**Supplemental Table 9**. Association between walking-pace with cause-specific incidence by total walking time tertiles

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **Total N** | **Number of deaths** | **Brisk****walking pace** | **P-value** | **Average** **walking pace** | **P-value** | **Slow****walking pace** | **P-value** | **P-interaction** |
| **CVD** |  |  |  |  |  |  |  |  |  |
| Higher walking tertile  | 82,276 | 4,644 | 1.00 (Ref.) | -- | 1.04 (0.97; 1.11) | 0.298 | 1.09 (1.01; 1.19) | 0.040 | 0.260 |
| Middle walking tertile | 103,627 | 5,805 | 0.99 (0.92; 1.06) | 0.698 | 1.03 (0.96; 1.10) | 0.417 | 1.15 (1.02; 1.30) | 0.018 |  |
| Lower walking tertile | 58,190 | 3,560 | 0.98 (0.91; 1.06) | 0.645 | 0.98 (0.92; 1.06) | 0.641 | 1.26 (1.09; 1.47) | 0.002 |  |
| **Respiratory System** |  |  |  |  |  |  |  |  |  |
| Higher walking tertile  | 82,276 | 1,307 | 1.00 (Ref.) | -- | 1.09 (0.96; 1.25) | 0.195 | 1.45 (1.13; 1.86) | 0.004 | 0.099  |
| Middle walking tertile | 103,627  | 1,682 | 0.99 (0.86; 1.13) | 0.857 | 1.10 (0.96; 1.25) | 0.160 | 1.42 (1.16; 1.73) | 0.001 |  |
| Lower walking tertile | 58,190 | 1,013 | 0.86 (0.74; 1.00) | 0.057 | 1.06 (0.93; 1.21) | 0.401 | 1.47 (1.21; 1.79) | <0.0001 |  |
| **All-cancer** |  |  |  |  |  |  |  |  |  |
| Higher walking tertile  | 82,276 | 5,003 | 1.00 (Ref.) | -- | 0.97 (0.90; 1.03) | 0.316 | 0.87 (0.72; 1.05) | 0.151 | 0.259 |
| Middle walking tertile | 103,627 | 6,188 | 0.99 (0.93; 1.06) | 0.856 | 0.99 (0.93; 1.06) | 0.821 | 0.96 (0.84; 1.10) | 0.589 |  |
| Lower walking tertile | 58,190 | 3,474 | 0.99 (0.93; 1.06) | 0.832 | 1.02 (0.95; 1.09) | 0.563 | 0.93 (0.81; 1.06) | 0.280 |  |

Data presented as adjusted hazard ratio (HR) and its 95% confidence interval (95% CI) by walking pace and total walking time tertiles. Individuals who reported brisk walking pace and higher levels of walking time were used as reference group.

Analyses were conducted using a 2 years-landmark analyses and all participants with comorbidities at baseline were excluded from the analyses.

The analyses were adjusted for month of recruitment, age, deprivation index, employment status, ethnicity, systolic blood pressure, medication for CVD, self-health rating, BMI categories, smoking, discretionary screen time, dietary intake (alcohol, red meat, processed meat, oily fish, processed meat and fruit and vegetables), handgrip strength and moderate to vigorous physical activity