

**Supplementary Material Table 1.** Spearman correlations (r) for time spent in different physical activity intensities and domains as recorded by IPAQ long and Actigraph accelerometers with 95% CI based on Fisher's z transformation (Switzerland, 2011, N=346)

IPAQ long	Actigraph	Gender			Age group			Language region		
		All	Men	Women	18-39y	40-64y	≥65y	German	French	Italian
Total (MET-min/week)	Total (counts/min)	0.27 (0.15 - 0.38)	0.27 (0.10 - 0.42)	0.28 (0.12 - 0.42)	0.27 (0.00 - 0.50)	0.34 (0.18 - 0.47)	0.32 (0.09 - 0.52)	0.33 (0.15 - 0.49)	0.30 (0.09 - 0.48)	0.19 (-0.04 - 0.40)
Total (min mvpa/week)	Total (min mvpa/week)	0.09 (-0.03 - 0.21)	0.16 (-0.01 - 0.33)	0.04 (-0.13 - 0.20)	0.09 (-0.18 - 0.35)	0.21 (0.05 - 0.36)	-0.01 (-0.25 - 0.23)	0.12 (-0.07 - 0.31)	0.14 (-0.08 - 0.34)	0.04 (-0.19 - 0.27)
Vigorous (min/week)	Vigorous (min/week)	0.41 (0.31 - 0.49)	0.31 (0.16 - 0.45)	0.48 (0.35 - 0.58)	0.40 (0.16 - 0.60)	0.40 (0.27 - 0.52)	0.28 (0.08 - 0.46)	0.28 (0.12 - 0.43)	0.36 (0.18 - 0.52)	0.53 (0.36 - 0.66)
Moderate (min/week)	Moderate (min/week)	-0.12 (-0.23 - 0.00)	-0.06 (-0.23 - 0.11)	-0.13 (-0.29 - 0.03)	-0.15 (-0.40 - 0.13)	-0.03 (-0.19 - 0.13)	-0.11 (-0.33 - 0.13)	-0.16 (-0.34 - 0.03)	-0.08 (-0.29 - 0.13)	-0.09 (-0.30 - 0.13)
Moderate (min/week)	Light (min/week)	0.37 (0.26 - 0.46)	0.34 (0.18 - 0.49)	0.38 (0.23 - 0.51)	0.32 (0.06 - 0.54)	0.37 (0.22 - 0.50)	0.42 (0.21 - 0.59)	0.43 (0.27 - 0.57)	0.26 (0.05 - 0.45)	0.40 (0.20 - 0.57)
Moderate + walking (min/week)	Moderate (min/week)	0.03 (-0.09 - 0.15)	0.10 (-0.08 - 0.27)	-0.01 (-0.17 - 0.16)	0.00 (-0.26 - 0.27)	0.13 (-0.03 - 0.29)	-0.02 (-0.26 - 0.22)	0.08 (-0.12 - 0.26)	0.07 (-0.15 - 0.28)	0.00 (-0.22 - 0.23)
Moderate + walking (min/week)	Light (min/week)	0.34 (0.23 - 0.44)	0.33 (0.16 - 0.48)	0.33 (0.18 - 0.47)	0.35 (0.09 - 0.57)	0.31 (0.16 - 0.46)	0.39 (0.17 - 0.58)	0.47 (0.30 - 0.60)	0.21 (-0.00 - 0.41)	0.27 (0.05 - 0.47)
Walking (min/week)	Moderate (min/week)	0.27 (0.16 - 0.37)	0.29 (0.13 - 0.43)	0.25 (0.10 - 0.39)	0.24 (-0.02 - 0.47)	0.33 (0.19 - 0.46)	0.29 (0.08 - 0.48)	0.35 (0.18 - 0.49)	0.32 (0.13 - 0.49)	0.21 (0.00 - 0.40)
Sitting time (hours/week) incl. motorized transport	Sitting time (hours/week)	0.42 (0.32 - 0.50)	0.28 (0.12 - 0.42)	0.53 (0.42 - 0.63)	0.72 (0.57 - 0.83)	0.36 (0.23 - 0.49)	0.34 (0.14 - 0.52)	0.39 (0.23 - 0.53)	0.46 (0.29 - 0.60)	0.32 (0.12 - 0.49)
Physical activity at work (MET-min/week)	mvpa (min/week)	0.03 (-0.08 - 0.14)	0.10 (-0.06 - 0.26)	-0.05 (-0.20 - 0.10)	-0.03 (-0.29 - 0.24)	0.02 (-0.13 - 0.17)	-0.07 (-0.27 - 0.13)	0.07 (-0.10 - 0.24)	0.04 (-0.16 - 0.24)	0.00 (-0.21 - 0.20)
Physical activity for transport (MET-min/week)	mvpa (min/week)	0.25 (0.15 - 0.35)	0.22 (0.07 - 0.37)	0.28 (0.13 - 0.41)	0.32 (0.07 - 0.54)	0.28 (0.14 - 0.42)	0.27 (0.06 - 0.44)	0.19 (0.02 - 0.36)	0.28 (0.09 - 0.45)	0.27 (0.07 - 0.45)
Domestic physical activity (MET-min/week)	mvpa (min/week)	-0.20 (-0.30 - 0.30)	-0.16 (-0.32 - 0.32)	-0.20 (-0.34 - 0.34)	0.04 (-0.22 - 0.30)	-0.13 (-0.28 - 0.32)	-0.12 (-0.32 - 0.32)	-0.25 (-0.41 - 0.35)	-0.16 (-0.35 - 0.35)	-0.13 (-0.33 - 0.33)

		0.09)	0.00)	0.04)		0.03)	0.09)	0.08)	0.05)	0.08)
Leisure-time physical activity (MET-min/week)	mvpa (min/week)	0.48 (0.39 - 0.56)	0.35 (0.20 - 0.49)	0.57 (0.47 - 0.67)	- 0.34 (0.09 - 0.55)	0.56 (0.44 - 0.65)	0.37 (0.17 - 0.54)	0.44 (0.28 - 0.57)	0.51 (0.35 - 0.64)	0.45 (0.27 to 0.60)

mvpa=moderate-to-vigorous physical activity