Table 1: Results of CFAs testing nine competing models for the ChPVAQ

Model	S-Bχ^2	df	P value	CFI	NNFI	RMSEA	90% CI
1. One-factor Model	143.90	65	<0.001	0.85	0.83	0.08	0.06, 0.09
2. Three-factor correlated model[a]	191.75	101	<0.001	0.87	0.84	0.07	0.05, 0.08
3. Four-factor hierarchical model[a]	187.45	100	<0.001	0.87	0.85	0.07	0.05, 0.08
4. Two-factor correlated model[b]	198.24	103	<0.001	0.86	0.84	0.07	0.05, 0.08
5. Three-factor hierarchical model[b]	191.85	101	<0.001	0.87	0.84	0.06	0.05, 0.08
6. Two-factor correlated model[c]	144.08	76	<0.001	0.89	0.87	0.07	0.05, 0.08
7. Three-factor hierarchical model[c]	134.48	74	<0.001	0.90	0.88	0.06	0.05, 0.08
8. Two-factor correlated model[d]	104.70	64	<0.001	0.93	0.91	0.06	0.03, 0.07
9. Three-factor hierarchical model[d]	100.42	62	<0.001	0.93	0.91	0.05	0.03, 0.07

Note: ChPVAQ: The Chinese version of the Pain Vigilance and Awareness Questionnaire; S-Bχ^2: Satorra and Bentler scaled chi-square statistics; *df*: Degree of freedom; CFI: Comparative fit index; NNIF: Non-Normed fit index; RMSEA: Root mean square error of approximation; CI: Confidence interval.
[a] Based on the three-factor model of the PVAQ-16 reported by McWilliams and Asmundson.[2]
[b] Based on the two-factor model of the PVAQ-16 reported by Roelofs et al.[3]
[c] Based on the two-factor model of the PVAQ-14 reported by Roelofs et al.[4]
[d] Based on the two-factor model of the PVAQ-13 reported by McCracken.[5]

Table 2: Internal consistency, means (standard deviations), and correlations of the ChPVAQ-13 scales with concurrent measures of depression, catastrophizing thinking, pain intensity, and disability

| ChPVAQ-13 Scales | Number of item | Mean (SD) | Cronbach α | Pearson's Correlation | | | | |
				Depression[a]	Anxiety[b]	Pain-related Fear[c]	Pain Intensity[d]	Disability[e]
Passive Awareness	6	21.55 (6.92)	0.76	0.22**	0.27**	0.33**	0.88**	0.88**
Active Vigilance	7	12.99 (6.90)	0.75	0.24**	0.35**	0.37**	0.17**	0.18**
Total	13	34.50 (12.14)	0.77	0.27**	0.35**	0.39**	0.25**	0.24**

Note: ChPVAQ-13: The Chinese version of the 13-item Pain Vigilance and Awareness Questionnaire; SD: Standard deviation.

[a] Indexed by the HADS depression subscale; scores range from 0-21 with higher scores indicating higher level of depressive symptoms.

[b] Indexed by the HADS anxiety subscale; scores range from 0-21 with higher scores indicating higher level of anxiety symptoms.

[c] Indexed by the ChTSK11; scores range from 11-44 with higher scores indicate higher level of fear of movement/(re)injury.

[d] Indexed by the CPG Characteristics Pain Intensity Score; scores range from 0-100 with higher scores indicating higher pain intensity.

[e] Indexed by the CPG Disability Score; scores range from 0-100 with higher scores indicating greater level of disability.

*$p<0.05$; **$p<0.01$.

Table 3: Hierarchical multiple regression analyses predicting concurrent depression, pain intensity, and pain disability with the ChPVAQ-13 scales

	Depression			Pain Intensity			Pain Disability		
	Std β	SE	95% CI	Std β	SE	95% CI	Std β	SE	95% CI
1. Socio-demographic variables									
Gender	---	---	---	0.13	2.65	-0.61, 9.88	-0.19**	0.28	-1.29, -0.20
Age	---	---	---	0.19*	1.29	0.78, 5.86	---	---	---
Household income	-0.25**	0.24	-1.26, -0.32	-0.11	1.07	-0.36, 0.58	---	---	---
Marital status	-0.03	0.45	-1.08, 0.70	---	---	---	-0.03	0.21	-0.52, 0.32
Employment status	---	---	---	0.06	0.82	-0.97, 2.25	0.21**	0.08	0.08, 0.40
R^2	0.09			0.13			0.07		
ΔR^2	0.09			0.13			0.07		
ΔF	8.45**			6.00**			4.44**		
2. Pain variables									
Pain duration	-0.02	0.05	-0.12, 0.09	0.07	0.24	-0.25, 0.69	-0.12	0.03	-0.10, 0.01
Number of pain sites	0.09	0.23	-0.19, 0.73	0.06	1.06	-1.34, 2.83	0.08	0.11	-0.10, 0.33
R^2	0.10			0.14			0.08		
ΔR^2	0.01			0.02			0.01		
ΔF	0.89			1.47			1.24		
3. Pain-related fear	0.11	0.06	-0.04, 0.21	0.12	0.28	-0.13, 0.98	0.09	0.03	-0.02, 0.09
R^2	0.15			0.17			0.11		
ΔR^2	0.04			0.03			0.03		
ΔF	8.29**			5.68*			5.61*		
4. ChPVAQ-13 scales									
Passive Awareness	0.17*	0.05	0.01, 0.21	0.09	0.23	-0.21, 0.69	0.24**	0.02	0.02, 0.11
Active Vigilance	0.19*	0.05	-0.01, 0.21	0.08	0.22	-0.23, 0.64	0.02	0.02	-0.05, 0.05
R^2	0.23			0.19			0.15		
ΔR^2	0.08			0.02			0.05		
ΔF	8.50**			1.93			5.40**		

Note: ChPVAQ-13: The Chinese version of the 13-item Pain Vigilance and Awareness Questionnaire; Depression was indexed by the Hospital Anxiety and Depression Scale – Depression subscale; Characteristic Pain Intensity was indexed by the CPG Characteristic Pain Intensity score, with scores ranging from 0-100 and higher scores indicating higher pain intensity; Pain Disability was indexed by the CPG Disability score with scores ranging from 0-100 and higher scores indicating greater level of disability; Pain-related fear was indexed by the Chinese version of the 11-item Tempa Scale for Kinesiophobia; Std β: Standardized beta coefficient; *SE*: Standard error; CI: Confidence interval; Δ: Change.
*$p<0.05$; **$p<0.01$; ***$p<0.001$.