

**Online Supplementary Material Table 1. Spearman correlations ( $r$ ) for time spent in different physical activity intensities and domains as recorded by GPAQ and Actigraph accelerometers with 95% CI based on Fisher's z transformation**

GPAQ	Accelerometer	Total	Sex		Age category			Language region		
			Male	Female	18-39 years	40-59 years	≥60 years	German	French	Italian
Total (MET-min/week)	Total (counts/min)	0.22 (0.12-0.32)	0.13 (-0.02-0.27)	0.31 (0.17-0.44)	0.36 (0.21-0.50)	0.23 (0.07-0.38)	0.03 (-0.19-0.24)	0.25 (0.07-0.41)	0.22 (0.01-0.41)	0.16 (-0.004-0.31)
Total (MET-min/week)	Total (steps)	0.25 (0.15-0.35)	0.20 (0.06-0.34)	0.31 (0.17-0.44)	0.38 (0.23-0.52)	0.28 (0.12-0.42)	0.02 (-0.20-0.24)	0.26 (0.08-0.42)	0.29 (0.08-0.47)	0.20 (0.04-0.35)
Total (min/week in mvpa)	Total (min/week in mvpa)	0.11 (0.003-0.21)	0.04 (-0.11-0.19)	0.17 (0.03-0.31)	0.28 (0.12-0.43)	0.06 (-0.11-0.22)	-0.00 (-0.22-0.22)	0.16 (-0.02-0.33)	0.13 (-0.09-0.33)	0.02 (-0.15-0.18)
Vigorous (min/week)	Vigorous (min/week)	0.46 (0.38-0.54)	0.35 (0.22-0.48)	0.55 (0.44-0.64)	0.40 (0.25-0.54)	0.52 (0.38-0.63)	0.21 (-0.01-0.41)	0.34 (0.18-0.49)	0.41 (0.22-0.57)	0.42 (0.28-0.54)
Moderate (min/week)	Moderate (min/week)	0.16 (0.05-0.26)	0.16 (0.01-0.30)	0.17 (0.02-0.31)	0.25 (0.09-0.41)	0.11 (-0.06-0.27)	0.08 (-0.14-0.29)	0.18 (0.003-0.35)	0.17 (-0.04-0.37)	0.11 (-0.05-0.27)
Moderate (min/week)	Light (min/week)	0.30 (0.20-0.39)	0.33 (0.20-0.46)	0.24 (0.10-0.37)	0.26 (0.09-0.41)	0.31 (0.15-0.45)	0.13 (-0.09-0.33)	0.31 (0.14-0.47)	0.22 (0.01-0.42)	0.31 (0.16-0.45)
Sitting (hours/week)	Sitting (hours/week)	0.47 (0.39-0.55)	0.44 (0.31-0.55)	0.49 (0.37-0.59)	0.61 (0.49-0.70)	0.38 (0.23-0.52)	0.37 (0.18-0.54)	0.57 (0.43-0.68)	0.29 (0.08-0.47)	0.48 (0.35-0.59)
Physical activity at work (MET-min/week)	mvpa (min/week)	-0.13 (-0.23-0.03)	-0.13 (-0.27-0.02)	-0.12 (-0.26-0.03)	-0.01 (-0.18-0.16)	-0.19 (-0.35-0.03)	-0.17 (-0.37-0.05)	-0.08 (-0.25-0.10)	-0.17 (-0.37-0.04)	-0.16 (-0.31-0.003)
Transport activities (MET-min/week)	mvpa (min/week)	0.15 (0.05-0.25)	0.15 (0.003-0.29)	0.15 (0.006-0.29)	0.17 (-0.001-0.33)	0.20 (0.04-0.36)	0.02 (-0.20-0.24)	0.12 (-0.06-0.30)	0.19 (-0.02-0.39)	0.15 (-0.006-0.31)
Leisure-time physical activity (MET-min/week)	mvpa (min/week)	0.28 (0.18-0.38)	0.24 (0.10-0.38)	0.32 (0.18-0.44)	0.37 (0.21-0.51)	0.22 (0.06-0.38)	0.26 (0.05-0.45)	0.24 (0.06-0.40)	0.35 (0.15-0.53)	0.22 (0.07-0.37)

GPAQ = Global Physical Activity Questionnaire; MET = metabolic equivalent; mvpa = moderate-to-vigorous physical activity