

SUPPLEMENTAL MATERIAL

Table S1. Hazard ratios (95% CI) of coronary heart disease (CHD), stroke, and total cardiovascular disease (CVD) according to categories of the Reynolds Risk Score.

	No. of Person-Years (No. of Events)	Age- and Treatment-adjusted HR (95% CI)	Multivariable-adjusted* HR (95% CI)
CHD			
Reynolds Risk Score			
< 5%	416,715 (220)	1.00	1.00
5 - < 10%	44,334 (116)	4.55 (3.51, 5.90)	3.59 (2.74, 4.69)
10 - < 20%	15,750 (85)	9.06 (6.68, 12.28)	6.66 (4.83, 9.19)
≥ 20%	4190 (37)	14.88 (10.08, 21.96)	9.91 (6.52, 15.08)
<i>P</i> for trend		<.0001	<.0001
STROKE			
Reynolds Risk Score			
< 5%	416,179 (388)	1.00	1.00
5 - < 10%	44,458 (130)	1.67 (1.33, 2.09)	1.51 (1.20, 1.90)
10 - < 20%	15,918 (96)	2.82 (2.16, 3.68)	2.48 (1.88, 3.28)
≥ 20%	4223 (36)	4.07 (2.80, 5.90)	3.22 (2.17, 4.80)
<i>P</i> for trend		<.0001	<.0001
TOTAL CVD			
Reynolds Risk Score			
< 5%	420,218 (1032)	1.00	1.00
5 - < 10%	43,919 (422)	2.93 (2.57, 3.34)	2.56 (2.24, 2.94)
10 - < 20%	15,184 (276)	5.07 (4.32, 5.95)	4.33 (3.66, 5.12)
≥ 20%	3884 (130)	9.56 (7.79, 11.71)	7.66 (6.16, 9.53)
<i>P</i> for trend		<.0001	<.0001

*Adjusted for age; randomized treatment assignment; smoking status; consumption of alcohol, saturated fat, fiber, fruits, and vegetables; menopausal status; postmenopausal hormone use; physical activity.

Table S2. Hazard ratios (95% CI) of coronary heart disease (CHD), stroke, and total cardiovascular (CVD) for being Physically Active (≥ 500 kcal/wk) within categories of the Reynolds Risk Score

	# events	Age- and treatment-adjusted HR (95% CI)	Multivariable HR (95% CI)*
CHD			
All women	458	0.57 (0.47, 0.68)	0.64 (0.53, 0.77)
Reynolds Risk Score			
< 5%	220	0.73 (0.56, 0.95)	0.78 (0.59, 1.02)
5 - < 10%	116	0.73 (0.51, 1.06)	0.71 (0.49, 1.04)
10 - < 20%	85	0.42 (0.26, 0.68)	0.43 (0.26, 0.70)
$\geq 20\%$	37	0.67 (0.34, 1.34)	1.04 (0.50, 2.17)
<i>P</i> for interaction		0.16	0.20
STROKE			
All women	650	0.70 (0.60, 0.82)	0.78 (0.66, 0.91)
Reynolds Risk Score			
< 5%	388	0.77 (0.63, 0.94)	0.82 (0.66, 1.00)
5 - < 10%	130	0.70 (0.50, 1.00)	0.66 (0.47, 0.95)
10 - < 20%	96	0.79 (0.52, 1.19)	0.85 (0.56, 1.29)
$\geq 20\%$	36	0.66 (0.33, 1.33)	0.59 (0.28, 1.24)
<i>P</i> for interaction		0.92	0.92
TOTAL CVD			
All women	1860	0.67 (0.61, 0.73)	0.73 (0.66, 0.80)
Reynolds Risk Score			
< 5%	1032	0.73 (0.65, 0.83)	0.78 (0.69, 0.89)
5 - < 10%	422	0.83 (0.69, 1.01)	0.82 (0.67, 0.99)
10 - < 20%	276	0.65 (0.51, 0.84)	0.65 (0.50, 0.84)
$\geq 20\%$	130	0.76 (0.53, 1.09)	0.81 (0.55, 1.19)
<i>P</i> for interaction		0.64	0.66

*Adjusted for age; randomized treatment assignment; smoking status; consumption of alcohol, saturated fat, fiber, fruits, and vegetables; menopausal status; postmenopausal hormone use.

Table S3. Hazard ratios (95% CI) of total CVD according to time spent walking per week.

	No. of Person-Years (No. of Events)	Age- and Treatment-adjusted HR (95% CI)	Multivariable-adjusted* HR (95% CI)
Walking quartile			
0 minutes	63,481 (347)	1.00	1.00
1 - 59 minutes	130,575 (596)	0.69 (0.61, 0.79)	0.78 (0.68, 0.89)
1 – 2.5 hours	106,953 (365)	0.57 (0.49, 0.65)	0.69 (0.59, 0.80)
≥ 2.5 hours	182,183 (552)	0.50 (0.44, 0.57)	0.64 (0.56, 0.73)
<i>P</i> for trend		<.0001	0.0002

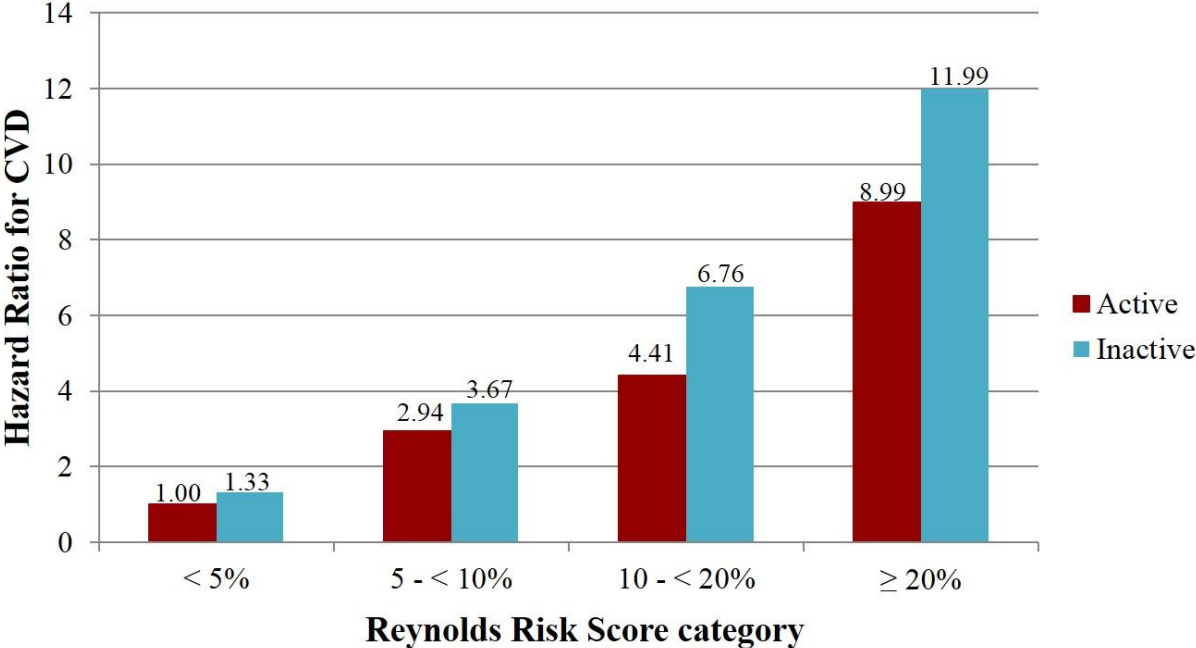
*Adjusted for age; randomized treatment assignment; smoking status; consumption of alcohol, saturated fat, fiber, fruits, and vegetables; menopausal status; postmenopausal hormone use; parent history of MI < 60 years of age; Pooled Cohort risk; vigorous-intensity physical activity.

Table S4. Hazard ratios (95% CI) of total CVD for Walking (≥ 1 hour/week vs. < 1 hour/week) within categories of Pooled Cohort risk or Reynolds Risk score.

	# events	Age- and treatment-adjusted HR (95% CI)	Multivariable HR (95% CI)*
All women	1860	0.67 (0.61, 0.73)	0.78 (0.71, 0.86)
Pooled Cohort category			
< 5%	865	0.77 (0.67, 0.88)	0.83 (0.73, 0.96)
5 - < 7.5%	296	0.66 (0.52, 0.83)	0.65 (0.51, 0.82)
7.5 - < 10%	223	0.66 (0.50, 0.86)	0.70 (0.53, 0.93)
$\geq 10\%$	476	0.75 (0.63, 0.90)	0.80 (0.66, 0.96)
<i>P</i> for interaction		0.23	0.22
Reynolds Risk Score			
< 5%	1032	0.76 (0.67, 0.86)	0.82 (0.72, 0.93)
5 - < 10%	422	0.69 (0.57, 0.84)	0.70 (0.58, 0.86)
10 - < 20%	276	0.73 (0.57, 0.93)	0.74 (0.58, 0.96)
$\geq 20\%$	130	0.93 (0.65, 1.32)	1.06 (0.73, 1.54)
<i>P</i> for interaction		0.49	0.03

*Adjusted for age; randomized treatment assignment; smoking status; consumption of alcohol, saturated fat, fiber, fruits, and vegetables; menopausal status; postmenopausal hormone use; parent history of MI < 60 years of age; vigorous-intensity physical activity

Figure S1. Age- and treatment-adjusted hazard ratios (HR) for total CVD for the joint association between physical activity and Reynolds Risk Score.



The models included age and randomized treatment assignment. All HR were significant at $p = 0.01$. P for interaction = 0.64.