Less Overall Physcial Activity (< 2 hrs/d)			CVD									
Variable Group 1	Sedentary HR 95% CI		<b>Exercise</b> <b>HR</b> 95% CI		Non-exercise HR 95% CI		Total time HR 95% CI					
ALL Participants Partition Replacement/substitution	1.023	1.010, 1.037	0.483 0.472	0.411, 0.568 0.402, 0.555	0.650 0.635	0.587, 0.721 0.573, 0.705	1.023	1.010, 1.037	-			
<b>MEN</b> Partition Replacement/substitution	1.026 -	1.009, 1.043	0.494 0.481	0.409, 0.595 0.399, 0.580	0.724 0.706	0.635, 0.825 0.619, 0.805	- 1.026	1.009, 1.043				
<b>WOMEN</b> Partition Replacement/substitution	1.02	0.999, 1.042	0.465 0.455	0.335, 0.644 0.329, 0.631	0.55 0.539	0.466, 0.649 0.456, 0.637	- 1.02	0.999, 1.042				
Variable Group 2	Sedentary HR 95% CI		Exercise HR 95% CI		Household HR 95% CI		<b>Lawn/garden</b> <b>HR</b> 95% CI		Other walking HR 95% CI		Total time HR	95% CI
ALL Participants Partition Replacement/substitution	1.021	1.008, 1.035	0.48 0.471	0.409, 0.565 0.400, 0.553	0.769 0.753	0.671, 0.881 0.657, 0.863	0.395 0.387	0.305, 0.512 0.299, 0.501	0.654 0.641	0.489, 0.875 0.479, 0.857	- 1.021	1.008, 1.035
<b>MEN</b> Partition Replacement/substitution	1.023	1.009, 1.027	0.49 0.479	0.407, 0.591 0.397, 0.578	0.887 0.867	0.734, 1.070 0.717, 1.048	0.449 0.439	0.339, 0.595 0.332, 0.581	0.849 0.83	0.601, 1.201 0.586, 1.175	- 1.023	1.006, 1.040
<b>WOMEN</b> Partition Replacement/substitution	1.018 -	0.997, 1.039	0.478 0.469	0.345, 0.662 0.339, 0.650	0.674 0.662	0.555, 0.819 0.545, 0.806	0.179 0.176	0.090, 0.355 0.088, 0.349	0.387 0.38	0.230, 0.652 0.226, 0.641	- 1.018	0.997, 1.039
Variable Group 3	Sedentary HR 95% CI		Light HR 95% CI		Moderate-vigorous HR 95% Cl		Total time HR	95% CI				
ALL Participants Partition Replacement/substitution	1.021	1.008, 1.035	0.774 0.758	0.673, 0.891 0.658, 0.873	0.501 0.491	0.444, 0.565 0.435, 0.553	- 1.021	1.008, 1.035	<del>-</del>			
<b>MEN</b> Partition Replacement/substitution	1.022 -	1.006, 1.040	0.955 0.934	0.788, 1.156 0.769, 1.133	0.528 0.517	0.460, 0.608 0.450, 0.594	- 1.022	1.006, 1.040				
<b>WOMEN</b> Partition Replacement/substitution	1.019 -	0.998, 1.040	0.626 0.614	0.511, 0.766 0.501, 0.754	0.432 0.424	0.340, 0.548 0.334, 0.538	- 1.019	0.998 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),

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

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

Less Overall Physical Activit	CVD											
<u>Variable Group 1</u>	Sedentary HR 95% CI		Exercise HR 95% CI		Non-exercise HR 95% CI		Total time HR 95% CI					
ALL Participants Partition Replacement/substitution	1.026	1.011, 1.041	0.858 0.836	0.800, 0.920 0.778, 0.898	1.027 1.001	0.989, 1.067 0.961, 1.043	1.026	1.011, 1.041	-			
<b>MEN</b> Partition Replacement/substitution	1.014 -	0.994,1.034	0.847 0.836	0.777, 0.924 0.765, 0.913	1.032 1.018	0.983, 1.083 0.966, 1.073	- 1.014	0.994, 1.034				
<b>WOMEN</b> Partition Replacement/substitution	1.044 -	1.021, 1.067	0.877 0.840	0.777, 0.990 0.743, 0.950	1.016 0.974	0.955, 1.081 0.911, 1.040	- 1.044	1.021, 1.067				
Variable Group 2	Sedentary HR 95% CI		Exercise HR 95% CI		Household HR 95% CI		Lawn/garden HR 95% CI		Other walking HR 95% CI		Total time HR 95% CI	
ALL Participants Partition Replacement/substitution	1.025	1.010, 1.040	0.861 0.840	0.802, 0.923 0.781, 0.902	1.085 1.059	1.026, 1.148 0.999, 1.123	0.944 0.921	0.869, 1.025 0.847, 1.001	0.99 0.966	0.881, 1.114 0.858, 1.089	1.025	1.010, 1.040
<i>MEN</i> Partition Replacement/substitution	1.012 -	0.992, 1.032	0.851 0.841	0.781, 0.928 0.770, 0.919	1.141 1.127	1.062, 1.225 1.046, 1.215	0.9 0.89	0.815, 0.994 0.805, 0.983	0.975 0.963	0.834, 1.139 0.823, 1.128	- 1.012	0.992, 1.032
<b>WOMEN</b> Partition Replacement/substitution	1.044 -	1.021, 1.067	0.876 0.839	0.775, 0.989 0.741, 0.949	1.005 0.963	0.919, 1.100 0.877, 1.057	1.037 0.993	0.890, 1.208 0.852, 1.158	1.027 0.983	0.857, 1.231 0.818, 1.182	- 1.044	1.021, 1.067
Variable Group 3	Sedentary HR 95% CI		dentary Light 95% CI HR 95% CI		Moderate-vigorous HR 95% CI		Total time HR 95% CI					
ALL Participants Partition Replacement/substitution	1.024	1.010, 1.040	1.112 1.086	1.035, 1.195 1.008, 1.170	0.951 0.928	0.910, 0.993 0.887, 0.972	1.024	1.010, 1.040	-			
<i>MEN</i> Partition Replacement/substitution	1.01 -	0.990, 1.030	1.222 1.210	1.116, 1.337 1.101, 1.329	0.923 0.914	0.873, 0.977 0.862, 0.970	- 1.01	0.990, 1.030				
<b>WOMEN</b> Partition Replacement/substitution	1.045 -	1.022, 1.068	0.957 0.917	0.852, 1.076 0.813, 1.034	0.998 0.955	0.931, 1.069 0.888, 1.027	- 1.045	1.022, 1.068				

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),

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

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