

Table 1: Pain characteristics of the sample

Pain Characteristics	%
Number of pain sites; M (SD)	1.89 (1.44)
1	51.4
2	26.9
3-5	19.3
≥6	2.5
Pain site	
Head	2.9
Neck	13.0
Shoulder	20.7
Hand	26.9
Chest	1.9
Upper back	9.1
Low back	28.8
Pelvis	13.5
Knee	14.9
Leg	37.0
Joint	13.9
Muscle	2.4
Nerve	1.9
Others	1.4
Pain duration (years); M (SD)	4.15 (5.83)
≥ 3 months - 2 years	54.3
> 2 years - 5 years	23.1
> 5 years - 10 years	14.4
> 10 years	8.2
Pain intensity^a; M (SD)	
Present pain	3.98 (2.70)
Average pain	5.40 (2.16)
Worst pain	7.54 (2.38)
Pain interference^b; M (SD)	
Daily activities	5.82 (2.98)
Social activities	5.00 (3.40)
Working ability	5.79 (3.36)
Pain associated disability (days); M (SD)	25.38 (38.10)
Chronic Pain Grade classification^c	
Grade Zero	0.5
Grade I	24.0
Grade II	23.0
Grade III	26.5
Grade IV	26.0
PCS; M (SD)	29.00 (14.30)
CES-D; M (SD)	17.99 (14.06)

Note: Figures are percentages unless otherwise stated; The pain intensity and pain interference scores were drawn from individual items of the Chronic Pain Grade questionnaire. PCS: Pain Catastrophizing Scale; CES-D: Center for Epidemiological Studies – Depression Scale.

^a Scores range from 0-10; higher scores indicate higher intensity of pain.

^b Scores range from 0-10; higher scores indicate higher level of interference.

^c Grade Zero: Pain free; Grade I: low disability-low intensity; Grade II: low disability-high intensity; Grade III: high disability-moderately limiting; Grade IV: high disability-severely limiting.

Table 2: Results of CFAs testing factorial validity of ChPBPI scales

Model	S-Bχ^2	<i>df</i>	<i>P</i> value	CFI	NFI	RMSEA	90% CI
1. Mystery	1.67	2	0.434	0.99	0.99	0.00	0.00, 0.13
2. Permanence	21.40	5	0.001	0.92	0.92	0.13	0.07, 0.18
3. Constancy	7.74	2	0.020	0.94	0.92	0.12	0.04, 0.21
4. Self-blame	2.10	2	0.348	0.99	0.97	0.02	0.00, 0.14

Note: ChPBPI: The Chinese version of the Pain Beliefs and Perceptions Inventory; S-B χ^2 : Satorra and Bentler scaled chi-square statistics; *df*: Degree of freedom; CFI: Comparative fit index; NFI: Normed fit index; RMSEA: Root mean square error of approximation; CI: Confidence interval.

Table 3: Internal consistency and means (standard deviations), and correlation of ChPBPI scales with criterion variables

	Cronbach α	Mean (SD)	Pearson's Correlation						
			Permanence	Constancy	Self-blame	Depression	Catastrophizing Thinking	Pain Intensity	Pain Disability
Mystery	0.65	2.14 (1.13)	0.28**	0.44*	0.28**	0.42**	0.46**	0.41**	0.31**
Permanence	0.76	1.86 (1.08)	---	0.45**	0.05	0.31**	0.13	0.28**	0.19**
Constancy	0.60	2.31 (0.93)		---	0.26**	0.44**	0.44**	0.47**	0.41**
Self-blame	0.63	1.03 (1.05)			---	0.30**	0.40**	0.19**	0.16*

Note: ChPBPI: The Chinese version of the Pain Beliefs and Perceptions Inventory; SD: Standard deviation; Depression was indexed by CES-D, with scores ranging from 0-60 and higher score indicating higher level of depressive symptoms; Catastrophizing thinking was indexed by PCS, with scores ranging from 0-52 and higher scores indicating more frequent pain catastrophizing thinking; Pain intensity was indexed by the CPG Characteristics 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.

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

Table 4: Hierarchical multiple regression analyses predicting concurrent depression, pain intensity, and pain disability with the ChPBPI 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	---	---	---	0.12*	2.49	0.11, 9.95	---	---	---
Age	---	---	---	0.02	0.12	-0.20, 0.26	---	---	---
Marital status	---	---	---	---	---	---	0.09	1.98	-0.97, 6.85
Household income	-0.10	0.40	-1.52, 0.07	---	---	---	---	---	---
Education level	-0.09	0.66	-2.28, 0.32	-0.16*	1.05	-4.80, -0.67	-0.12	1.53	-5.74, 0.28
Employment status	0.13*	0.43	0.14, 1.83	0.08	0.68	-0.47, 2.20	---	---	---
R^2	0.09			0.13			0.05		
ΔR^2	0.09			0.13			0.05		
ΔF	6.24***			6.98***			4.99**		
2. Pain variables									
Pain duration	-0.14*	0.90	-3.85, -0.30	-0.14*	1.34	-5.59, -0.31	-0.24***	1.98	-11.02, -3.22
Number of pain sites	0.06	0.63	-0.61, 1.85	0.16*	0.88	0.46, 3.92	0.08	1.28	-0.89, 4.15
R^2	0.16			0.22			0.09		
ΔR^2	0.07			0.09			9.80		
ΔF	7.83**			10.45***			9.80***		
3. PCS Catastrophizing									
	0.38***	0.07	0.25, 0.52	0.22**	0.10	0.11, 0.52	0.31***	0.15	0.32, 0.92
R^2	0.38			0.34			0.27		
ΔR^2	0.23			0.12			0.14		
ΔF	69.43***			32.93***			35.96***		
4. ChPBPI scales									
Mystery	0.05	0.83	-0.97, 2.31	0.08	1.28	-1.10, 3.97	0.02	1.88	-3.18, 4.24
Permanence	0.22**	0.88	1.13, 4.61	0.08	1.33	-1.12, 4.14	0.09	1.96	-1.44, 6.30
Constancy	0.09	1.07	-0.77, 3.43	0.21**	1.63	1.41, 7.82	0.19*	2.41	1.33, 10.85
Self-blame	0.07	0.81	-0.61, 2.59	-0.01	1.25	-2.54, 2.41	-0.07	1.84	-5.60, 1.65
R^2	0.45			0.10			0.32		
ΔR^2	0.07			0.06			0.05		
ΔF	6.01***			4.61**			3.45*		

Note: ChPBPI: The Chinese version of the Pain Beliefs and Perceptions Inventory; Depression was indexed by the Center for Epidemiological Studies – Depression scale; 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; PCS: Pain Catastrophizing Scale; Std β : Standardized beta coefficient; SE: Standard error; CI: Confidence interval; Δ : Change.

* $p < 0.05$; ** $p < 0.01$; *** $p < 0.001$.