

**Supplementary Table 1. Propensity score-matched prevalence odds ratio for psychiatric comorbidities among patients with migraine with <15 monthly headache days vs. ≥15 monthly headache days**

	Migraine patients MHDs<15 (N=271)		Matched non-migraine respondents (N=1,084)		Prevalence odds ratio, 95% CI MHDs<15	Prevalence odds ratio, 95% CI MHDs≥15	Migraine patients MHDs≥15 (N=107)		Matched non-migraine respondents (N=428)	
	Count	%	Count	%			Count	%	Count	%
<b>ADD</b>	9	2.4%	10	0.7%	3.7 (1.3, 10.1)	6.1 (0.7, 73.9)	3	2.8%	2	0.5%
<b>ADHD</b>	6	1.6%	8	0.5%	3.0 (0.9, 10.0)	12.3 (1.0, 645.5)	3	2.8%	1	0.2%
<b>Schizophrenia</b>	14	3.7%	24	1.6%	2.4 (1.1, 4.9)	5.0 (1.3, 21.2)	6	5.6%	5	1.2%
<b>Bipolar disorder</b>	10	2.6%	21	1.4%	1.9 (0.8, 4.3)	3.0 (0.7, 11.0)	5	4.7%	7	1.6%
<b>Depression</b>	84	22.2%	136	9.0%	2.9 (2.1, 3.9)	6.5 (3.6, 11.6)	36	33.6%	31	7.2%
<b>Anxiety</b>	55	14.6%	45	3.0%	5.6 (3.6, 8.6)	9.5 (4.5, 20.5)	26	24.3%	14	3.3%
<b>Phobias</b>	23	6.1%	12	0.8%	8.1 (3.8, 18.0)	17.2 (3.3, 167.4)	8	7.5%	2	0.5%
<b>Social anxiety disorder</b>	43	11.4%	39	2.6%	4.9 (3.0, 7.8)	6.7 (2.8, 16.4)	16	15.0%	11	2.6%
<b>Panic disorder</b>	52	13.8%	44	2.9%	5.3 (3.4, 8.3)	12.1 (5.3, 29.2)	24	22.4%	10	2.3%
<b>GAD</b>	32	8.5%	14	0.9%	9.9 (5.1, 20.3)	18.6 (5.8, 77.8)	16	15.0%	4	0.9%
<b>OCD</b>	19	5.0%	15	1.0%	5.3 (2.5, 11.3)	11.5 (2.7, 67.6)	8	7.5%	3	0.7%
<b>PTSD</b>	29	7.7%	11	0.7%	11.3 (5.4, 25.4)	22.0 (4.5, 207.0)	10	9.3%	2	0.5%

ADD, attention deficit disorder; ADHD, attention deficit hyperactivity disorder; GAD, generalized anxiety disorder; OCD, obsessive compulsive disorder; PTSD, post-traumatic stress disorder.

**Supplementary Table 2. Propensity score-matched prevalence odds ratio for somatic comorbidities among patients with migraine with <15 monthly headache days vs. ≥15 monthly headache days**

	Migraine patients MHDs<15 (N=271)		Matched non- migraine respondents (N=1,084)		Prevalence odds ratio, 95% CI MHDs<15	Prevalence odds ratio, 95% CI MHDs≥15	Migraine patients MHDs≥15 (N=107)		Matched non-migraine respondents (N=428)	
	Count	%	Count	%			Count	%	Count	%
<b>Gastrointestinal disorders</b>										
GERD	43	15.9%	74	6.8%	2.6 (1.7, 3.9)	6.2 (3.5, 11.1)	35	32.7%	31	7.2%
Heartburn	104	38.4%	180	16.6%	3.1 (2.3, 4.2)	5.1 (3.2, 8.2)	57	53.3%	78	18.2%
Ulcers	28	10.3%	45	4.2%	2.7 (1.6, 4.5)	4.5 (2.0, 10.2)	15	14.0%	15	3.5%
Crohn's disease	0	0.0%	2	0.2%	0.0 (0.0, 21.3)	0.0 (0.0, 155.6)	0	0.0%	1	0.2%
Ulcerative colitis	4	1.5%	6	0.6%	2.7 (0.6, 11.4)	16.6 (1.6, 814.6)	4	3.7%	1	0.2%
Irritable bowel Syndrome	45	16.6%	71	6.5%	2.8 (1.9, 4.3)	7.6 (3.9, 14.6)	30	28.0%	21	4.9%
Chronic constipation (12m)	74	27.3%	141	13.0%	2.5 (1.8, 3.5)	2.5 (1.5, 4.2)	35	32.7%	69	16.1%
Frequent diarrhea (12m)	64	23.6%	118	10.9%	2.53 (1.8, 3.6)	4.9 (2.8, 8.4)	35	32.7%	39	9.1%
<b>Allergic-related disorders</b>										
Allergies (12m)	115	42.4%	202	18.6%	3.2 (2.4, 4.3)	2.4 (1.5, 3.9)	48	44.9%	107	25.0%
Atopic dermatitis	53	19.6%	121	11.2%	1.9 (1.3, 2.8)	2.2 (1.2, 4.0)	21	19.6%	43	10.0%
Hay fever	117	43.2%	217	20.0%	3.0 (2.3, 4.1)	2.5 (1.6, 3.9)	50	46.7%	112	26.2%
Asthma	42	15.5%	88	8.1%	2.1 (1.4, 3.1)	2.5 (1.4, 4.5)	24	22.4%	44	10.3%
<b>Sleep disorders</b>										
Insomnia	83	30.6%	119	11.0%	3.6 (2.6, 5.0)	6.7 (4.0, 11.2)	51	47.7%	51	11.9%
Sleep apnea	13	4.8%	21	1.9%	2.6 (1.2, 5.4)	2.7 (0.2, 23.8)	2	1.9%	3	0.7%
Sleep difficulties	31	11.4%	37	3.4%	3.7 (2.1, 6.2)	5.2 (2.3, 11.6)	17	15.9%	15	3.5%
<b>Gynecological disorders</b>										

<b>Fibroids</b>	34	12.5%	91	8.4%	1.6 (1.0, 2.4)	1.8 (1.2, 2.6)	15	14.0%	28	6.5%
<b>Pre-menstrual dysphoric disorder (12m)</b>	38	14.0%	40	3.7%	4.4 (2.6, 7.2)	5.5 (3.6, 8.4)	22	20.6%	12	2.8%
<b>Pre-menstrual syndrome (12m)</b>	64	23.6%	64	5.9%	5.2 (3.5, 7.8)	5.3 (3.8, 7.4)	33	30.8%	34	7.9%
<b>Endometriosis</b>	22	8.1%	47	4.3%	2.0 (1.1, 3.4)	2.4 (1.5, 3.7)	14	13.1%	18	4.2%
<b>Cardiovascular disorders</b>										
<b>High blood pressure (hypertension)</b>	24	8.9%	76	7.0%	1.3 (0.8, 2.1)	0.5 (0.1, 1.6)	4	3.7%	29	6.8%
<b>Heart attack</b>	3	1.1%	3	0.3%	4.0 (0.5, 30.3)	NA	0	0.0%	0	0.0%
<b>Mini-stroke/TIA</b>	1	0.4%	4	0.4%	1.0 (0.02, 10.2)	Inf (0.1, Inf)	1	0.9%	0	0.0%
<b>Stroke</b>	2	0.7%	2	0.2%	4.0 (0.3, 55.6)	NA	0	0.0%	0	0.0%
<b>Others</b>										
<b>Rheumatoid arthritis</b>	4	1.5%	13	1.2%	1.2 (0.3, 4.0)	1.3 (0.03, 16.8)	1	0.9%	3	0.7%
<b>Lupus</b>	2	0.7%	2	0.2%	4.0 (0.3, 10.2)	0.0 (0.0, 9.7)	0	0.0%	3	0.7%
<b>Fibromyalgia (12m)</b>	3	1.1%	2	0.2%	6.1 (0.7, 72.6)	Inf (1.7, Inf)	3	2.8%	0	0.0%
<b>Parkinson's disease</b>	1	0.4%	3	0.3%	1.3 (0.03, 16.7)	NA	0	0.0%	0	0.0%
<b>Restless leg syndrome (12m)</b>	14	5.2%	25	2.3%	2.3 (1.1, 4.7)	4.9 (1.5, 16.1)	8	7.5%	7	1.6%
<b>Epilepsy</b>	2	0.7%	6	0.6%	1.3 (0.1, 7.5)	1.6 (0.2, 10.0)	2	1.9%	5	1.2%
<b>Anemia (12m)</b>	58	21.4%	121	11.2%	2.2 (1.5, 3.1)	2.6 (1.5, 4.4)	30	28.0%	56	13.1%
<b>Thyroid condition</b>	14	5.2%	23	2.1%	2.5 (1.2, 5.2)	3.8 (1.2, 11.3)	8	7.5%	9	2.1%
<b>Genital warts</b>	2	0.7%	1	0.1%	8.1 (0.4, 474.0)	NA	0	0.0%	0	0.0%
<b>Genital herpes</b>	5	1.8%	6	0.6%	3.4 (0.8, 13.4)	2.0 (0.03, 38.8)	1	0.9%	2	0.5%
<b>Breast cancer</b>	3	1.1%	18	1.7%	0.7 (0.1, 2.3)	6.1 (0.7, 73.9)	3	2.8%	2	0.5%