

Supplemental material

The examined LGBTQIA+ sample is made up of diverse subgroups with different needs, difficulties, and strengths. To take this into account, an exploratory invariance analysis was performed to test whether a correlated factor structure of well-being and distress is applicable to different subgroups. Thus, Table S1 in the supplementary material can be understood as a deepening of the findings from the paper. Table S2 provides information on the manifest correlations between the mental health outcomes and correlates that were analyzed as a requirement for the structural equation models.

Table S1

Exploratory invariance analysis concerning the applicability of a correlated two-factor structure between subgroups of the LGBTQIA+ sample

Model	χ^2	p	df	χ^2/df	CFI	RMSEA	RMSEA [CI]	ΔCFI	$\Delta RMSEA$	$TRd/\Delta df$	p
Configural invariance	5221.84	< .001	2406	2.17	.898	.068	[.066-.071]	-	-	-	-
Metric invariance	5364.14	< .001	2546	2.11	.898	.066	[.064-.069]	.000	.002	142.30 (140)	.430
Scalar invariance	5660.10	< .001	2671	2.12	.892	.067	[.064-.069]	.006	.001	295.96 (125)	< .001
Strict invariance	5930.97	< .001	2821	2.10	.887	.066	[.064-.068]	.005	.001	270.87 (150)	< .001

Note. Measurement invariance was determined based on a model with a latent factor representing well-being, defined by the items of the

Positive Mental Health Scale, and a latent factor representing psychological distress, defined by the subscales of the DASS-21. The latent factors

were allowed to covary. Structural equation modeling was conducted with maximum likelihood estimation. Only LGBTQIA+ subgroups with a

sample size of $n > 100$ were included in this analysis (*Cisgender sexual minorities*: lesbian $n = 555$, gay $n = 142$, plurisexual $n = 328$, no

label/unsure $n = 125$; *Gender minorities*: trans (binary gender) $n = 159$, nonbinary $n = 207$). χ^2 = Chi-Square; df = degrees of freedom; CFI =

comparative fit index; RMSEA = root mean square error of approximation; CI = confidence interval.

Table S2*Descriptive statistics and correlations*

	1	2	3	4	5	6	7	8	9	10	11	12
1. PMH		-.74	-.76	-.59	-.63	.63	.52	.73	-.26	-.29	-.15	-.10
2. DASS-Total	-.73		.91	.87	.90	-.51	-.40	-.60	.22	.32	.23	.14
3. DASS-Dep	-.75	.91		.69	.73	-.53	-.43	-.58	.23	.29	.19	.13
4. DASS-Anx	-.57	.88	.68		.70	-.42	-.31	-.50	.18	.28	.24	.16
5. DASS-Stress	-.63	.90	.72	.69		-.42	-.31	-.54	.19	.29	.21	.10
6. Self-esteem	.64	-.51	-.53	-.40	-.42		.44	.59	-.26	-.25	-.11	-.02
7. Social support	.49	-.37	-.42	-.28	-.29	.43		.45	-.23	-.24	-.08	-.08
8. Resilience	.74	-.60	-.58	-.49	-.55	.59	.42		-.18	-.21	-.09	-.04
9. Internalized stigma	-.27	.24	.24	.20	.20	-.26	-.22	-.19		.42	.14	.04
10. Vigilance	-.27	.33	.28	.30	.30	-.25	-.22	-.21	.42		.38	.20
11. Discrimination	-.19	.27	.21	.28	.23	-.13	-.10	-.13	.18	.43		.42
12. Victimization	-.11	.17	.15	.19	.11	-.05	-.08	-.07	.07	.21	.47	

Note. Pearson's r displayed below the diagonal/Spearman's ρ above the diagonal; PMH = Positive Mental Health Scale; DASS = Depression Anxiety Stress Scales. All values above +/- .05 were $p < .001$.