

The impact of mental health on persisting long COVID – a longitudinal study over the course of the pandemic

Additional File 1

Table S1

Average Scores of Mental Health Parameters in the Full Sample (N = 987)

Variable	M (SD)	Range
Adjustment Disorder		
T1	16.20 (6.29)	8 – 32
T2	17.43 (6.51)	8 – 32
T3	16.19 (6.31)	8 – 32
T5	15.70 (6.08)	8 – 32
Depression		
T1	1.59 (1.48)	0 – 6
T2	1.85 (1.56)	0 – 6
T3	1.51 (1.52)	0 – 6
T5	1.42 (1.40)	0 – 6
Anxiety Disorder		
T1	1.30 (1.52)	0 – 6
T2	1.62 (1.64)	0 – 6
T3	1.39 (1.55)	0 – 6
T5	1.31 (1.44)	0 – 6
Levels of Well-Being		
T1	53.71 (22.38)	0 – 100
T2	48.02 (23.38)	0 – 100
T3	51.96 (23.70)	0 – 100
T5	51.31 (22.41)	0 – 100
Number of LCS	2.11 (2.71)	0 – 12

Note. LCS = Long COVID Symptoms.

Table S2

Long COVID Symptom Prevalences in Participants with Ongoing LCS

Symptom	%
Dyspnea	51.38
Exercise intolerance	56.88
Cough	34.86
Tachycardia	27.06
Fatigue	81.19
Joint or muscular pain	38.07
Impaired smell	21.56
Impaired balance or fine motor skills	17.89
Difficulties finding words	36.70
Difficulties concentrating	33.94
Anxiety or difficulty sleeping	35.32
Feeling listless, disinterested or alone	52.75
Trouble controlling emotions	13.30
Ongoing preoccupation with experiences related to the infection	5.50

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Table S3

Comparison of Fit Indices in Growth Curve Models for Adjustment Disorder

Model	AIC	BIC	LL
Time as Factor	24524.4926	24656.2747	-12241.2463
Linear Model	24557.4436	24651.5736	-12263.7218
Time Contrast Coded	24524.4926	24656.2747	-12241.2463

Note. Values are aggregated AIC, BIC and LL from all 30 imputation; AIC = Akaike information criterion, lower values indicate a better model fit; BIC = Bayesian information criterion, lower values indicate a better model fit; LL = Log Likelihood, less negative values indicate a better model fit.

Table S4

Comparison of Fit Indices in Growth Curve Models for Depression

Model	AIC	BIC	LL
Time as Factor	13029.4974	13161.277	-6493.7487
Linear Model	13052.3842	13146.5128	-6511.1921
Time Contrast Coded	13029.4974	13161.277	-6493.7487

Note. Values are aggregated AIC, BIC and LL from all 30 imputation; AIC = Akaike information criterion, lower values indicate a better model fit; BIC = Bayesian information criterion, lower values indicate a better model fit; LL = Log Likelihood, less negative values indicate a better model fit.

Table S5

Comparison of Fit Indices in Growth Curve Models for Anxiety

Model	AIC	BIC	LL
Time as Factor	12983.2099	13064.7886	-6478.6049
Linear Model	13025.4376	13119.5662	-6497.7188
Time Contrast Coded	12982.9235	13077.0521	-6476.4617

Note. Values are aggregated AIC, BIC and LL from all 30 imputation; AIC = Akaike information criterion, lower values indicate a better model fit; BIC = Bayesian information criterion, lower values indicate a better model fit; LL = Log Likelihood, less negative values indicate a better model fit.

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Table S6

Comparison of Fit Indices in Growth Curve Models for Levels of Well-Being

Model	AIC	BIC	LL
Time as Factor	33952.54	34084.32	-16955.2716
Linear Model	34026.215	34120.339	-16998.1077
Time Contrast Coded	33952.54	34084.32	-16955.2716

Note. Values are aggregated AIC, BIC and LL from all 30 imputation; AIC = Akaike information criterion, lower values indicate a better model fit; BIC = Bayesian information criterion, lower values indicate a better model fit; LL = Log Likelihood, less negative values indicate a better model fit.

Table S7

Regression Coefficients of Covariates in Model 0

Variable	Model 0		
	<i>B</i>	<i>SE</i>	<i>t</i>
Constant	-0.935	0.921	-1.015
Gender	0.540*	0.245	2.206
Age	0.012	0.008	1.362
Vaccination	0.281*	0.138	2.036
Income	-0.032	0.113	-0.281
Severity of Infection	1.108***	0.190	5.817
Prior Disorder	1.000	0.291	1.047
Present Disorder	2.000**	1.146	2.781
LCS persistence ^a	1.429***	0.207	6.911
<i>R</i> ²	.187		

^a LCS persistence assessed the persistence of long COVID symptoms from 0 (symptoms no longer present) to 2 (all symptoms still present).