

TABLE E-1 Results of Bivariate Analyses of the Associations Between DASH, Pain Intensity, and Cold Sensitivity Scores and Independent Variables

	Mean Score $\pm$ Standard Deviation		
	DASH	Pain Intensity	Cold Sensitivity
Sex			
Male	42 $\pm$ 21	4.0 $\pm$ 3.0	32 $\pm$ 27
Female	49 $\pm$ 22	4.7 $\pm$ 2.9	44 $\pm$ 28
P value	0.06	0.18	0.01
Workers' Compensation/litigation			
Yes	50 $\pm$ 21	4.6 $\pm$ 3.1	39 $\pm$ 26
No	42 $\pm$ 21	4.1 $\pm$ 3.1	29 $\pm$ 25
P value	0.02	0.36	0.03
Dominant hand injured			
Yes	46 $\pm$ 21	4.2 $\pm$ 3.1	31 $\pm$ 26
No	42 $\pm$ 23	4.3 $\pm$ 3.0	35 $\pm$ 25
P value	0.30	0.79	0.38
Nerve(s) injured			
Brachial plexus	52 $\pm$ 19	4.4 $\pm$ 3.2	34 $\pm$ 26
Single shoulder nerve	40 $\pm$ 21	3.8 $\pm$ 3.2	17 $\pm$ 24
Distal nerve	39 $\pm$ 22	4.2 $\pm$ 2.9	34 $\pm$ 25
P value	0.001	0.80	0.05
Work status			
Working (full or part-time)	38 $\pm$ 20	3.7 $\pm$ 2.7	30 $\pm$ 22
Unemployed	54 $\pm$ 20	5.2 $\pm$ 3.2	36 $\pm$ 28
Homemaker, student, retired	43 $\pm$ 21	3.6 $\pm$ 2.8	33 $\pm$ 29
P value	<0.001	0.01	0.39
Marital status			
Single, separated, divorced, or widowed	43 $\pm$ 22	4.2 $\pm$ 3.1	28 $\pm$ 25
Married or living with partner	45 $\pm$ 21	4.2 $\pm$ 3.0	35 $\pm$ 25
P value	0.65	0.10	0.99
Education			
Some college/university or higher	42 $\pm$ 21	3.8 $\pm$ 2.8	32 $\pm$ 24
High school or lower	49 $\pm$ 20	5.0 $\pm$ 3.1	34 $\pm$ 29
P value	0.06	0.01	0.53

TABLE E-2 Correlational Relationships Between the DASH Scores and Scores on Other Questionnaires

	Pearson Correlation Coefficient	P Value
HADS		
Total score	0.41	<0.001
Anxiety subscale	0.28	<0.001
Depression subscale	0.47	<0.001
Pain intensity (10-cm VAS)	0.51	<0.001
PCS		
Total score	0.46	<0.001
Rumination subscale	0.44	<0.001
Magnification subscale	0.40	<0.001
Helplessness subscale	0.45	<0.001
PCL-C		
Total score	0.43	<0.001
Reexperiencing subscale	0.35	<0.001
Avoidance subscale	0.28	<0.001
Emotional numbing subscale	0.42	<0.001
Hyperarousal subscale	0.39	<0.001
CISS	0.38	<0.001
Comorbidity index		
Total no. of comorbidities indicated	0.24	0.002
Total score	0.25	0.002

TABLE E-3 Correlation Coefficients* Between Variables in the Regression Analysis

					Work Status				Nerve(s) Injured						
	DASH	Sex	Age	Education	Unemployed	Homemaker, Student, or Retired	Workers' Compensation/Litigation	Time Since Injury	Single Shoulder Nerve	Distal Nerve	Comorbidity Index	PCL-C	Pain Intensity	CISS	PCS
DASH	1														
Sex	-0.15 (0.03)	1													
Age	0.16 (0.02)	-0.13 (0.05)	1												
Education	-0.15 (0.03)	-0.06 (0.25)	0.16 (0.02)	1											
Work status															
Unemployed	0.34 (0.00)	0.22 (0.00)	-0.20 (0.01)	-0.20 (0.01)	1										
Homemaker, student, or retired	-0.02 (0.39)	-0.20 (0.01)	0.23 (0.00)	-0.13 (0.06)	-0.29 (0.00)	1									
Workers' Compensation/litigation	0.19 (0.01)	-0.01 (0.47)	0.01 (0.44)	-0.00 (0.49)	0.12 (0.06)	-0.07 (0.20)	1								
Time since injury	-0.04 (0.31)	-0.11 (0.09)	-0.07 (0.18)	-0.05 (0.27)	-0.07 (0.18)	-0.08 (0.16)	0.09 (0.14)	1							
Nerve(s) injured															
Single shoulder nerve	-0.06 (0.22)	0.08 (0.16)	-0.06 (0.23)	0.03 (0.37)	-0.04 (0.29)	-0.06 (0.24)	0.03 (0.37)	-0.07 (0.20)	1						
Distal nerve	-0.26 (0.00)	-0.06 (0.24)	0.08 (0.15)	0.10 (0.11)	-0.25 (0.00)	-0.08 (0.17)	0.02 (0.40)	0.08 (0.16)	-0.33 (0.00)	1					
Comorbidity index	0.25 (0.00)	-0.05 (0.29)	0.44 (0.00)	0.03 (0.34)	0.01 (0.43)	0.09 (0.13)	-0.02 (0.40)	-0.02 (0.41)	0.02 (0.42)	-0.01 (0.47)	1				
PCL-C score	0.43 (0.00)	-0.03 (0.33)	-0.13 (0.05)	-0.19 (0.01)	0.32 (0.00)	-0.06 (0.21)	0.17 (0.02)	0.21 (0.00)	-0.15 (0.03)	-0.04 (0.30)	0.16 (0.02)	1			
Pain intensity	0.51 (0.00)	-0.11 (0.09)	-0.01 (0.46)	-0.20 (0.01)	0.24 (0.00)	-0.08 (0.16)	0.07 (0.18)	0.27 (0.00)	-0.05 (0.28)	-0.01 (0.44)	0.18 (0.01)	0.47 (0.00)	1		
CISS	0.38 (0.00)	-0.21 (0.00)	-0.21 (0.47)	-0.05 (0.27)	0.10 (0.10)	0.01 (0.44)	0.18 (0.01)	0.31 (0.00)	-0.19 (0.01)	0.07 (0.18)	0.09 (0.14)	0.38 (0.00)	0.50 (0.00)	1	
PCS	0.46 (0.00)	-0.12 (0.06)	-0.12 (0.31)	-0.23 (0.00)	0.15 (0.03)	-0.03 (0.33)	0.05 (0.27)	0.27 (0.00)	-0.05 (0.25)	0.04 (0.30)	0.12 (0.06)	0.64 (0.00)	0.66 (0.00)	0.39 (0.00)	1
HADS depression	0.47 (0.00)	-0.07 (0.18)	0.07 (0.20)	-0.12 (0.07)	0.30 (0.00)	-0.07 (0.20)	0.10 (0.10)	0.11 (0.08)	-0.12 (0.07)	-0.15 (0.03)	0.26 (0.00)	0.70 (0.00)	0.41 (0.00)	0.26 (0.00)	0.53 (0.00)

*Pearson correlation coefficient (one-tailed level of significance).

TABLE E-4 Summary of Regression Models

Model	R ²	R ² Change	Predictors Included	Predictors Excluded
1	0.535	0.535	(Constant), PCS score, work status, nerve injured, Workers' Compensation/ litigation, comorbidity index, sex, education, time since injury, cold sensitivity, age, HADS depression, pain intensity, PCL-C total score	
2	0.535	0.000		PCL-C total score
3	0.534	-0.001		PCL-C total score, education
4	0.532	-0.001		PCL-C total score, education, work status (homemaker, student, or retired)
5	0.530	-0.003		PCL-C total score, education, work status (homemaker, student, or retired), comorbidity index
6	0.526	-0.003		PCL-C total score, education, work status (homemaker, student, or retired), comorbidity index, nerve injured (single shoulder)