

Supplementary Materials

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Table S1

Pairwise contrasts between conditional indirect effects for Neuroticism-Loneliness-Impact of Well-being mediation model with Perceived friend support and Gender as moderators.

Effect 1	Effect 2	Contrast (se)	95% Bootstrap CI
0.121	-0.002	0.122	[-0.273, 0.569]
0.049	-0.002	0.051	[-0.091, 0.215]
0.351	-0.002	0.353	[-0.007, 0.773]
0.093	-0.002	0.095	[-0.171, 0.408]
0.664	-0.002	0.666	[0.084, 1.249]
0.049	0.121	-0.072	[-0.481, 0.302]
0.351	0.121	0.230	[-0.026, 0.481]
0.093	0.121	-0.027	[-0.458, 0.375]
0.664	0.121	0.544	[-0.100, 1.146]
0.351	0.049	0.302	[-0.042, 0.685]
0.093	0.049	0.044	[-0.080, 0.200]
0.664	0.049	0.615	[0.051, 1.174]
0.093	0.351	-0.257	[-0.660, 0.114]
0.664	0.351	0.313	[-0.077, 0.676]
0.664	0.093	0.571	[-0.012, 1.150]

Note. Contrast = Effect 1 minus effect 2

CI = confidence interval.

Values show adjusted results with age, education level and isolation status included as covariates.

Table S2

Conditional indirect effects of neuroticism on well-being impact via loneliness at levels of perceived friend support and gender

Perceived friend support	Gender	<i>b</i> coefficient	Boot se	95% Bootstrap CI
−1.410	Women	−0.002	0.129	[−0.286, 0.231]
−1.410	Men	0.121	0.167	[−0.195, 0.450]
0.00	Women	0.049	0.109	[−0.175, 0.253]
0.00	Men	0.351	0.150	[0.063, 0.651]
1.410	Women	0.093	0.132	[−0.174, 0.356]
1.410	Men	0.664	0.271	[0.136, 1.194]

Note. Low, mean and high levels of perceived support are shown as 1SD below the mean, mean and +1SD above the mean.

CI = confidence interval.

Values show adjusted results with age, education level and isolation status included as covariates.

Table S3

Conditional Effects (Mean, \pm 1SD) on loneliness of Neuroticism at Values of the Moderators

Moderator values		<i>b</i>	<i>se</i>	<i>t</i>	<i>p</i>	95% <i>CI</i>	
Support friends	Gender					LL	UL
−1.410	Women	0.649	0.069	9.431	<0.001	0.514	0.785
−1.410	Men	0.470	0.083	5.653	<0.001	0.307	0.634
0.00	Women	0.611	0.049	12.346	<0.001	0.514	0.708
0.00	Men	0.595	0.068	8.758	<0.001	0.462	0.729
1.410	Women	0.572	0.066	8.667	<0.001	0.442	0.702
1.410	Men	0.720	0.094	7.667	<0.001	0.536	0.905

Note: Gender values assigned as women = 0; men = 1.

Values show adjusted results when age, education level and isolation status are included as covariates.

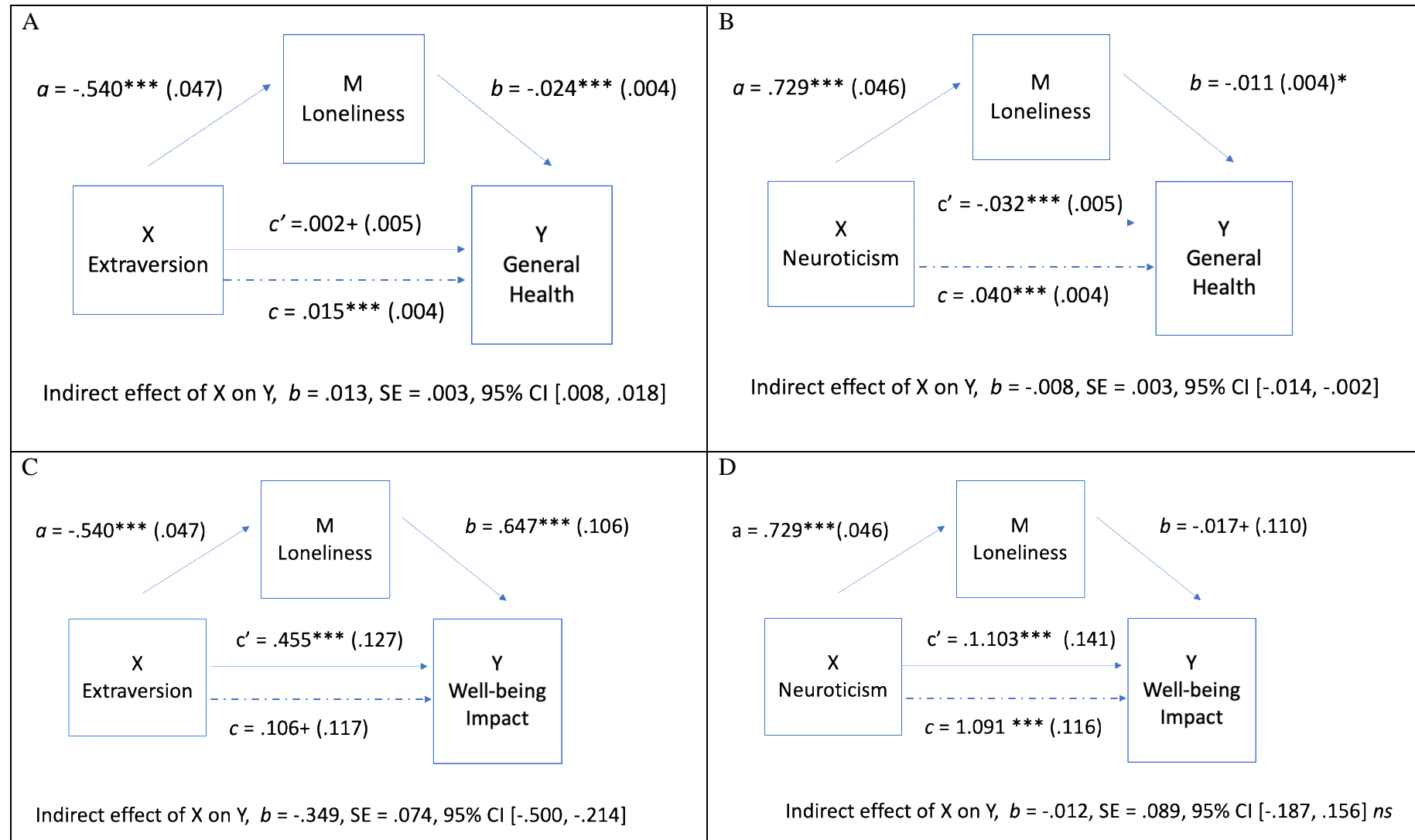
Table S4Conditional Effects (Mean, \pm 1SD) on well-being impact of Neuroticism at Values of the Moderators

Moderator values		b	se	t	p	95% <i>CI</i>	
Support friends	Gender					LL	UL
-1.410	Women	0.742	0.247	3.007	=0.003	0.257	1.226
-1.410	Men	1.059	0.297	3.564	<0.001	0.475	1.643
0.00	Women	1.045	0.183	5.719	<0.001	0.686	1.403
0.00	Men	0.476	0.250	1.907	=0.057	-0.014	0.967
1.410	Women	1.348	0.242	5.568	<0.001	0.782	1.823
1.410	Men	-0.106	0.388	-0.274	=0.784	-0.870	0.657

Note: Gender values assigned as women = 0; men = 1.

Values show adjusted results when age, education level and isolation status are included as covariates.

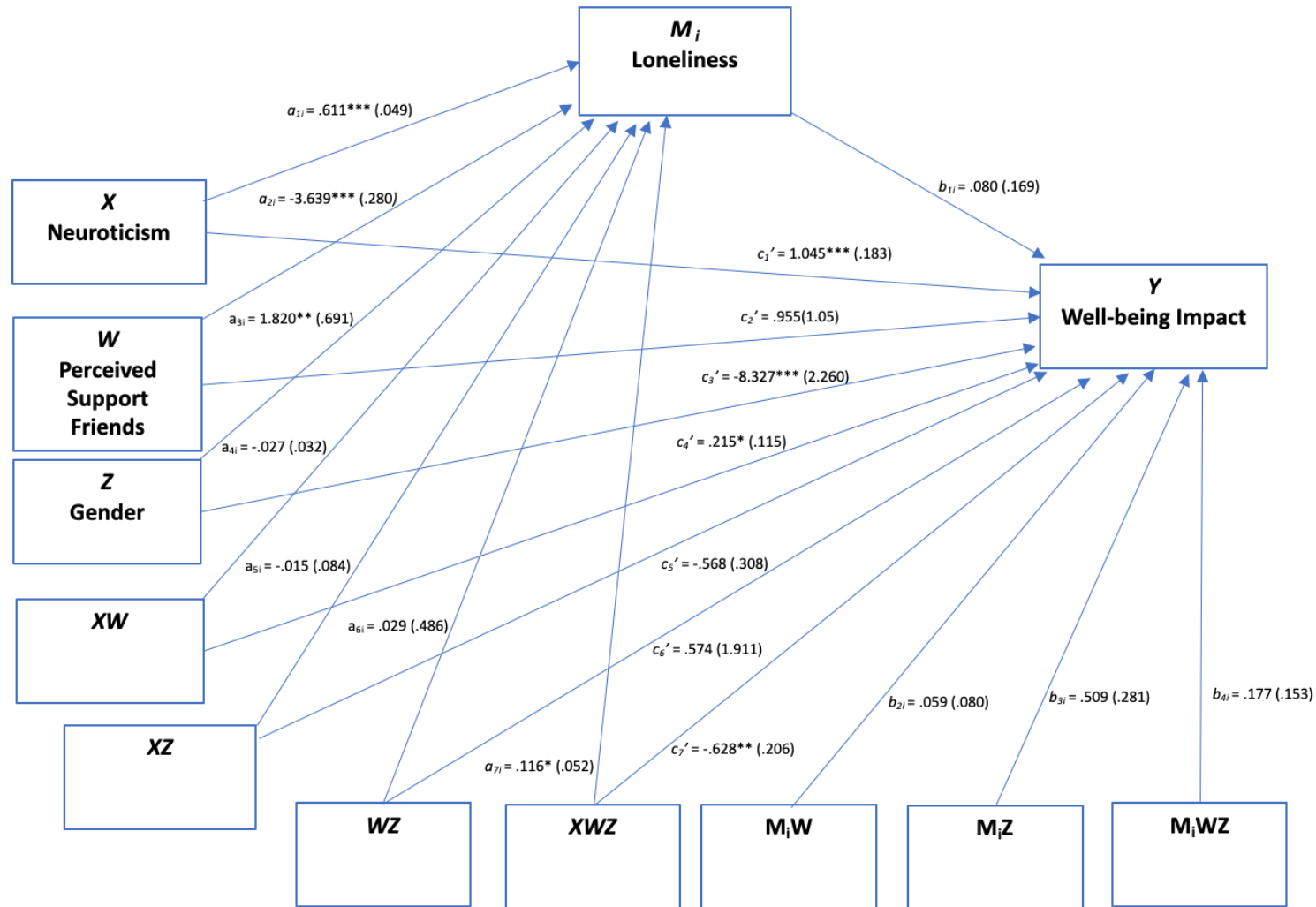
Figure S1. Path Coefficients for Simple Mediation Analysis with Loneliness as a Mediator of Personality on Self-Reported Health



Note: Adjusted models shown with covariates of age, education level and isolation status

Figure S2

Full statistical model for mediation of neuroticism on well-being impact via loneliness with perceived friend support and gender as moderators



Note. Values show adjusted b coefficient (se) when age, education level and isolation status are included as covariates.

Covariate main effects with loneliness: age, education level, isolation, all ns; well-being impact: age, ns; education level, $p = 0.01$; isolation status, $p = 0.046$

* $p \leq 0.05$, ** $p < 0.01$, *** $p < 0.001$