Appendix Table 1. NCS-R: Predictive effects of interactions between frequentsevere headaches and comorbid physical and mental disorders on workplace outcomes among employed or self-employed Part II NCS-R respondents

				Other					
Interactions/Outcomes		Migrain	es	Headaches					
	(n)	Est ^{1*}	(95% CI)	Est ^{1*}	(95% CI)				
I. Physical disorders									
Disabled	(4329)	1.0	(0.6,1.6)	0.8	(0.5,1.3)				
Sickness absence	(3669)	0.5	(-1.0,2.0)	-0.6	(-1.2,-0.1)				
Job performance	(3669)	-0.03	(-0.2,0.2)	-0.05	(-0.3,0.2)				
II. Mental disorders									
Disabled	(4329)	1.0	(0.7,1.4)	0.8	(0.5,1.2)				
Sickness absence	(3669)	0.8	(-0.7,2.4)	0.5	(-0.9,1.9)				
Job performance	(3669)	-0.1	(-0.5,0.2)	0.05	(-0.2,0.3)				
III. Physical and mental disorders									
Disabled	(4329)	1.1	(0.7,1.7)	0.8	(0.6,1.2)				
Sickness absence	(3669)	0.6	(-0.3,1.6)	-0.1	(-0.8,0.5)				
Job performance	(3669)	-0.04	(-0.2,0.1)	-0.01	(-0.2,0.1)				

* None of the coefficients is significant at the .05 level, two-sided test

¹The results in which disability is the outcome are based on logistic regression equations in which dummy variables for migraines and other headaches were used to predict disability (coded 1) versus others in the labor force (coded 0, included the employed, the self-employed, laid off, and the unemployed looking for work) controlling for socio-demographics. The estimates (Est) presented are odds-ratios and their 95% confidence intervals (Cls). The results in which sickness absence and job performance are the outcomes are based on linear regression equations in which dummy variables for migraines and other headaches were used to predict disability (coded 1) versus others in the labor force (coded 0, included the employed, the self-employed, and the unemployed looking for work) controlling for socio-demographics and hours expected to work. The estimates (Est) presented are linear regression coefficients and their 95% confidence intervals (Cls).

		Migraines							Other headaches							
				Age of	Onset						Age of	Onset				
			rlier	Equal			Later		Earlier		Equal		Later			
Medical Condition	(n) ¹	% ³	(se)	% ³	(se)	% ³	(se)	(n) ²	% ³	(se)	% ³	(se)	% ³	(se)		
Musculoskeletal																
Arthritis	(149)	71.5	(4.2)	5.6	(1.9)	22.9	(4.1)	(152)	59.1	(5.1)	12.8	(3.3)	28.0	(5.2)		
Back or Neck	(193)	51.6	(3.9)	22.0	(4.6)	26.4	(3.8)	(206)	45.7	(6.0)	20.8	(4.4)	33.5	(4.3)		
Any	. ,		. ,		. ,		. ,	. ,		. ,		. ,		. ,		
musculoskeletal	(246)	50.9	(3.4)	16.4	(3.0)	32.7	(3.6)	(266)	45.5	(3.9)	17.4	(3.2)	37.2	(3.4)		
Other pain																
Other pain	(77)	72.0	(9.1)	10.0	(3.6)	18.0	(7.7)	(81)	52.4	(5.7)	23.7	(4.6)	23.9	(4.4)		
Cardiovascular																
Heart disease	(14)	_4	-	-	-	-	-	(23)	_4	-	-	-	-	-		
High blood																
pressure	(71)	77.0	(7.6)	11.7	(7.2)	11.3	(3.2)	(89)	70.8	(6.3)	7.9	(2.8)	21.4	(5.7)		
Heart attack	(9)	-4	-	-	-	-	-	(14)	-4	-	-	-	-	-		
Stroke	(4)	_4	-	-	-	-	-	(18)	_4	-	-	-	-	-		
Any																
cardiovascular	(86)	72.1	(6.6)	10.8	(6.1)	17.1	(3.4)	(111)	61.6	(6.4)	9.4	(2.9)	29.0	(5.9)		
Respiratory																
Asthma	(66)	48.8	(8.9)	2.7	(2.0)	48.5	(8.7)	(90)	30.1	(5.3)	5.3	(2.2)	64.6	(5.2)		
Seasonal																
allergies	(198)	33.0	(3.6)	11.7	(3.3)	55.3	(4.9)	(198)	38.0	(4.4)	11.2	(2.8)	50.8	(4.1)		
Other lung																
disease	(13)	_4	-	-	-	-	-	(17)	_4	-	-	-	-	-		
Any respiratory	(229)	34.5	(3.8)	10.0	(2.9)	55.4	(4.4)	(242)	33.1	(3.7)	9.8	(2.1)	57.1	(3.6)		
Digestive																
Ulcer	(31)	89.9	(5.3)	2.2	(2.3)	7.9	(4.8)	(31)	66.4	(11.5)	9.0	(4.7)	24.7	(9.8)		
Irritable bowel	(14)	-4	-	-	-	-	-	(11)	-*	-	-	-	-	-		
Any digestive	(43)	77.8	(6.1)	3.8	(2.8)	18.4	(5.8)	(39)	61.6	(10.0)	7.8	(4.0)	30.6	(8.8)		
Cancer	(6)	-4	-	-	-	-	-	(4)	-*	-	-	-	-	-		
Diabetes	(16)	-* 4	-	-	-	-	-	(30)	75.8	(8.1)	12.1	(5.7)	12.0	(5.8)		
Epilepsy	(13)	-*	-	-	-	-	-	(19)	-*	-	-	-	-	-		

Appendix Table 2. NCS-R: Comparisons of order of age-of-onset between frequent-severe headaches and comorbid Physical disorders among employed or self-employed Part II NCS-R respondents separately by disorder

¹Unweighted number of respondents who had both migraines and the physical disorder in the row. ²Unweighted number of respondents who had both other headaches and the physical disorder in the row. ³Percentages are based on the respondents with 12-month comorbidity of the condition in the row and either migraines or other ⁴Percentage estimates are not displayed for comorbidities that involve fewer than 30 respondents.

Appendix Table 3. NCS-R: Comparison of Age of Onset Among All Part II Respondents Between 18 and 64 Years Old

				Migra	aines				Other Headache						
				Age of	Onset				Age of Onset						
		Earlier		Equal		Later			Earlier		Equal		Later		
Mental Disorder	(n) ¹	% ³	(se)	% ³	(se)	% ³	(se)	(n) ²	% ³	(se)	% ³	(se)	% ³	(se)	
Anxiety															
Generalized anxiety disorder															
Panic disorder or agoraphobia	(44)	36.3	(6.8)	12.4	(5.3)	51.3	(6.3)	(49)	36.1	(7.8)	6.5	(3.7)	57.4	(8.0)	
Social phobia	(81)	14.2	(4.6)	16.5	(4.6)	69.2	(5.2)	(64)	12.2	(3.9)	4.6	(3.0)	83.2	(5.0)	
Specific phobia	(103)	2.4	(1.5)	2.0	(0.8)	95.5	(1.6)	(95)	3.0	(1.8)	2.2	(1.5)	94.8	(2.3)	
Posttraumatic stress disorder	(72)	30.2	(8.2)	12.9	(5.5)	57.0	(6.0)	(54)	33.0	(6.0)	17.1	(6.6)	50.0	(6.7)	
Any anxiety	(207)	17.1	(2.2)	8.6	(2.5)	74.3	(2.5)	(196)	13.1	(2.7)	3.7	(1.4)	83.2	(3.1)	
Mood															
Depression or dysthymia	(113)	50.1	(4.1)	9.0	(2.5)	41.0	(4.3)	(120)	44.7	(4.4)	13.3	(3.9)	41.9	(5.4)	
Bipolar I, II, or sub	(38)	58.3	(9.8)	5.0	(3.4)	36.7	(9.3)	(38)	54.5	(11.1)	12.8	(6.8)	32.6	(7.7)	
Any mood	(137)	50.0	(4.5)	8.6	(2.1)	41.4	(4.6)	(145)	45.6	(4.4)	12.4	(2.8)	42.0	(5.8)	
Impulse															
Intermittent explosive disorder	(46)	20.9	(5.2)	9.4	(4.3)	69.6	(6.2)	(60)	16.4	(4.8)	12.2	(5.0)	71.4	(5.7)	
Other impulse disorder	(18)	_4	-	-	-	-	-	(20)	_4	-	-	-	-	-	
Any impulse disorder	(55)	19.0	(4.0)	6.8	(3.7)	74.2	(4.8)	(73)	15.4	(4.7)	12.4	(4.6)	72.2	(5.8)	
Substance															
Alcohol abuse	(17)	-4	-	-	-	-	-	(25)	-4	-	-	-	-	-	
Alcohol dependence	(5)	-4	-	-	-	-	-	(15)	-4	-	-	-	-	-	
Drug abuse	(10)	-4	-	-	-	-	-	(12)	-4	-	-	-	-	-	
Drug dependence	(5)	_4	-	-	-	-	-	(5)	_4	-	-	-	-	-	
Any substance	(24)	_4	-	-	-	-	-	(29)	_4	-	-	-	-	-	
Composite															
Any disorder	(267)	21.2	(2.3)	8.6	(2.0)	70.2	(2.7)	(274)	20.5	(2.2)	5.8	(1.6)	73.6	(2.7)	
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¹Unweighted number of respondents who had both migraines and the mental disorder in the row. ²Unweighted number of respondents who had both other headaches and the mental disorder in the row. ³Percentages are based on the respondents with 12-month comorbidity of the condition in the row and either migraines or other headache. ⁴Percentage estimates are not displayed for comorbidities that involve fewer than 30 respondents.