

Table 1. ICD-9 and ICD-10 codes.

Type of Cancer	ICD-9 and ICD-10 Codes											
Lung cancer	C34.0	C34.1	C34.2	C34.3	C34.8	C34.9						
	1620	1622	1623	1624	1625	1628	1629					
Breast cancer	C50.0	C50.1	C50.2	C50.3	C50.4	C50.5	C50.6	C50.8	C50.9			
	1740	1741	1742	1743	1744	1745	1746	1748	1749			
Colorectal cancer	C18.0	C18.1	C18.2	C18.3	C18.4	C18.5	C18.6	C18.7	C18.8	C18.9	C19	C20
	1530	1531	1532	1533	1534	1535	1536	1537	1538	1539	1540	1541
Prostate cancer											C61	185

Table 2. Correlates of time spent in MVPA (min/day) among lung, breast, colorectal and prostate cancer (Standardized coefficient).

	Lung Cancer <i>Beta</i>	Breast Cancer <i>Beta</i>	Colorectal Cancer <i>Beta</i>	Prostate Cancer <i>Beta</i>
Male (reference: female)	0.02	–	–0.03	–
Age at accelerometer study	–0.34 ***	–0.26 ***	–0.30 ***	–0.29 ***
White (reference: non-white)	–0.01	–0.01	–0.06	–0.03
Townsend Index of Deprivation	–0.09	–0.04	–0.03	0.01
BMI				
Underweight	–0.07	0.04	–0.04	0.04
Normal	0.00 (reference)	0.00 (reference)	0.00 (reference)	0.00 (reference)
Overweight	–0.05	–0.10 **	–0.07	–0.09 **
Obese	–0.09	–0.13 ***	–0.16 **	–0.15 ***
Smoking status				
Never	0.00 (reference)	0.00 (reference)	0.00 (reference)	0.00 (reference)
Previous	–0.09	0.04	0.12 *	0.08 **
Current	–0.28 ***	–0.05	–0.02	–0.03
Alcohol drinking frequency				
≤1-3 times/month	0.00 (reference)	0.00 (reference)	0.00 (reference)	0.00 (reference)
1-4 times/week	0.02	0.09 *	0.06	0.05
Daily or almost daily	0.10	0.09 *	0.06	0.02
Overall health rating				
Excellent	0.00 (reference)	0.00 (reference)	0.00 (reference)	0.00 (reference)
Good	0.01	–0.01	–0.22	–0.05
Fair	–0.01	–0.05	–0.09	–0.10
Poor	–0.10	–0.07 *	–0.08	–0.10
No. of comorbidities	–0.07	–0.04	–0.04	–0.07 *
Self-reported walking pace				
Slow	0.00 (reference)	0.00 (reference)	0.00 (reference)	0.00 (reference)
Steady or average	0.14	0.19 *	0.23 *	0.16
Brisk	0.26 **	0.33 ***	0.34 ***	0.23 **
Grip strength (kg)	–0.15	–0.05	–0.06	–0.07 *
Anxiety and depression	–0.07	–0.03	0.00	0.02

Note. * $p < 0.05$, ** $p < 0.01$, *** $p < 0.001$.

Table 3. Interaction between cancer types and MVPA on all-cause mortality ($n = 2,661$).

Adjusted Hazard Ratio ^a ($n = 2,661$, No. of events = 426)	
Time in MVPA (hours/day)	
<1 hour (reference)	1.0 (Reference)
1-1.5 hours	0.93 (0.60, 1.43)

1.5-2 hours	0.82 (0.53, 1.27)
≥2 hours	0.72 (0.41, 0.24)
Cancer type	
Lung cancer (reference)	1.0 (Reference)
Female breast cancer	0.09 (0.05, 0.19) ***
Colorectal cancer	0.36 (0.23, 0.55) ***
Prostate cancer	0.09 (0.05, 0.15) ***
Cancer type # time in MVPA	
Female breast cancer × 1-1.5 hours	0.94 (0.39, 2.30)
Female breast cancer × 1.5-2 hours	0.86 (0.34, 2.17)
Female breast cancer × ≥2 hours	0.54 (0.20, 1.49)
Colorectal cancer × 1-1.5 hours	1.05 (0.57, 1.94)
Colorectal cancer × 1.5-2 hours	0.56 (0.28, 1.13)
Colorectal cancer × ≥2 hours	0.85 (0.41, 1.77)
Prostate cancer × 1-1.5 hours	0.78 (0.39, 1.58)
Prostate cancer × 1.5-2 hours	0.88 (0.43, 1.79)
Prostate cancer × ≥2 hours	0.69 (0.31, 1.53)

Note. ^a Adjusted for gender, age, race, Townsend Index of deprivation, BMI, smoking status, alcohol drinking frequency and comorbidities (diabetes, heart attack, angina, stroke, hypertension, COPD and asthma). *** $p < 0.001$.