

Loneliness is associated with retrospective self-reports of
adverse childhood experiences – A replication study in Ethiopia

Supplementary Information

Supplementary Table S1: Test Statistics of the Mann-Whitney U Tests

N = 256 (Clinical group N = 125, non-clinical group N = 131)

	Mann-Whitney U	Wilcoxon W	Z	p (two-tailed)
UCLA	5344,500	13990,500	-4,833	< 0.001
SNI	7023,000	14898,000	-1,968	0.049
Total CTQ	5849,500	14495,500	-3,953	< 0.001
Emotional abuse	7544,000	16190,000	-1,126	0.260
Emotional neglect	5739,000	14385,000	-4,150	< 0.001
Physical abuse	7127,500	15773,500	-2,146	0.032
Physical neglect	6541,500	15187,500	-2,837	0.005
Sexual abuse	7311,000	15957,000	-1,774	0.076

Supplementary Table S2: Mediation analysis outcomes

	Coefficient	SE	t	p	95% CI		R ²
					lower	upper	
Clinical group (N = 125)							
Total effect of ACE on depression: c	0.1437	0.0529	2.7164	0.0076	0.0390	0.2484	0.0789
Direct effect of ACE on depression: c'	0.0720	0.0378	2.7164	0.0589	-0.0028	0.1468	0.4124
Effect of ACE on loneliness: a ₁	0.1991	0.0810	2.4601	0.0153	0.0389	0.3594	0.0558
Effect of loneliness on depression: b ₁	0.3527	0.0483	7.3087	<0.0001	0.2572	0.4483	0.4124
Effect of ACE on social network size: a ₂	-0.0600	0.0887	-0.6760	0.5003	-0.2356	0.1156	0.0031
Effect of social network size on depression: b ₂	-0.0238	0.0342	-0.6955	0.4881	-0.0914	0.0439	0.4124
Indirect effect of ACE on depression via loneliness: a ₁ b ₁	0.0703	0.0293			0.0203	0.1348	
Indirect effect of ACE on depression via social network size: a ₂ b ₂	0.0014	0.0045			-0.0038	0.0143	

Non-clinical group (N = 131)

Total effect of ACE on depression: c	0.0721	0.0338	2.1335	0.0348	0.0052	0.1390	0.0475
Direct effect of ACE on depression: c'	0.0409	0.0316	1.2948	0.1977	-0.0216	0.1034	0.1162
Effect of ACE on loneliness: a_1	0.2508	0.0600	4.1832	0.0001	0.1322	0.3695	0.1204
Effect of loneliness on depression: b_1	0.1254	0.0548	2.2888	0.237	0.0170	0.2338	0.1162
Effect of ACE on social network size: a_2	-0.0336	0.0816	-0.4115	0.6814	-0.1950	0.1279	0.0010
Effect of social network size on depression: b_2	0.0065	0.0262	0.2469	0.8054	-0.0453	0.0582	0.1162
Indirect effect of ACE on depression via loneliness: a_1b_1	0.0315	0.0165			0.0063	0.0714	
Indirect effect of ACE on depression via social network size: a_2b_2	-0.0002	0.0022			-0.0050	0.0048	
