

**Additional File 9. Cross-sectional associations between social network characteristics and global cognitive function with Bonferroni corrected p-values**

Social network measure	Model 1*			Model 2†		
	b	95% CI	P-value‡	b	95% CI	P-value‡
<b>Network size of friends</b>						
None	0.01	-0.05, 0.06	1.000	0.02	-0.03, 0.07	1.000
1 or 2	Reference			Reference		
3 to 5	0.08	0.01, 0.15	1.000	0.08	0.01, 0.14	0.401
More than 5	<b>0.18</b>	<b>0.06, 0.30</b>	<b>0.015</b>	0.13	0.02, 0.24	0.412
<i>P-trend</i>	0.003			0.036		
<b>Network size of relatives</b>						
None	0.00	-0.05, 0.05	1.000	0.01	-0.04, 0.06	1.000
1 or 2	Reference			Reference		
3 to 5	0.04	-0.02, 0.11	0.840	0.05	0.00, 0.11	1.000
More than 5	0.16	0.03, 0.28	0.070	0.12	0.01, 0.24	0.614
<i>P-trend</i>	0.010			0.074		
<b>Contact frequency with friends</b>						
No friends	<b>-0.17</b>	<b>-0.20, -0.05</b>	<b>0.010</b>	0.01	-0.06, 0.09	1.000
Less than once a month	Reference			Reference		
About once a month	0.06	0.01, 0.12	0.105	0.04	-0.01, 0.08	1.000
Several times a month	0.02	-0.03, 0.08	1.000	0.01	-0.05, 0.06	1.000
About once a week	0.01	-0.04, 0.07	1.000	0.03	-0.03, 0.08	1.000
Several times a week	-0.03	-0.10, 0.03	1.000	0.01	-0.05, 0.07	1.000
<i>P-trend</i>	0.490			0.655		
<b>Contact frequency with relatives</b>						
No relatives	-0.01	-0.13, 0.11	1.000	-0.01	-0.13, 0.10	1.000
Less than once a month	Reference			Reference		
About once a month	-0.02	-0.08, 0.05	1.000	0.00	-0.06, 0.06	1.000
Several times a month	<b>0.10</b>	<b>0.04, 0.17</b>	<b>0.010</b>	<b>0.09</b>	<b>0.03, 0.15</b>	<b>0.050</b>
About once a week	0.05	-0.01, 0.11	0.475	0.06	0.00, 0.11	0.696
Several times a week	0.05	-0.01, 0.11	0.405	0.03	-0.03, 0.08	1.000
<i>P-trend</i>	0.017			0.091		
<b>Participation in social activities</b>						
Never or not a member	Reference			Reference		
At least several times a year	<b>0.19</b>	<b>0.12, 0.25</b>	<b>&lt;0.001</b>	0.07	0.01, 0.13	0.320
Several times a month or more	<b>0.22</b>	<b>0.16, 0.29</b>	<b>&lt;0.001</b>	<b>0.10</b>	<b>0.04, 0.16</b>	<b>0.016</b>
<i>P-trend</i>	<0.001			<0.001		

\*Adjusted for country, age and sex.

†Adjusted for country, age, sex, education, household amenities, work status, marital status, smoking status, alcohol drinking frequency, alcohol intake, physical activity, self-rated health, number of chronic diseases and depressive symptoms.

‡P-values after Bonferroni correction for multiple testing. Emboldened estimates were statistically significant (p-value<0.05).