 718 |
| Stoke-on-Trent (UK) | 200e | 56, 304 | 257d | 115, 399 | 443d | 259, 627 | 359d | | 178, 539 |
| Seattle (USA) | 192d | 128, 256 | 185d | 121, 248 | 391d | 281, 501 | 313d | | 211, 416 |
| Baltimore (USA) | 190d | 121, 259 | 189d | 121, 257 | 414d | 301, 528 | 377d | | 271, 483 |
| Age (years) | 5d | 4, 7 | 7d | 5, 9 |  | | 4d | | 1, 6 |
| Weight status (ref. Normal) |  | |  | |  | |  | | |
| Overweight | -23 | -72, 26 |  | |  | |  | | |
| Obese | -98e | -166, -33 |  | |  | |  | | |
| Education (ref. no tertiary degree) |  | |  | |  | |  | | |
| Tertiary degree | -139d | -185, -93 |  | |  | |  | | |
| Sex (ref. Male) |  | |  | |  | |  | | |
| Female | 152d | 108, 195 | 186d | 143, 229 |  | |  | | |
| % total PA time spent on leisure | -4d | -5, -4 | -5d | -6, -4 | -2d | -3, -1 | -2d | | -3, -1 |
| % total PA time spent on bicycling for transport |  | |  | | -3f | -5, -1 |  | | |
| % total PA time spent on occupation | 10d | 9, 11 | 10d | 9, 11 | 6d | 5, 7 | 5d | | 4, 6 |
|  | **Pairs of PA variables: [IPAQ-LF] – [Accelerometry-based]a**  **mean Δ min/week (95% CI)** | | | | | | | | |
|  | **[MPA + walking] – [MPA – bouts]b** | | **[MPA + walking] – [MPA – total]c** | | **[MPA + walking] – [LMPA – bouts]** | | **[MPA + walking] – [LMPA – total]** | | |
|  | 999 (879, 1,120)d | | 826 (789, 944)d | | -42 (-254, 169) | | -1,307 (-1,509, -1,106)d | | |
| **Correlate** | **b** | **95% CI** | **b** | **95% CI** | **b** | **95% CI** | **b** | **95% CI** | |
| Intercept | 732d | 670, 795 | 439d | 389, 489 | -604d | -676, -532 | -1,802d | -1,870, 1,734 | |
| City (ref. Ghent - Belgium) |  | |  | |  | |  | | |
| Olomouc – Czech Republic | 382d | 274, 489 | 394d | 288, 500 | 671d | 528, 814 | 603d | | 464, 743 |
| Hradec Kralove – Czech Republic | 336d | 196, 477 | 382d | 242, 521 | 672d | 488, 857 | 609d | | 427, 790 |
| Aarhus – Denmark | 509d | 410, 607 | 546d | 447, 644 | 1,056d | 918, 1,194 | 1,043d | | 908, 1,177 |
| Pamplona – Spain | 374d | 284, 465 | 358d | 267, 448 | 796d | 664, 928 | 671d | | 544, 718 |
| Stoke-on-Trent (UK) | 200e | 56, 304 | 257d | 115, 399 | 443d | 259, 627 | 359d | | 178, 539 |
| Seattle (USA) | 192d | 128, 256 | 185d | 121, 248 | 391d | 281, 501 | 313d | | 211, 416 |
| Baltimore (USA) | 190d | 121, 259 | 189d | 121, 257 | 414d | 301, 528 | 377d | | 271, 483 |
| Age (years) | 5d | 4, 7 | 7d | 5, 9 |  | | 4d | | 1, 6 |
| Weight status (ref. Normal) |  | |  | |  | |  | | |
| Overweight | -23 | -72, 26 |  | |  | |  | | |
| Obese | -98e | -166, -33 |  | |  | |  | | |
| Education (ref. no tertiary degree) |  | |  | |  | |  | | |
| Tertiary degree | -139d | -185, -93 |  | |  | |  | | |
| Sex (ref. Male) |  | |  | |  | |  | | |
| Female | 152d | 108, 195 | 186d | 143, 229 |  | |  | | |
| % total PA time spent on leisure | -4d | -5, -4 | -5d | -6, -4 | -2d | -3, -1 | -2d | | -3, -1 |
| % total PA time spent on bicycling for transport |  | |  | | -3f | -5, -1 |  | | |
| % total PA time spent on occupation | 10d | 9, 11 | 10d | 9, 11 | 6d | 5, 7 | 5d | | 4, 6 |

a Accelerometry-based estimates of physical activity were adjusted for accelerometer wear time. Associations were adjusted for clustering at the administrative units and city levels. Continuous correlates were centered around their mean. Only significant correlates were included.

b Conceptually-matched variables.

c Intensity-matched variables.

d *P*<0.001

e *P*<0.01

f *P*<0.05

– bouts, amount of physical activity accumulated in ≥10-minute bouts; b, regression coefficient; CI, confidence interval; h/day, hours per day; IPAQ-LF, International Physical Activity Questionnaire – Long Form; LMPA, light-to-moderate intensity physical activity; min/week, minutes per week; MPA, moderate intensity physical activity; MVPA, moderate-to-vigorous intensity physical activity; PA, physical activity; ref., reference category; VPA, vigorous intensity physical activity.