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The impact of co-morbid mental and physical disorders on presenteeism [1]

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[1] Appendix One: Results from Successive Regression Models Used to Understand Negative Interactions

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Table A1: Prevalence Ratios (PR) and 95% Confidence Intervals (95% CI) for activity restrictions at work (presenteeism) for combinations of mood disorders and specific physical conditions. Canadian Community Health Survey, 2003 to 2010. Including employed respondents aged 25 to 74 years. (N = 120,005)

		Unadjusted		Adjusted for Age, Survey year & Sex ONLY		Adjusted for Non-co-morbidity variables ONLY*		Adjusted for All co-morbidity variables ONLY**		Adjusted for Arthritis ONLY		Adjusted for Back Pain ONLY	
		PR	95% CI	PR	95% CI	PR	95% CI	PR	95% CI	PR	95% CI	PR	95% CI
Arthritis	**Mood Disorder**												
No	No	1.00		1.00		1.00		1.00		---	---	1.00	
	Yes	3.36	3.14-3.60	3.34	3.11-3.58	3.20	2.99-3.44	2.37	2.20-2.55	---	---	2.83	2.64-3.04
Yes	No	3.46	3.29-3.65	3.29	3.11-3.48	3.12	2.94 -3.30	2.43	2.30-2.57	---	---	2.62	2.48-2.76
	Yes	5.75	5.34-6.19	5.47	5.06-5.91	5.06	4.67-5.48	2.91	2.66-3.18	---	---	3.82	3.52-4.14
Back Pain	**Mood Disorder**												
No	No	1.00		1.00		1.00		1.00		1.00		---	---
	Yes	3.75	3.47-4.06	3.68	3.40-3.98	3.51	3.25-3.81	2.88	2.65-3.13	3.44	3.18-3.73	---	---
Yes	No	3.80	3.62-3.99	3.70	3.52-3.89	3.59	3.42-3.78	3.09	2.94-3.26	3.24	3.08-3.42	---	---
	Yes	6.41	5.97-6.88	6.09	5.67-6.55	5.71	5.31-6.14	3.92	3.60-4.27	4.96	4.60-5.35	---	---
Diabetes	**Mood Disorder**												
No	No	1.00		1.00		1.00		1.00		1.00		1.00	
	Yes	3.10	2.93-3.29	3.03	2.86-3.21	2.88	2.72-3.05	1.90	1.78-2.03	2.65	2.50-2.81	2.49	2.35-2.63
Yes	No	1.75	1.58-1.93	1.56	1.41-1.73	1.51	1.36-1.67	1.40	1.27-1.53	1.49	1.35-1.64	1.71	1.56-1.88
	Yes	3.98	3.38-4.69	3.46	2.95-4.07	3.23	2.76-3.77	1.83	1.52-2.22	2.82	2.38-3.36	2.98	2.50-3.54
Heart Disease	**Mood Disorder**												
No	No	1.00		1.00		1.00		1.00		1.00		1.00	
	Yes	3.08	2.91-3.26	3.00	2.84-3.18	2.86	2.70-3.03	1.90	1.78-2.03	2.64	2.49-2.79	2.46	2.33-2.61
Yes	No	2.38	2.15-2.63	2.09	1.89-2.32	2.07	1.86-2.29	1.63	1.48-1.81	1.93	1.74-2.13	2.05	1.86-2.27

	Yes	4.83	4.12-5.66	4.30	3.68-5.04	3.99	3.42-4.67	2.12	1.69-2.66	3.41	2.84-4.10	3.62	2.99-4.37
High Blood Pressure	**Mood Disorder**												
No	No	1.00		1.00		1.00		1.00		1.00		1.00	
	Yes	3.13	2.94-3.33	3.06	2.88-3.26	2.91	2.74-3.10	1.97	1.84-2.11	2.70	2.54-2.88	2.52	2.37-2.68
Yes	No	1.65	1.55-1.76	1.48	1.38-1.58	1.45	1.35-1.55	1.26	1.18-1.35	1.38	1.29-1.47	1.53	1.43-1.63
	Yes	4.14	3.72-4.60	3.67	3.29-4.08	3.40	3.04-3.80	1.85	1.63-2.10	2.95	2.64-3.30	3.02	2.68-3.41

* PR estimates were adjusted for all non-co-morbidity variables including: survey year, age, gender, household composition, education, occupational physical demands, work hours, province/territory of residence, and urban versus rural location of residence.

** PR estimates were adjusted for all co-morbidity variables, including: arthritis, back pain, diabetes, heart disease, high blood pressure, anxiety and migraines.

Table A1 (CONTINUED): Prevalence Ratios (PR) and 95% Confidence Intervals (95% CI) for activity restrictions at work (presenteeism) for combinations of mood disorders and specific physical conditions.

Canadian Community Health Survey, 2003 to 2010.
Including employed respondents aged 25 to 74 years.
(N = 120,005)

		Adjusted for Diabetes ONLY		Adjusted for Heart Disease ONLY		Adjusted for High Blood Pressure ONLY		Adjusted for Anxiety ONLY		Adjusted for Migraines ONLY		Fully Adjusted*	
		PR	95% CI	PR	95% CI	PR	95% CI	PR	95% CI	PR	95% CI	PR	95% CI
Arthritis	**Mood Disorder**												
No	No	1.00		1.00		1.00		1.00		1.00		1.00	
	Yes	3.35	3.13-3.59	3.32	3.10-3.56	3.33	3.10-3.56	2.90	2.69-3.13	3.09	2.88-3.31	2.29	2.13-2.47
Yes	No	3.41	3.24-3.59	3.39	3.21-3.57	3.33	3.16-3.51	3.43	3.26-3.61	3.32	3.15-3.49	2.29	2.16-2.42
	Yes	5.65	5.24-6.09	5.53	5.13-5.97	5.49	5.10-5.92	4.85	4.46-5.27	5.01	4.64-5.41	2.72	2.48-2.98
Back Pain	**Mood Disorder**												
No	No	1.00		1.00		1.00		1.00		1.00		1.00	
	Yes	3.74	3.45-4.04	3.69	3.41-3.99	3.70	3.42-4.00	3.30	3.04-3.59	3.52	3.25-3.81	2.79	2.56-3.04
Yes	No	3.79	3.61-3.99	3.76	3.57-3.95	3.74	3.56-3.94	3.76	3.57-3.95	3.64	3.46-3.82	3.03	2.88-3.20
	Yes	6.34	5.90-6.80	6.25	5.82-6.71	6.18	5.75-6.65	5.53	5.11-5.99	5.71	5.31-6.14	3.78	3.47-4.11
Diabetes	**Mood Disorder**												
No	No	---	---	1.00		1.00		1.00		1.00		1.00	
	Yes	---	---	3.04	2.87-3.22	3.05	2.88-3.23	2.60	2.43-2.78	2.78	2.62-2.94	1.86	1.74-1.98
Yes	No	---	---	1.62	1.47-1.79	1.51	1.36-1.67	1.75	1.59-1.93	1.79	1.62-1.97	1.36	1.24-1.50
	Yes	---	---	3.71	3.11-4.41	3.28	2.76-3.89	3.42	2.90-4.03	3.40	2.91-3.98	1.78	1.50-2.12
Heart Disease	**Mood Disorder**												
No	No	1.00		---	---	1.00		1.00		1.00		1.00	
	Yes	3.06	2.89-3.24	---	---	3.03	2.86-3.20	2.58	2.42-2.76	2.75	2.60-2.92	1.86	1.74-1.99
Yes	No	2.23	2.01-2.47	---	---	2.07	1.87-2.29	2.37	2.14-2.63	2.34	2.11-2.59	1.63	1.48-1.80
	Yes	4.66	3.94-5.50	---	---	4.10	3.51-4.78	4.02	3.42-4.72	4.36	3.67-5.18	2.01	1.60-2.53
High Blood Pressure	**Mood Disorder**												
No	No	1.00		1.00		---	---	1.00		1.00		1.00	
	Yes	3.13	2.94-3.32	3.10	2.91-3.29	---	---	2.64	2.46-2.83	2.81	2.64-2.99	1.92	1.80-2.06
Yes	No	1.58	1.48-1.69	1.56	1.46-1.67	---	---	1.65	1.54-1.76	1.64	1.54-1.75	1.24	1.16-1.32
	Yes	3.91	3.51-4.36	3.76	3.38-4.19	---	---	3.44	3.07-3.86	3.60	3.24-4.00	1.78	1.56-2.02

* PR estimates were adjusted for all non-co-morbidity and all co-morbidity variables including: survey year, age, gender, household composition, education, occupational physical demands, work hours, province/territory of residence, urban versus rural location of residence, and arthritis, back pain, diabetes, heart disease, high blood pressure, anxiety and migraines.