Supplementary material

Table S1. Average distance of active commuting trip (single) from home to working place among participants with low and high particle exposure.

IHD	Male			Female		
Active commuting (km per trip) (n, mean (SD))	Low PM2.5	High PM2.5	p-value	Low PM2.5	High PM2.5	p-value
One season	124, 7.14 (9.47)	193, 5.64 (7.54)	0.14	77, 4.25 (5.31)	107, 5.59 (8.73)	0.20
At most two seasons of four	46, 9.70 (11.2)	76, 7.56 (9.37)	0.28	31, 6.39 (9.72)	40, 8.22 (11.2)	0.41
More than two seasons of four	87, 5.36 (7.60)	108, 4.50 (6.02)	0.40	47, 2.76 (2.74)	66, 4.08 (4.35)	0.13
Stroke						
Active commuting (km per trip) (n, mean (SD))						
One season	64, 4.75 (4.48)	108, 6.34 (9.98)	0.15	77, 5.18 (7.11)	96, 5.13 (8.98)	0.96
At most two seasons of four	28, 6.46 (5.78)	40, 10.1 (13.3)	0.13	37, 6.62 (9.58)	32, 8.84(13.1)	0.43
More than two seasons of four	36, 3.42 (2.49)	68, 4.12 (6.53)	0.43	40, 3.85 (3.15)	64, 3.27 (5.16)	0.48

Table S2. Association between assessment in exercise between two health examinations and IHD/stroke recurrence

Exercise in training clothes	[a] HR (95% CI)	Number of participants
IHD		
Low-Low	1	367
High-High	1.26 (0.51-3.09	25
Low-High	1.12 (0.67-1.89)	95
High-Low	1.62 (0.65-3.99)	27
Stroke		
Low-Low	1	179
High-High	0 (0-0)	19
Low-High	0.91 (0.32-3.6)	47
High-Low	2.68 (0.52-28.44)	8

[a]Adjusted for sex, calendar year, education, smoking, alcohol intake, occupation, leisure time physical activity, active commuting, and neighbourhood mean income

Table S3. Association between exercise and IHD/stroke recurrence among participants with different time from screening giving the eligibility to first incident IHD/stroke

Exercise in training clothes	Adjusted[a] HRs in different categories of time duration		
IHD	Short	Medium	Long
≤ once/week	1	1	1
≥ twice/week	1.14 (0.67-1.94)	1.85 (1.03-3.32)	1.11 (0.46-2.69)
Stroke			
≤ once/week	1	1	1
≥ twice/week	1.66 (0.59-4.69)	1.57 (0.73-3.38)	2.69 (0.48-15.17)

[a]Adjusted for sex, calendar year, education, smoking, alcohol intake, occupation, leisure time physical activity, active commuting, and neighbourhood mean income