

Supplementary Table 1. Standardized betas (SE) and p-values in models predicting time to walk (sec) for the total cohort n=795.

| Standardized betas (SE) and p-values | | | | | |
|--------------------------------------|-----------------|-----------------|-----------------|-----------------|-----------------|
| | Model 1 | Model 2 | Model 3 | Model 4 | Model 5 |
| PhMTR | - 0.22 (0.007) | - 0.21 (0.007) | - 0.14 (0.008) | - 0.21 (0.007) | - 0.13 (0.008) |
| | <i>p</i> <0.001 | <i>p</i> <0.001 | <i>p</i> =0.001 | <i>p</i> <0.001 | <i>p</i> =0.004 |
| WMH volume¹ | | 0.12 (0.014) | | | 0.11 (0.014) |
| | | <i>p</i> <0.001 | - | | <i>p</i> <0.001 |
| Brain atrophy | | | 0.15 (1.818) | | 0.15 (1.803) |
| | | | <i>p</i> =0.001 | | <i>p</i> =0.001 |
| Brain infarcts | - | | - | 0.06 (0.121) | 0.04 (0.121) |
| | | | | <i>p</i> =0.05 | <i>p</i> =0.20 |

Supplementary Table 2. Standardized betas (SE) and p-values in models predicting time to walk (sec) for the total cohort n=795.

| Standardized betas (SE) and p-values | | | | | | |
|--------------------------------------|-------------------------------|--|-------------------------------|-----------------------------|------------------|-----------------|
| | Model 1 | Model 2 | Model 3 | Model 4 | Model 5 | Model 6 |
| | (adjusted for age and gender) | (Model 1 further adjusted for health-related conditions [^]) | (Model 1 + Physical activity) | (Model 1 + Muscle strength) | (Model 1 + DSST) | (Model 1 + GDS) |
| Peak height-MTI | - 0.13 (0.008) | - 0.11 (0.008) | - 0.10 (0.008) | - 0.12 (0.008) | - 0.09 (0.008) | - 0.11 (0.008) |
| | <i>p</i> =0.002 | <i>p</i> =0.01 | <i>p</i> =0.02 | <i>p</i> =0.003 | <i>p</i> =0.03 | <i>P</i> =0.01 |
| WMH volume | 0.12 (0.014) | 0.12 (0.014) | 0.11 (0.014) | 0.10 (0.014) | 0.10 (0.014) | 0.10 (0.014) |
| | <i>p</i> <0.001 | <i>p</i> <0.001 | <i>p</i> =0.001 | <i>p</i> =0.002 | <i>p</i> =0.001 | <i>P</i> =0.002 |
| Brain atrophy | 0.15 (1.803) | 0.16 (1.808) | 0.16 (1.801) | 0.11 (1.770) | 0.15 (1.777) | 0.14 (1.778) |
| | <i>p</i> =0.001 | <i>p</i> =0.001 | <i>p</i> =0.001 | <i>p</i> =0.01 | <i>p</i> =0.001 | <i>P</i> =0.002 |

[^] Includes hip/knee osteoarthritis, diabetes or IFG, coronary artery calcium and body mass index.