

Additional File 2

Table S1. Measurement invariance across patient group and healthy group

Model	$SB\chi^2$	df	CFI	RMSEA	SRMR	Model Comparison	$\Delta\chi^2$	Δdf	ΔCFI	$\Delta RMSEA^a$	$\Delta SRMR$	p
Configural	115.624	80	.974	.055 [.030, .076]	.041							
Metric	159.509	88	.948	.074 [.055, .092]	.074	Configural vs. Metric	43.885	8	.026	.019	.033	<.001

Note. SB = Satorra-Bentler scaled statistic. CFI = robust Comparative Fit Index. RMSEA = robust Root Mean Square Error of Approximation. SRMR = robust Standardized Root Mean Square Residual.

^aRMSEA with 90%-confidence interval

Validation of the CGSQ-SF11

Table S2. Incremental variance in stress, anxiety, depression, and family-related quality of life (standardized beta values)

	Patient group					Healthy group			
Outcome variable	PSS	GAD	PHQ	FLQ		PSS	GAD	PHQ	FLQ
Step 1	$R^2 = .387$	$R^2 = .333$	$R^2 = .343$	$R^2 = .378$	Step 1	$R^2 = .416$	$R^2 = .354$	$R^2 = .418$	$R^2 = .536$
Caregiver's age	-.034	-.010	-.048	-.060	Caregiver's age	-.008	-.010	-.049	-.121
Caregiver's sex (m) ^a	.075	-.020	.010	.149	Caregiver's sex (m) ^a	-.030	.112	.083	.330
Caregiver's sex (f) ^a	.129	.049	.101	.069	Caregiver's sex (f) ^a	-.006	.118	.111	.288
Child's age	-.042	-.070	-.001	.166**	Child's age	-.023	-.006	.003	.290***
Child's sex (m) ^a	.445	.701	.228	-.004					
Child's sex (f) ^a	.393	.688	.326	.073	Child's sex	-.047	-.103	-.130*	.117*
SES	-.107*	-.137**	-.148***	.218***	SES	-.148**	-.154**	-.241***	.179***
PSI-SF	.583***	.511***	.520***	-.488***	PSI-SF	.609***	.547***	.543***	-.610***
Step 2	$R^2 = .461$	$R^2 = .402$	$R^2 = .397$	$R^2 = .431$	Step 2	$R^2 = .427$	$R^2 = .391$	$R^2 = .466$	$R^2 = .555$
	$\Delta R^2 =$	$\Delta R^2 =$	$\Delta R^2 =$	$\Delta R^2 =$		$\Delta R^2 = .011$	$\Delta R^2 =$	$\Delta R^2 =$	$\Delta R^2 = .019^*$
	.074***	.069***	.054***	.053***			.037***	.048***	
Caregiver's age	-.046	-.018	-.050	-.055	Caregiver's age	-.031	-.048	-.094	-.095
Caregiver's sex (m) ^a	.096	.001	.024	.136	Caregiver's sex (m) ^a	-.043	.069	.056	.320
Caregiver's sex (f) ^a	.119	.040	.098	.074	Caregiver's sex (f) ^a	-.009	.098	.104	.267
Child's age	-.056	-.082	-.015	.181***	Child's age	.013	.017	.048	.250***
Child's sex (m) ^a	.539	.789*	.424	-.103					
Child's sex (f) ^a	.520	.809*	.438	-.053	Child's sex	-.037	-.098	-.118*	.108*
SES	-.091*	-.118**	-.142***	.209***	SES	-.145**	-.134*	-.229***	.176***
PSI-SF	.393***	.340***	.465***	-.431***	PSI-SF	.635***	.525***	.586***	-.623***
CGSQ – objective	-.031	-.017	-.047	.031	CGSQ – objective	.029	-.058	-.034	-.058
CGSQ – ext. Subj.	-.084	-.082	-.166**	.180***	CGSQ – ext. Subj.	-.162**	-.234**	-.289***	.175**
CGSQ – int. Subj.	.376***	.344***	.274***	-.287***	CGSQ – int. Subj.	.083	.294*	.234	-.090

Note. M = male. F = female. SES = socioeconomic status. PSI-SF = Parenting Stress Index. CGSQ = Caregiver Strain Questionnaire. Ext. subj. = external subjective strain. Int. subj. = internal subjective strain. PSS-10 = Perceived Stress Scale-10. GAD-7 = Generalized Anxiety Disorder Screener. PHQ-8 = Patient Health Questionnaire. FLQ = Family-related Life Quality Questionnaire.

^aSex was dummy-coded

* indicates $p < .05$. ** indicates $p < .01$. *** indicates $p < .001$.