Table S2. Formulas for the reliability indices.

Reliability coefficient	Formula	Reference
Alpha	$\frac{J}{J-1}\left[1-\frac{\sum_{1\le i\ne k\le J}^{J}(\sigma_{ik})}{\sigma_X^2}\right]$	[31]
Omega total	$\frac{\left(\sum_{i=1}^{J}\lambda_i\right)^2}{\left(\sum_{i=1}^{J}\lambda_i\right)^2+\sum_{i=1}^{J}\sigma_{\varepsilon i}^2}$	[35]
Omega hierarchical	$\frac{\left(\sum_{i=1}^{J}\lambda_i^{(g)}\right)^2}{\left(\sum_{i=1}^{J}\lambda_i^{(g)}\right)^2+\sum_{i=1}^{J}\sigma_{\varepsilon i}^2+\left(\sum_{i=1}^{J_1}\lambda_i^{(s_1)}\right)^2+\cdots+\left(\sum_{i=1}^{J_p}\lambda_i^{(s_p)}\right)^2}$	[35]
Omega subscale	$\frac{\left(\sum_{i=1}^{J_h}\lambda_i^{(s_h)}\right)^2}{\left(\sum_{i=1}^{J_h}\lambda_i^{(g)}\right)^2+\sum_{i=1}^{J_h}\sigma_{\varepsilon i}^2+\left(\sum_{i=1}^{J_h}\lambda_i^{(s_h)}\right)^2}$	[75]

Note. Formulas for the reliability indices are computed depending on the measurement model. J = Number of items; σ_{ik}= Covariance between item i and item k; σ_X^2 = Test variance; λ_i = Factor loading for item i; $\sigma_{\varepsilon i}^2$ = Error variance for item i; $\lambda_i^{(g)}$= Factor loading of item i on the general factor g; $\lambda_i^{(s_1)}$ ..., $\lambda_i^{(s_h)}$, ... $\lambda_i^{(s_p)}$= Factor loadings of item i on the specific factors s_1, ..., s_h, ..., s_p; and the specific factors comprise J_1, ..., J_h, ..., J_p items.