

Supplementary Table 1
Frequency of missing values in the questionnaires.

	number of missing values across all items
HDI	1
HIT-6	1
DASS	0
GAD-7	0
PASS-20	0
HTSAQ-SF ^a	53 ^b
HMSE-G-SF	1
PVAQ	9
NEO	0

Abbreviations: HDI, Headache Disability Inventory; HIT-6, Headache Impact Test; DASS, Depression Anxiety Stress Scales; GAD-7, Generalized Anxiety Disorder Screener; PASS-20, Pain Anxiety Symptom Scale 20; HTSAQ-SF, Headache Trigger Sensitivity and Avoidance Questionnaire, short form; HMSE-G-SF, short form of the Headache Management Self-efficacy Scale; PVAQ, Pain Vigilance and Awareness Questionnaire; NEO, NEO-Five-Factor Inventory.

^aExcluding item 16 (referring to the menstrual cycle), item 17, and item 18 (both items are not listed before, free text field).

^b $n = 37$ missing values can be assigned to item 8b (“How hard do you try to avoid odors/smell/fragrances?”).

Supplementary Table 2
Factor loadings of the confirmatory factor analysis.

Factor	Item	Estimate	Std. Error	z-value	<i>p</i>
Factor 1	05	0.76	0.01	54.83	<.001
	09	0.87	0.01	66.94	<.001
	10	0.82	0.01	61.30	<.001
	11	0.84	0.01	65.89	<.001
	12	0.73	0.01	53.48	<.001
	13	0.80	0.01	58.99	<.001
	14	0.78	0.01	58.75	<.001
	15	0.77	0.01	58.50	<.001
	16	0.74	0.01	55.00	<.001
Factor 2	01	0.72	0.01	53.84	<.001
	02	0.82	0.01	63.10	<.001
	03	0.58	0.01	40.85	<.001
	04	0.58	0.01	40.00	<.001
	06	0.61	0.02	41.19	<.001
	07	0.76	0.01	56.38	<.001
	08	0.46	0.02	31.28	<.001
	17	0.26	0.02	15.32	<.001
	19	0.81	0.01	59.19	<.001
	26	0.77	0.01	59.85	<.001
	27	0.77	0.01	58.88	<.001
	28	0.62	0.01	45.04	<.001
	29	0.66	0.01	45.68	<.001
Factor 3	18	0.76	0.02	48.25	<.001
	20	0.80	0.02	49.97	<.001
	21	0.80	0.02	54.53	<.001
	22	0.70	0.01	49.10	<.001
	23	0.78	0.02	52.49	<.001
	24	0.68	0.02	45.53	<.001
	25	0.70	0.02	40.14	<.001

Supplementary Table 3**Mean values (SD) of the used scales and comparison between subgroups of participants (no comorbid mental disorder vs mental disorder).**

	No comorbid mental disorder (<i>n</i> = 314)	Mental disorder as comorbidity (<i>n</i> = 73)	<i>t</i>^a (<i>p</i>)
FAMI sum score	103.1 (19.5)	109.1 (20.7)	-2.32 (0.021)
FAMI subscale fear of negative consequences	34.5 (8.0)	37.2 (7.3)	-2.57 (0.010)
FAMI subscale attention and anticipation	44.8 (9.0)	46.3 (10.4)	-1.17 (0.247)
FAMI subscale fear avoidance	23.8 (5.6)	25.6 (6.2)	-2,38 (0.018)

Note: Data are mean (SD) unless otherwise stated.

Abbreviations: FAMI, Fear of Attacks in Migraine Inventory.

^aThe *t*-Test for independent samples (two-tailed α of 0.05).

Supplementary Table 4**Mean values (SD) of the used scales and comparison between subgroups of participants (no probable medication-overuse headache vs probable medication-overuse headache).**

	No probable medication-overuse headache (<i>n</i> = 299)	Probable medication- overuse headache (<i>n</i> = 84)	<i>t</i>^a (<i>p</i>)
FAMI sum score	102.5 (19.6)	110.1 (19.5)	-3.15 (0.002)
FAMI subscale fear of negative consequences	34.1 (8.0)	38.3 (6.7)	-4.88 (< 0.001)
FAMI subscale attention and anticipation	44.6 (9.2)	46.7 (9.6)	-1.80 (0.073)
FAMI subscale fear avoidance	23.8 (5.8)	25.1 (5.8)	-1.88 (0.061)

Note: Data are mean (SD) unless otherwise stated. Due to missing or unclear information *n* = 4 participants could not be clearly assigned.

Abbreviations: FAMI, Fear of Attacks in Migraine Inventory.

^aThe *t*-Test for independent samples (two-tailed α of 0.05).