

Association of persistent pain with the incidence of chronic conditions following disabling work-related injury¹

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1. *Supplementary table 1*

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Crude Associations between persistent pain and incident chronic conditions, Weighted logistic regressions

	Arthritis & Back Problems (Yes vs. No)			Hypertension and Diabetes (Yes vs. No)			Mood Disorder & Migraine (Yes vs. No)		
	OR	95% CI	p	OR	95% CI	p	OR	95% CI	p
Pain Level (Ref: None)									
A little bit to moderate	4.19	2.06-8.52	<0.01	1.47	0.58-3.72	0.41	2.11	1.10-4.08	0.03
Quite a bit to extremely	9.70	4.73-19.89	<0.01	4.60	1.89-11.18	<0.01	5.19	2.71-9.95	<0.01
Age Category (ref: < 40)									
40-49	1.89	0.9-3.98	0.09	1.50	0.51-4.46	0.46	0.47	0.25-0.86	0.02
50-59	4.92	2.68-9.04	<0.01	4.52	2.00-10.24	<0.01	0.46	0.28-0.76	<0.01
60 and over	4.08	2.10-7.92	<0.01	3.47	1.31-9.20	0.01	0.19	0.08-0.44	<0.01
Sex (Female vs Male)									
	1.19	0.79-1.80	0.40	0.96	0.52-1.76	0.89	1.52	0.99-2.34	0.06
Nature of Injury (Ref: Sprain, Strain, or Dislocation)									
Fracture	1.47	0.77-2.82	0.24	1.38	0.40-4.73	0.61	1.02	0.41-2.50	0.97

Superficial or Open Wound	1.02	0.53- 1.94	0.96	1.60	0.66- 3.90	0.30	0.73	0.29- 1.82	0.50
Internal Injury	0.92	0.47- 1.82	0.82	2.03	0.82- 5.01	0.13	3.82	2.23- 6.52	<0.01
Other	0.27	0.05- 1.48	0.13	1.52	0.21- 10.77	0.67	0.90	0.18- 4.45	0.90
Missing	1.18	0.65- 2.13	0.58	2.59	1.12- 5.99	0.03	1.79	0.96- 3.32	0.07
Highest Level of Education (ref: University Degree)									
Less than high school	1.41	0.58- 3.43	0.45	4.31	1.38- 13.49	0.01	0.38	0.14- 1.04	0.06
High school completed	1.03	0.59- 1.80	0.92	1.36	0.57- 3.24	0.48	0.79	0.44- 1.41	0.43
College or trade certificate diploma	1.12	0.66- 1.92	0.67	1.43	0.62- 3.30	0.40	1.17	0.70- 1.95	0.55
Currently Receiving Healthcare (ref: Not Applicable)									
No	1.01	0.53- 1.94	0.97	0.89	0.39- 2.04	0.78	1.02	0.52- 2.02	0.95
Yes	2.35	1.18- 4.69	0.02	1.36	0.54- 3.40	0.52	2.85	1.42- 5.74	<0.01
Industry (Ref: Health Care and Social Assistance)									
Construction, Utilities, Mining, Agriculture, Forestry	1.03	0.46- 2.29	0.95	0.62	0.21- 1.83	0.39	0.98	0.45- 2.12	0.95
Transportation & Warehousing	1.43	0.68- 3.00	0.34	1.15	0.38- 3.44	0.81	0.90	0.41- 1.95	0.78
Manufacturing	1.33	0.56- 3.16	0.52	1.11	0.34- 3.65	0.86	0.37	0.15- 0.88	0.03
Other Services (except Public Administration)	0.95	0.38- 2.37	0.92	1.38	0.47- 4.01	0.56	0.37	0.16- 0.85	0.02

Retail, Wholesale Trade	0.99	0.4-2.42	0.98	0.91	0.27- 3.12	0.89	1.32	0.56- 3.08	0.52
Educational Services	1.32	0.58- 3.00	0.51	1.09	0.35- 3.43	0.88	1.06	0.51- 2.18	0.88
Accommodation/ Food Services/ Arts/ Entertainment	0.91	0.34- 2.42	0.85	1.05	0.28- 4.01	0.94	1.24	0.52- 2.97	0.62
Public Administration	1.84	0.76- 4.42	0.18	0.49	0.07- 3.67	0.49	0.93	0.33- 2.63	0.89
Other	2.64	0.84- 8.28	0.10	<0.01	<0.01- <0.01	<0.01	1.03	0.30- 3.54	0.96
Not Applicable (Not Currently Working)	<0.01	<0.01- <0.01	<0.01	<0.01	<0.01- <0.01	<0.01	<0.01	<0.01- <0.01	<0.01
Employment Status Current (Ref: Permanent)									
Temporary - casual contract seasonal	0.88	0.37- 2.10	0.77	0.54	0.14- 2.12	0.38	1.22	0.57- 2.63	0.61
Not working	1.67	1.05- 2.66	0.03	0.66	0.28- 1.55	0.34	1.32	0.81- 2.16	0.26
Cohort (2 vs 1)	0.94	0.63- 1.40	0.75	1.02	0.57- 1.82	0.95	1.59	1.04- 2.42	0.03
Benefit Duration (> 3 Months vs < 3 Months)	1.26	0.91- 1.74	0.16	1.11	0.68- 1.80	0.68	1.63	1.15- 2.31	0.01
Prior Chronic Conditions (Ref: None)									
1 Condition	1.40	0.86- 2.29	0.18	1.01	0.50- 2.03	0.98	0.57	0.34- 0.98	0.04
2 Conditions	1.67	0.95- 2.94	0.08	0.89	0.38- 2.09	0.79	0.62	0.33- 1.15	0.13
3 + Conditions	2.03	0.96- 4.33	0.07	0.87	0.24- 3.13	0.83	0.42	0.15- 1.16	0.10

Bold values indicate statistically significant estimates at the $\alpha = 0.05$ level