

**Table 1: Pain characteristics of the Hong Kong-Chinese sample**

<b>Pain Characteristics</b>	<b>%</b>
<b>Number of pain sites; M (SD)</b>	1.89 (1.44)
1	51.4
2	26.9
3-5	19.3
≥6	2.5
<b>Pain site</b>	
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
<b>Pain duration (years); M (SD)</b>	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
<b>Pain intensity<sup>a</sup>; M (SD)</b>	
Present pain	3.98 (2.70)
Average pain	5.40 (2.16)
Worst pain	7.54 (2.38)
<b>Pain interference<sup>b</sup>; M (SD)</b>	
Daily activities	5.82 (2.98)
Social activities	5.00 (3.40)
Working ability	5.79 (3.36)
<b>Pain associated disability (days); M (SD)</b>	25.38 (38.10)
<b>Chronic Pain Grade classification<sup>c</sup></b>	
Grade Zero	0.5
Grade I	24.0
Grade II	23.0
Grade III	26.5
Grade IV	26.0
<b>PCS; M (SD)</b>	29.00 (14.30)
<b>CES-D; M (SD)</b>	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.

<sup>a</sup> Scores range from 0-10; higher scores indicate higher intensity of pain.

<sup>b</sup> Scores range from 0-10; higher scores indicate higher level of interference.

<sup>c</sup> 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: Means and standard deviations of SOPA-14 scales in the US and Hong Kong-Chinese samples**

	<b>Persaon's Correlation</b>				
	<b>Mean (SD)</b>	<b>Catastrophizing Thinking<sup>a</sup></b>	<b>Pain Disability<sup>b</sup></b>	<b>Depression<sup>c</sup></b>	<b>Pain Intensity<sup>d</sup></b>
Pain Control	2.32 (1.01)	-0.26**	-0.13*	-0.30**	-0.18*
Disability	1.75 (1.67)	0.23**	0.35**	0.30**	0.21**
Harm	2.53 (0.80)	0.26**	0.13*	0.23**	0.16*
Emotion	2.36 (1.20)	0.54**	0.37**	0.54**	0.26**
Medication	1.91 (1.35)	0.30**	0.27**	0.43**	0.25**
Solicitude	2.51 (1.36)	0.40**	0.16**	0.28**	0.20**
Medical Cure	2.98 (1.05)	0.05	-0.03	-0.08	-0.04

Note: SOPA-14: The 14-item Survey of Pain Attitudes; SD: Standard deviation.

<sup>a</sup> Indexed by the PCS; scores range from 0 to 52, with higher scores indicating more frequent pain catastrophizing thinking.

<sup>b</sup> Indexed by the CPG Disability Score; scores range from 0-100 with higher scores indicating greater level of disability.

<sup>c</sup> Indexed by the CES-D total score; scores range from 0-60 with higher scores indicating higher level of depressive symptoms.

<sup>d</sup> Indexed by 0-10 NRS, 0-10 numerical rating scale of average pain intensity.

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

**Table 3: Hierarchical multiple regression analyses predicting concurrent depression (CES-D scores) with ChSOPA-14 subscales in the Hong Kong-Chinese sample**

<b>Model 1: Depression</b>				
	<b>Std <math>\beta</math></b>	<b><math>R^2</math></b>	<b><math>\Delta R^2</math></b>	<b><math>\Delta F</math></b>
<b>1. Sociodemographic variables</b>		0.08	0.08	5.50**
Household income	-0.02			
Education level	-0.16**			
Employment status	0.09			
<b>2. Pain variables</b>		0.15	0.07	8.00***
Pain duration	-0.12*			
No. of pain site	0.07			
<b>3. Pain catastrophizing thinking</b>	0.27***	0.39	0.23	70.47***
<b>4. ChSOPA-14 subscales</b>		0.52	0.13	6.66***
Pain Control	-0.13*			
Disability	0.08			
Harm	0.05			
Emotion	0.29***			
Medication	0.12			
Solicitude	-0.04			
Medical Cure	-0.09			

Note: Depression was indexed by the Center for Epidemiological Studies – Depression Scale; ChSOPA-14: The 14-Item Chinese Survey of Pain Attitudes; Std  $\beta$ : Standardized beta coefficient; *SE*: Standard error; CI: Confidence interval;  $\Delta$ : Change.

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

**Table 4: Hierarchical multiple regression analyses predicting concurrent pain intensity with ChSOPA-14 subscales in the Hong Kong-Chinese sample**

<b>Model 2: Pain Intensity</b>				
	<b>Std <math>\beta</math></b>	<b><math>R^2</math></b>	<b><math>\Delta R^2</math></b>	<b><math>\Delta F</math></b>
<b>1. Sociodemographic variables</b>		0.12	0.12	6.60***
Gender	0.18**			
Age	0.04			
Education level	-0.20**			
Employment status	0.05			
<b>2. Pain variables</b>		0.21	0.09	10.79***
Pain duration	-0.18**			
No. of pain site	0.20**			
<b>3. Pain catastrophizing thinking</b>	0.25**	0.32	0.11	29.71***
<b>4. ChSOPA-14 subscales</b>		0.37	0.05	2.06
Pain Control	-0.10			
Disability	0.07			
Harm	0.05			
Emotion	0.04			
Medication	0.10			
Solicitude	-0.03			
Medical Cure	-0.10			

Note: Pain intensity was indexed by the CPG Characteristic Pain Intensity Score, with scores ranging from 0-100 and higher scores indicating higher pain intensity; ChSOPA-14: The 14-Item Chinese Survey of Pain Attitudes; Std  $\beta$ : Standardized beta coefficient; SE: Standard error; CI: Confidence interval;  $\Delta$ : Change.

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

**Table 5: Hierarchical multiple regression analyses predicting concurrent pain disability with ChSOPA-14 subscales in the Hong Kong-Chinese sample**

<b>Model 3: Pain Disability</b>				
	<b>Std <math>\beta</math></b>	<b><math>R^2</math></b>	<b><math>\Delta R^2</math></b>	<b><math>\Delta F</math></b>
<b>1. Sociodemographic variables</b>		0.05	0.05	4.74*
Marital status	0.07			
Education level	-0.16*			
<b>2. Pain variables</b>		0.13	0.08	8.66
Pain duration	-0.23**			
No. of pain site	0.10			
<b>3. Pain catastrophizing thinking</b>	0.28***	0.27	0.14	35.70***
<b>4. ChSOPA-14 subscales</b>		0.37	0.10	4.12***
Pain Control	0.01			
Disability	0.19**			
Harm	-0.05			
Emotion	0.16*			
Medication	0.13			
Solicitude	-0.14*			
Medical Cure	-0.08			

Note: Pain disability was indexed by the CPG Disability Score with scores ranging from 0-100 and higher scores indicating greater level of disability; ChSOPA-14: The 14-Item Chinese Survey of Pain Attitudes; Std  $\beta$ : Standardized beta coefficient; *SE*: Standard error; *CI*: Confidence interval;  $\Delta$ : Change.

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