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

Variable Group 1	Sedentary		Exercise		Non-exercise		Total time					
	HR	95% CI	HR	95% CI	HR	95% CI	HR	95% CI	_			
ALL Participants												
Partition	1.023	1.016, 1.030	0.594	0.547, 0.646	0.713	0.675, 0.754	-					
Replacement/substitution	-		0.581	0.535, 0.631	0.698	0.660, 0.737	1.023	1.016,1.030				
MEN												
Partition	1.020	1.010, 1.029	0.619	0.563, 0.682	0.715	0.665, 0.769	-					
Replacement/substitution	-		0.608	0.552, 0.669	0.701	0.652, 0.754	1.020	1.010, 1.029				
WOMEN												
Partition	1.028	1.017, 1.039	0.534	0.453, 0.630	0.705	0.647, 0.768	-					
Replacement/substitution	-		0.520	0.441, 0.613	0.686	0.629, 0.748	1.028	1.017, 1.039				
Washington Carrier 2		de atem.	_						Out.		<b>T. 1.1.1</b>	
Variable Group 2	Sedentary		Exercise		Household		Lawn/garden		Other walking		Total time	050/ 61
All Continto and	HR	95% CI	HR	95% CI	HR	95% CI	HR	95% CI	HR	95% CI	HR	95% CI
ALL Participants	4 004	4 04 4 4 020	0.500	0.545.0.643	0.046	0.750.0077	0.504	0.444.0576	0.670	0.500.0.704		
Partition	1.021	1.014, 1.028	0.592	0.545, 0.643	0.816	0.758, 0.877	0.504	0.441, 0.576	0.678	0.580, 0.791	-	4 04 4 4 000
Replacement/substitution	-		0.580	0.534, 0.630	0.799	0.742, 0.859	0.494	0.432, 0.564	0.664	0.568, 0.775	1.021	1.014, 1.028
0.4504												
MEN Doublition	1 010	1 000 1 027	0.617	0.564.0.670	0.011	0.730.0.001	0.554	0.470.0.643	0.750	0.635.0.030		
Partition	1.018	1.009, 1.027	0.617	0.561, 0.679	0.811	0.729, 0.901	0.554	0.478, 0.642	0.758	0.625, 0.920	-	4 000 4 027
Replacement/substitution	-		0.606	0.551, 0.667	0.796	0.716, 0.886	0.544	0.470, 0.631	0.745	0.614, 0.904	1.018	1.009, 1.027
WOMEN												
Partition	1.026	1.015, 1.037	0.543	0.460, 0.640	0.811	0.734, 0.897	0.342	0.248, 0.470	0.559	0.432, 0.722	_	
		1.015, 1.037		•		•		•		•		1 015 1 027
Replacement/substitution	-		0.529	0.448, 0.624	0.790	0.714, 0.874	0.333	0.242, 0.458	0.544	0.421, 0.704	1.026	1.015, 1.037
Variable Group 3	Sedentary		Light		Moderate-vigorous		Total time					
variable Group 3	HR 95% CI		•		HR 95% CI		HR 95% CI					
ALL Participants	пк	93% CI	пк	9376 CI	пк	9376 CI	пк	9376 CI	-			
Partition	1.021	1.014, 1.028	0.830	0.771, 0.895	0.590	0.554, 0.628	_					
Replacement/substitution	1.021	1.014, 1.028	0.813	0.771, 0.895	0.578	•	1.021	1.014, 1.028				
Replacement/substitution	-		0.013	0.734, 0.677	0.576	0.542, 0.615	1.021	1.014, 1.026				
MEN												
Partition	1.018	1.009, 1.027	0.852	0.764, 0.949	0.617	0.573, 0.664	_					
Replacement/substitution	1.010	1.005, 1.027	0.837	0.750, 0.933	0.606	0.563, 0.653	1.018	1.009, 1.027				
Replacementy substitution	-		0.037	0.730, 0.333	0.000	0.303, 0.033	1.010	1.003, 1.027				
WOMEN												
Partition	1.026	1.015, 1.037	0.802	0.723, 0.889	0.528	0.467, 0.596	_					
Replacement/substitution	1.020	1.013, 1.037	0.802	0.723, 0.869	0.528	0.455, 0.581	1.028	1.017, 1.038				
Replacementy substitution	-		0.762	0.704, 0.000	0.514	0.433, 0.361	1.020	1.017, 1.030				

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,

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

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

Variable Group 1	Sitting		Exercise		Non-exercise		Total time					
	HR	95% CI	HR	95% CI	HR	95% CI	HR	95% CI	_			
<b>ALL Participants</b> Partition	1.016	1.008, 1.023	0.922	0.892, 0.954	1.016	0.996, 1.035	-					
Replacement/substitution	-		0.908	0.877, 0.940	1.000	0.979, 1.021	1.016	1.008, 1.023				
MEN	4 040	0.000 4.000	0.00	0.002.0.000	4 004	1 005 1 057						
Partition Replacement/substitution	1.010 -	0.999, 1.020	0.92 0.911	0.882, 0.960 0.872, 0.952	1.031 1.021	1.006, 1.057 0.994, 1.049	1.010	0.999, 1.020				
WOMEN												
Partition Replacement/substitution	1.024 -	1.013, 1.036	0.933 0.911	0.881, 0.988 0.860, 0.966	0.99 0.966	0.959, 1.021 0.935, 0.999	1.024	1.013, 1.036				
Variable Group 2	Sitting		Exercise		Household		Lawn/garden		Other walking		Total time	
	HR	95% CI	HR	95% CI	HR	95% CI	HR	95% CI	HR	95% CI	HR	95% CI
ALL Participants												
Partition	1.015	1.008, 1.023	0.923 0.909	0.892, 0.955	1.037	1.008, 1.068	0.98	0.940, 1.021 0.925, 1.006	1.008 0.993	0.951, 1.070	-	1 000 1 022
Replacement/substitution	-		0.909	0.878, 0.942	1.022	0.991, 1.053	0.965	0.925, 1.006	0.993	0.936, 1.054	1.015	1.008, 1.023
MEN												
Partition	1.009	0.999, 1.019	0.922	0.884, 0.962	1.08	1.040, 1.122	0.969	0.922, 1.018	1.012	0.935, 1.095	-	
Replacement/substitution	-		0.914	0.875, 0.955	1.071	1.029, 1.114	0.96	0.913, 1.010	1.003	0.926, 1.086	1.009	0.999, 1.019
WOMEN												
Partition	1.024	1.012, 1.036	0.932	0.879, 0.987	0.985	0.942, 1.030	0.986	0.912, 1.067	1.011	0.924, 1.106	_	
Replacement/substitution	-	,	0.91	0.858, 0.965	0.962	0.918, 1.007	0.963	0.890, 1.042	0.987	0.901, 1.081	1.024	1.012, 1.036
Variable Group 3		Sitting	itting Light		Moderate-vigorous		Total time					
variable croup s	HR	95% CI	HR	95% CI	HR	95% CI	HR	95% CI	<u> </u>			
ALL Participants												
Partition	1.015	1.007, 1.023	1.059 1.044	1.021, 1.099	0.973	0.952, 0.995	1.021	1 014 1 020				
Replacement/substitution	-		1.044	1.005, 1.084	0.959	0.937, 0.982	1.021	1.014, 1.028				
MEN												
Partition	1.008	0.997, 1.018	1.139	1.087, 1.194	0.966	0.939, 0.994	-					
Replacement/substitution	-		1.131	1.076, 1.187	0.958	0.930, 0.988	1.008	0.997, 1.018				
WOMEN												
Partition	1.024	1.013, 1.036	0.958	0.904, 1.015	0.985	0.952, 1.020	-					
Replacement/substitution	-		0.935	0.881, 0.992	0.962	0.927, 0.997	1.024	1.013, 1.036				

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.