

Supplemental Table 1. Regression Coefficient of social participation by continuous multimorbidity with interactions by purpose in life and life satisfaction among Health and Retirement Study participants, 2010-2014 and 2012-2016.

Models	Social Participation Score N=12,825			
	Regression coefficient	95% CI	P-value	R ²
Unadjusted				0.025
MWI, continuous	-0.39*	(-0.43, -0.34)	<0.001	
Adjusted ¹				0.21
MWI, continuous	-0.19*	(-0.23, -0.14)	<0.001	
Adjusted ¹ with Purpose in Life				0.27
MWI, continuous	-0.09*	(-0.13, -0.05)	<0.001	
MWI*Purpose in life	0.11*	(0.07, 0.14)	<0.001	
Adjusted ¹ with Life Satisfaction				0.23
MWI, continuous	-0.12*	(-0.16, -0.08)	<0.001	
MWI*Life satisfaction	0.04*	(0.02, 0.07)	<0.001	
Adjusted ¹ with Purpose in Life and Life Satisfaction				0.27
MWI, continuous	-0.07*	(-0.11, -0.03)	0.001	
MWI*Purpose in life	0.10*	(0.05, 0.13)	<0.001	
MWI*Life satisfaction	0.02	(-0.001, 0.05)	0.065	
Adjusted ¹ with 3-Way Interaction Between Purpose in Life, Life Satisfaction, and MWI				0.27
MWI, continuous	-0.07*	(-0.11, -0.03)	<0.001	
MWI*Purpose in life	0.11*	(0.07, 0.15)	<0.001	
MWI*Life satisfaction	0.03*	(0.01, 0.04)	0.014	
MWI*Purpose in life*Life satisfaction	0.02*	(0.01, 0.04)	0.005	

Abbreviations: MWI, multimorbidity-weighted index; CI, confidence interval

¹Adjusted for age, sex, education, household net worth, race/ethnicity, marital status, employment status, and calendar time.