Table 1: Sociodemographic profile of the sample

Socio-demographic characteristics	Orthopaedics Clinic (n = 185)	Pain Clinic (n = 185)	Group difference
Gender			
Male	48.1	45.4	ns
Female	51.9	54.6	
Age in year; M (*SD*)	39.05 (11.02)	43.62 (11.11)	-3.96***
18-29	22.2	11.4	
30-39	23.8	21.1	
40-49	35.7	36.2	
50-59	15.7	27.6	
≥60	2.7	3.8	
Monthly household income[a]			
<HK$15,000	45.5	62.5	11.22*
$15,000-$24,999	26.3	18.5	
$25,000-$39,999	13.2	10.7	
$40,000-$59,999	9.6	6.5	
≥$60,000	5.4	1.8	
Marital status			
Never married	39.5	23.8	12.73**
Married/Cohabiting	50.3	57.8	
Divorced/Separated	8.1	15.7	
Widowed	2.2	2.7	
Education level			
No schooling/Pre-primary	1.1	3.8	12.14*
Primary	13.1	18.5	
Secondary	56.3	60.3	
Matriculation	3.3	3.8	
Post-secondary	14.2	7.6	
Tertiary	12.0	6.0	
Religion			
No religion	55.7	50.5	ns
Catholic	3.2	2.7	
Christian	14.1	17.4	
Buddhism/Daoism/Ancestor Worship	27.0	29.3	
Employment status			
Full time	59.6	35.9	43.18***
Part time	8.7	4.7	
Retired	1.1	9.4	
Unemployed	16.4	38.2	
Housewife	9.8	10.6	
Student	4.4	1.2	

Note: Figures are percentages unless otherwise stated; Differences analyzed with *t*-test; proportional differences analyzed with chi-square tests; M: mean; *SD*: standard deviation; ns: P value not significant at *p*<0.05.
[a] $1 U.S. = $7.8 HK.
*p<0.05; **p<0.01; ***p<0.001.

Table 2: Pain characteristics of the sample

Pain characteristics	Orthopaedics Clinic (n = 185)	Pain Clinic (n = 185)	Group difference
Pursuing litigation because of pain	22.7	40.5	13.61***
Pursuing or having received medico-legal compensation because of pain	18.4	37.3	16.48***
Whether pain is the reason for the first clinic visit			9.47**
No	2.2	2.2	
Yes, pain is the main reason	91.8	81.8	
Yes, pain is one of the symptoms, but not the main reason	6.0	16.0	
Pain duration (days); M (*SD*)	929 (1316)	1915 (2434)	-4.83***
≥ 3 months - 2 years	59.6	37.7	
> 2 years - 5 years	23.4	38.8	
> 5 years - 10 years	12.1	13.1	
> 10 years	5.0	10.4	
Number of pain site; M (*SD*)	1.62 (0.93)	3.01 (2.18)	-7.93***
1	59.3	25.0	
2	26.9	25.5	
3-5	13.7	38.0	
≥6	0.0	11.4	
Pain site			
Head	2.2	14.6	18.36***
Neck	12.0	30.3	18.34***
Shoulder	14.8	34.6	19.46***
Arm	28.4	33.0	ns
Chest	2.2	8.1	6.59*
Spine	2.7	6.5	ns.
Upper back	4.4	15.1	12.08**
Low back	9.3	19.5	7.72**
Waist	13.7	42.7	38.27***
Pelvis	8.7	5.9	ns
Knee	12.6	18.9	ns
Foot	32.2	41.1	ns
Joint	9.8	11.4	ns
Muscle	2.2	4.9	ns
Others	6.0	13.5	5.87*
Pain intensity[a]; M (*SD*)			
Present pain	3.29 (2.78)	5.07 (2.73)	-6.01***
Average pain	4.69 (2.06)	6.34 (1.78)	-8.22***
Worst pain	7.52 (2.36)	8.85 (1.55)	-6.40***
Pain interference[b]; M (*SD*)			
Daily activities	4.79 (2.77)	6.58 (2.52)	-6.49***
Social activities	4.28 (3.27)	6.74 (2.92)	-7.62***
Working ability	5.72 (3.36)	7.39 (3.00)	-5.04***
Pain associated disability (days); M (*SD*)	11.76 (25.79)	38.99 (42.71)	-6.92***
Pain associated sick leave (days); M (*SD*)	12.57 (26.65)	25.28 (38.59)	-3.44***
Chronic Pain Grade classification[c]			
Grade Zero	---	---	64.73***
Grade I	33.0	7.6	

Grade II	24.9	13.0
Grade III	25.9	32.6
Grade IV	16.2	46.7

Note: Figures are percentages unless otherwise stated. Mean differences analyzed with *t*-test; proportional differences analyzed with chi-square tests.The pain intensity and pain interference scores were drawn from individual items of the Chronic Pain Grade questionnaire; ns: P value not significant at *p*<0.05.
[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.
*p<0.05; ***p*<0.01; ****p*<0.001.

Table 3: Prevalence of common mental disorder, depression, anxiety disorders, and comorbid conditions

	Orthopaedics Clinic (n = 185)	Pain Clinic (n = 185)	χ^2
	%	%	
Common mental disorder[a]	35.3	75.3	59.04***
CIS-R symptoms			
Somatic symptoms[b]	29.2	57.8	30.89***
Fatigue[b]	58.4	82.2	25.05***
Concentration and forgetfulness[b]	21.6	63.6	66.46***
Sleep problems[b]	49.2	81.6	43.00***
Irritability[b]	31.9	47.6	9.49**
Hypochondriasis[b]	26.5	49.7	21.19***
Depression[b]	28.1	62.2	43.32***
Depressive ideas[c]	20.1	52.7	42.25***
Worry[b]	31.4	55.7	22.27***
Anxiety[b]	11.4	30.8	21.05***
Phobias[b]	7.6	29.2	28.83***
Panic[b]	3.8	13.0	10.28**
Compulsions[b]	12.4	21.6	5.53*
Obsessions[b]	17.8	21.1	ns
ICD-10 diagnostic categories—Depression	20.2	57.1	52.51***
Mild depressive episode without somatic symptoms	1.6	1.6	ns
Mild depressive episode with somatic symptoms	4.4	7.1	ns
Moderate depressive episode without somatic symptoms	0.0	3.3	6.00*
Moderate depressive episode with somatic symptoms	9.8	25.0	12.25***
Severe depressive episode	4.4	20.1	18.69***
ICD-10 diagnostic categories—Anxiety disorders[d]			
Phobia	5.9	23.2	22.20***
Panic disorder	1.6	1.6	ns
Generalized anxiety disorder	1.6	17.3	26.54***
Obsessive-compulsive disorder	4.3	9.2	ns
At least one of the four anxiety disorders assessed	11.9	38.0	25.04***
Only one category of the four anxiety disorders assessed	10.3	25.5	11.88***
More than one category of the four anxiety disorders assessed	1.6	12.5	15.39***
Comorbidity			
Depression only	11.5	22.4	6.45*
Anxiety disorder(s) only	3.3	3.8	ns
Comorbid depression and anxiety disorder(s)	8.7	34.4	27.96***

Note: ns: P value not significant at $p<0.05$.

[a] Scores range from 0-57, with the cutoff of 11/12; higher scores indicate higher level of severity.

[b] Scores range from 0-4; presence of symptoms was defined as individual score≥2.

[c] Scores range from 0-5; presence of symptoms was defined as individual score≥2.

[d] The four categories of anxiety disorders assessed are not mutually exclusive.

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

Table 4: Multiple logistic regression models for common mental disorder, depression, anxiety disorders, and comorbid conditions in the orthopedic and pain clinic sample

	Model 1: Orthopaedics Clinic		Model 2: Pain Clinic	
Common Mental Disorder	**AOR**	**95% CI**	**AOR**	**95% CI**
Socio-demographic factors				
Education level				
No schooling/Pre-primary	1.00	Referent	---	---
Primary	<0.01	0.00, 0.00	---	---
Secondary	7.77*	1.52, 39.63	---	---
Matriculation	4.76*	1.19, 19.06	---	---
Post-secondary	4.65	0.45, 48.48	---	---
Tertiary	1.48	0.25, 8.91	---	---
Pain characteristics				
Number of pain site	1.59*	1.03, 2.44	---	---
Pain duration	0.85*	0.74, 0.97	---	---
Pain intensity: Present pain[a]	1.21*	1.05, 1.39	---	---
Pain interference: Daily activities[b]	1.33***	1.14, 1.55	1.30**	1.10, 1.53

	Model 3: Orthopaedics Clinic		Model 4: Pain Clinic	
Depression	**AOR**	**95% CI**	**AOR**	**95% CI**
Pain characteristics				
Number of pain site	1.65*	1.07, 2.55	---	---
Pain duration	0.81*	0.67, 0.97	---	---
Pain intensity: Average pain[a]	---	---	1.31*	1.03, 1.68
Pain intensity: Worst pain[a]	1.38*	1.02, 1.85	---	---
Pain interference: Social activities[b]	1.14	0.98, 1.34	1.23**	1.05, 1.42

	Model 5: Orthopaedics Clinic		Model 6: Pain Clinic	
Anxiety disorders[c]	**AOR**	**95% CI**	**AOR**	**95% CI**
Pain characteristics				
Number of pain site	1.94**	1.20, 3.15	---	---
Pain interference: Social activities[b]	---	---	1.29*	1.08, 1.53
Pain interference: Working ability[b]	1.50**	1.19, 1.90	---	---

	Model 7: Orthopaedics Clinic		Model 8: Pain Clinic	
Comorbid depression and anxiety disorder(s)	**AOR**	**95% CI**	**AOR**	**95% CI**
Socio-demographic factors				
Religion				
No religion	---	---	1.00	Referent
Catholic	---	---	0.86	0.40, 1.85
Christian	---	---	0.69	0.06, 8.57
Buddhism/Daoism/Ancestor Worship	---	---	0.14*	0.03, 0.66
Pain characteristics				
Pain intensity: Present pain[a]	1.35**	1.08, 1.68	---	---
Pain interference: Daily activities[b]	---	---	1.26**	1.09, 1.47

Note: AOR: Adjusted odds ratio; CI: Confidence interval. The following sociodemographic variables met the pre-selection criteria and were entered in the multivariate models: Model 1 and 3-education level; Model 2 and 4-age, religion, and employment status; Model 6 and 8-religion and education level; Model 7-employment status. None of the sociodemographic variables met the pre-selection criteria for Model 5.

[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] Presence of any one of the four anxiety disorders assessed.
*$p<0.05$; **$p<0.01$; ***$p<0.001$.

Table 5: Hierarchical regression models for concurrent pain intensity and pain disability in the orthopedic and pain clinic sample

Pain intensity	Model 9: Orthopaedics Clinic			Model 10: Pain Clinic		
	Std β	SE	95% CI	Std β	SE	95% CI
Pain characteristics						
Pain duration	0.38*	0.38	0.07, 1.55	0.18*	0.18	0.01, 0.70
CIS-R symptoms[a]						
Concentration and forgetfulness	1.37**	1.37	1.68, 7.08	0.84***	0.84	1.78, 5.10
Sleeping problem	1.06**	1.06	1.12, 5.31	0.93**	0.93	1.03, 4.70
Somatic symptoms	1.07*	1.07	0.45, 4.69	---	---	---
R^2	0.25			0.22		
F	14.48***			14.58***		

Pain disability	Model 11: Orthopaedics Clinic			Model 12: Pain Clinic		
	Std β	SE	95% CI	Std β	SE	95% CI
Pain characteristics						
Pursuing or having received compensation because of pain	---	---	---	3.46*	3.46	1.86, 15.53
Pursuing litigation because of pain	4.38*	4.38	2.66, 19.93	---	---	---
CIS-R symptoms[a]						
Depression	1.44***	1.44	3.05, 8.71	---	---	---
Somatic symptoms	1.35**	1.35	1.14, 6.46	---	---	---
Concentration and forgetfulness	---	---	---	1.18***	1.18	4.06, 8.72
Sleeping problem	---	---	---	1.31**	1.31	1.17, 6.33
R^2	0.20			0.31		
F	14.05***			23.14***		

Note: Pain intensity was indexed by the CPG Characteristic Pain Intensity Score, with scores ranging from 0 to 100 and higher scores indicating higher plain intensity; Pain disability was indexed by the CPG Disability score, with scores ranging from 0 to 100 and higher scores indicating greater level of disability. CIS-R revised clinical interview schedule; Std β: Standardized beta coefficient; SE: Standard error; CI: Confidence interval. The following sociodemographic variables met the pre-selection criteria and were entered in the multivariate models: Model 9-gender; Model 10 and 11-employment status; Model 12-marital status and employment status.
[a] Scores range from 0-4; higher scores indicate more severe neurotic symptom.
*$p<0.05$; **$p<0.01$; ***$p<0.001$.