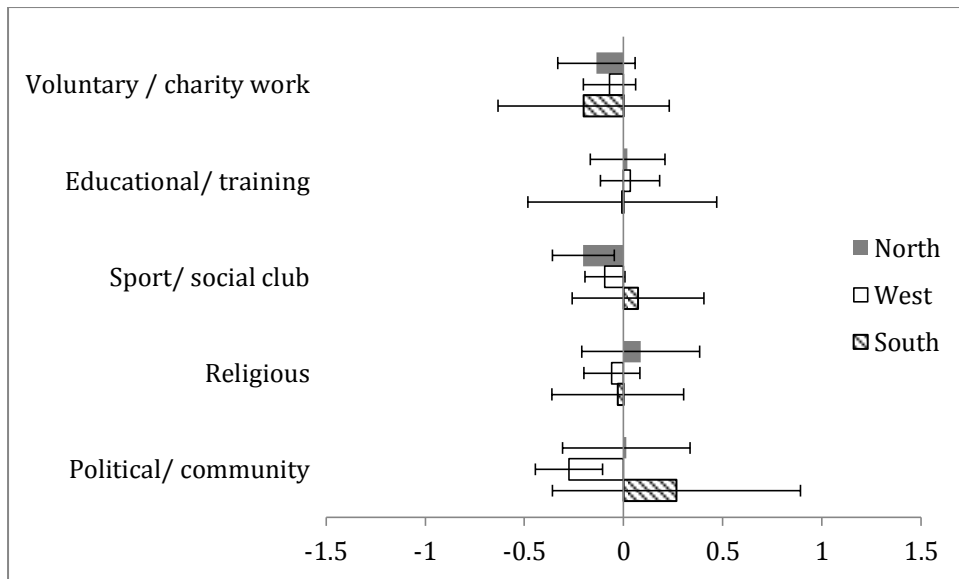


Web Table 1. Contemporary Associations Between Changes in Social Participation and Changes in Depressive Symptom Score Among Respondents Aged 50 Years and Older in the SHARE Longitudinal Sample

	Model 1^a		Model 2^b	
	(n = 15,222)		(n = 12,372)	
	β	Robust 95% CI	β	Robust 95% CI
Voluntary/charity work	-0.098	-0.181, -0.014	-0.097	-0.203, 0.008
Educational/training	-0.023	-0.115, 0.069	0.035	-0.078, 0.149
Sport/social club	-0.126	-0.195, -0.056	-0.102	-0.186, -0.019
Religious	-0.039	-0.140, 0.062	-0.030	-0.152, 0.091
Political/community	-0.124	-0.246, -0.003	-0.170	-0.319, -0.022

^a Model 1: social participation (mutually adjusted), age, and time.

^b Model 2: social participation (mutually adjusted), age, time, household size, marital status, employment status, financial difficulties, self-rated health, long-term illness, limitations (GALI, ADL, IADL), diagnosed heart attack, high blood pressure or hypertension, stroke, diabetes or high blood sugar, and chronic lung disease.



Web Figure 1. Contemporary associations (β with robust 95% CIs) between changes in social participation and changes in depressive symptom score, by European region, among participants aged 50 years and older in the SHARE longitudinal sample ($n = 12,372$).

Web Table 2. Random-Effects Models: Contemporaneous and Lagged Associations Between Changes in Social Participation and Changes in Depressive Symptom Score Among Respondents Aged 50 Years and Older in the SHARE Longitudinal Sample

	Contemporaneous				Lagged			
	Model 1 ^a		Model 2 ^b		Model 1 ^a		Model 2 ^b	
	(n = 15,222)		(n = 12,372)		(n = 9,068)		(n = 7,385)	
	β	Robust 95% CI	β	Robust 95% CI	β	Robust 95% CI	β	Robust 95% CI
Voluntary/charity work	-0.206	-0.267, -0.146	-0.065	-0.131, 0.001	-0.094	-0.170, -0.017	-0.058	-0.145, 0.028
Educational/training	-0.135	-0.208, -0.061	0.014	-0.066, 0.093	-0.146	-0.239, -0.054	-0.047	-0.154, 0.059
Sport/social club	-0.355	-0.406, -0.304	-0.141	-0.196, -0.085	-0.248	-0.316, -0.181	-0.102	-0.181, -0.023
Religious	-0.042	-0.116, 0.032	0.004	-0.075, 0.084	-0.124	-0.221, -0.028	-0.103	-0.212, 0.007
Political/community	-0.258	-0.347, -0.168	-0.170	-0.265, -0.074	-0.100	-0.222, 0.023	0.014	-0.126, 0.153

^a Model 1: social participation (mutually adjusted), age, and time.

^b Model 2: social participation (mutually adjusted), age, time, sex, country, educational level, household size, marital status, employment status, financial difficulties, self-rated health, long-term illness, limitations (GALI, ADL, IADL), diagnosed heart attack, high blood pressure or hypertension, stroke, diabetes or high blood sugar, and chronic lung disease.

Web Table 3. Weighted Fixed-Effects Models: Contemporary and Lagged Associations Between Changes in Social Participation and Changes in Depressive Symptom Score Among Respondents Aged 50 Years and Older in the SHARE Longitudinal Sample

	Contemporaneous				Lagged			
	Model 1 ^a		Model 2 ^b		Model 1 ^a		Model 2 ^b	
	(n = 15,222)		(n = 12,372)		(n = 9,068)		(n = 7,385)	
	β	Robust 95% CI	β	Robust 95% CI	β	Robust 95% CI	β	Robust 95% CI
Voluntary/charity work	-0.071	-0.198, 0.057	-0.030	-0.200, 0.140	-0.004	-0.168, 0.160	-0.072	-0.289, 0.146
Educational/training	0.009	-0.135, 0.153	0.120	-0.047, 0.287	-0.031	-0.238, 0.176	-0.003	-0.252, 0.247
Sport/social club	-0.092	-0.204, 0.021	-0.071	-0.211, 0.069	0.018	-0.121, 0.156	0.006	-0.165, 0.177
Religious/church	-0.111	-0.276, 0.054	-0.107	-0.308, 0.093	-0.144	-0.348, 0.060	-0.120	-0.373, 0.133
Political/community	-0.027	-0.221, 0.167	-0.118	-0.377, 0.140	0.128	-0.135, 0.391	0.172	-0.172, 0.515

^a Model 1: social participation (mutually adjusted), age, and time.

^b Model 2: social participation (mutually adjusted), age, time, household size, marital status, employment status, financial difficulties, self-rated health, long-term illness, limitations (GALI, ADL, IADL), diagnosed heart attack, high blood pressure or hypertension, stroke, diabetes or high blood sugar, and chronic lung disease.

Abbreviations: ADL, activities of daily living; CI, confidence interval; GALI, global activity limitation index; IADL, instrumental activities of daily living; SHARE, Survey of Health, Ageing and Retirement in Europe.