## Less Overall Physical Activity (< 2 hrs/d)

	Sedentary		Exercise		Non-exercise		Total time	
	HR	95%	HR	95% CI	HR	95% CI	HR	95% CI
	CI							
<b>All-cause mortality</b> Partition	1.019	1.011, 1.027	0.613	0.560, 0.672	0.730	0.686, 0.775	-	
Replacement/substitution	-		0.602	0.550, 0.659	0.716	0.673, 0.761	1.019	1.011, 1.027
Cardiovascular mortality Partition Replacement/substitution	1.023 -	1.008, 1.038	0.483 0.473	0.403, 0.580 0.394, 0.567	0.675 0.660	0.602, 0.757 0.588, 0.741	<u> </u>	1.008, 1.038

## More Overall Physical Activity (≥ 2 hrs/d)

	Sedentary		Exercise		Non-exercise		Total time	
	HR	95%	HR	95% CI	HR	95% CI	HR	95% CI
		CI						
All-cause mortality								
Partition	1.014	1.005, 1.022	0.933	0.900, 0.968	1.013	0.992, 1.035	-	
Replacement/substitution	-		0.921	0.887, 0.956	1.000	0.977, 1.023	1.014	1.005, 1.022
Continues to the state of								
Cardiovascular mortality Partition	1.023	1 007 1 040	0.870	0.806. 0.938	1.029	0.988. 1.073		
Replacement/substitution		1.007, 1.040	0.850	0.787, 0.918	1.029	0.962, 1.052	1.023	1 007 1 040
Replacement/substitution	-		0.850	0.767, 0.918	1.006	0.302, 1.032	1.023	1.007, 1.040

Partition Models adjusted for each type of activity indicated (hrs/d), as well as Age (years), Education (< 12 yrs, high school graduate, some college, college graduate, unknown),

Replacement/substitution models include each type of activity, total time (sum of active and sedentary) and the covariates listed above.

Smoking history (never, stopped 10+, stopped 5-9, stopped 1-4 years, stopped < 1 year, current smoker, unknown),

Sleep duration (< 4, 4-5.9, 6-7.9, 8-9.9, 10+ hours/day, unknown), Overall health (excellent, very good, good, fair,

poor, unknown), and Body Mass Index (< 25, 25-29.9, 30+ kg/m2, unknown), and Sex among All Participants