

Supplementary material

SI. Survey questions

Demographic information

What is your age in years?

▼ Under 16 ... 100 or older

What is your gender?

▼ Male, Female, Other

Pain-related characteristics

Have you been experiencing pain on most days for three months or more?

YES

NO

On average, for how many **hours** per day do you normally feel pain? Please answer using **numbers**. For example, half an hour would be ".5", and two hours would be "2".

Hours per day _____

For approximately how long have you been experiencing pain? Please answer in **years** and **months**. For example, 6 months would be "0" years and "6" months.

Years _____

Months _____

Where in your body have you felt pain **over the last week**. You can select as many responses as you like so please select all that apply.

Left arm and/or hand

Left leg and/or foot

Right arm and/or hand

Right leg and/or foot

Back

Stomach/abdomen

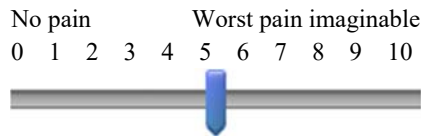
Chest

Groin/genitals

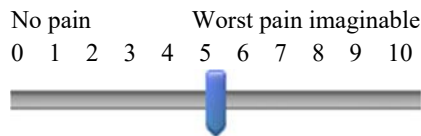
Neck

- Head
- Other (Please specify. You can specify more than one thing if you wish)

For each of the body parts that you have selected, please rate your **average** level of pain that you have experienced in that body part **over the last week**.



Please rate your average level of pain that you have experienced in your body **OVERALL** over the last week (that is, averaged across all your painful body parts).



Have you received a medical diagnosis for your pain condition? Here, a medical diagnosis is a diagnosis that has been determined by a medical practitioner such as a GP, specialist doctor (e.g. rheumatologist or pain specialist), physiotherapist, occupational therapist, or nurse.

- YES
- NO

Please select all medical diagnoses that you have received for your pain condition.

- Complex Regional Pain Syndrome (also known as Reflex Sympathetic Dystrophy, Causalgia, or Sudeck's syndrome)
- Rheumatoid Arthritis
- Osteoarthritis
- Plantar fasciitis
- Fibromyalgia
- Hypermobility
- Back pain
- Migraine

- Cluster Headache
- Multiple Sclerosis
- Neuralgia
- Stomach ulcer
- Endometriosis
- Irritable Bowel Disease
- Crohn's Disease
- Other (Please specify. You can specify more than one thing if you wish) _____
- I have not received any diagnosis for my pain condition

You answered that you have received a medical diagnosis of *[diagnosis that was selected]*. Which medical practitioner diagnosed you with this condition (if you recall). Please select ALL that apply.

- GP
- Specialist doctor (e.g. rheumatologist or pain specialist)
- Physiotherapist
- Occupational therapist
- Nurse
- Other (Please specify) _____
- Don't know/can't remember

Was there an event or injury that triggered the onset of your pain condition(s)?

- YES
- NO

What was the event or injury that triggered the onset of your pain condition(s)?

- Sprain
- Fracture
- Dislocation

- Surgery
- Infection
- Childbirth
- Stressful situation such as bereavement, divorce, or loss of job (please specify. You can specify more than one thing if you wish) _____
- Other (Please specify. You can specify more than one thing if you wish) _____

Bodily changes

Have you experienced any of the following [since the onset of your pain condition/over the past two years]*. Please only select those things that have **started to bother you** or have **become worse** since the onset of your pain condition. Select ANY that apply.

** Respondents only saw one of the two options based on whether they reported to have chronic pain or not.*

- Blurred vision
- Needing to change your glasses or contact lens prescription more often
- Peripheral vision loss
- Sensitivity to bright lights
- Hearing loss
- Tinnitus (Ringing in the ears)
- Sensitivity to loud noises
- Losing hair on your head
- Losing hair on parts of your body other than your head
- Extra hair growth on any part of your body
- Skin rashes
- Being more susceptible to sunburn
- Changes in the texture of your skin
- Changes in skin colour
- Swelling (edema) in any body part
- Changes in the nails of your hands (e.g. growing faster or slower, or being more brittle)

- Changes in your toenails (e.g. growing faster or slower, or being more brittle)
- Allergic reactions on the skin
- Increased susceptibility to illness (for example, becoming more frequently ill, or taking longer to recover from illness)
- Finding your skin takes longer to heal when cut or bruised
- Needing to urinate more often, or finding it difficult from stopping yourself urinate when you 'need to go'
- Needing to urinate less often, or finding it difficult to urinate
- Loose bowels, diarrhoea, or needing to defecate more often
- Constipation
- Having a "sensitive stomach"
- Nausea
- Increase in weight
- Decrease in weight
- Allergic reactions to food and drink
- Decreased alcohol tolerance
- Increased alcohol tolerance
- Weakness in any part of your body
- Tremor in any part of your body
- Problems with balance
- Falling more frequently
- Difficulties walking
- Sweating more
- Sweating less
- Dizziness
- Hay fever

- Loss of sexual desire
- Increased sexual desire
- Feeling unusually cold, or finding it difficult to get warm when you are cold
- Feeling unusually hot, or finding it difficult to cool down when you are hot
- Please specify anything else that you have experienced. Even if you have experienced a change to your body or its sensations that you think is odd, unusual, or sounds "a bit crazy", we are interested in hearing about it. You can specify more than one thing if you wish. In the next question you will have an opportunity to explain more about the changes and how they make you feel if you wish. Here, please just list any additional changes if there are any. _____

Sensory sensitivity

Do any of the following give you pain? Please select ANY that apply.*

Do any of the following give you discomfort? Please select ANY that apply.*

Do any of the following give you distress? Please select ANY that apply.*

Do any of the following make your pain worse? Please select ANY that apply.*

** The list of items below was used for each of the previous four questions:*

- Caffeine
- Alcohol
- Bright lights
- Flashing lights
- High-contrast images, such as black and white stripes spaced close together
- Loud or unpleasant noises
- The touch of clothing/water/breeze
- Particular foods. If yes, please specify _____
- Particular smells. If yes, please specify _____
- Cold weather. if yes, then please specify from what temperature your pain starts _____
- Warm or hot weather. If yes, then please specify from what temperature your pain starts _____
- Other (Please specify. You can specify more than one thing if you wish) _____

Patient Health Questionnaire (PHQ-9)

Over the last 2 weeks, how often have you been bothered by any of the following problems?

	Not at all	Several days	More than half days	Nearly every day
Little interest or pleasure in doing things	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Feeling down, depressed, or hopeless	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Trouble falling/staying asleep, sleeping too much	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Feeling tired or having little energy	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Poor appetite or overeating	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Feeling bad about yourself – or that you are a failure or have let yourself or your family down	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Trouble concentrating on things, such as reading the newspaper or watching television	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Moving or speaking so slowly that other people could have noticed	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Or the opposite – being so fidgety or restless that you have been moving around a lot more than usual	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Thoughts that you would be better off dead or of hurting yourself in some way	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Generalized Anxiety Disorder (GAD-7)

Over the last 2 weeks, how often have you been bothered by any of the following problems?

	Not at all	Several days	More than half days	Nearly every day
Feeling nervous, anxious, or on edge	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Not being able to stop or control worrying	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Worrying too much about different things	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Trouble relaxing	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Being so restless that it's hard to sit still	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Becoming easily annoyed or irritable	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
Feeling afraid as if something awful might happen	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

Patient Health Questionnaire-15 (PHQ-15)

During the past 4 weeks, how much have you been bothered by any of the following problems?

	Not bothered at all	Bothered a little	Bothered a lot		
Stomach pain	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
Back pain	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
Pain in your arms, legs, or joints (knees, hips, etc.)	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
Menstrual cramps or other problems with your periods	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
Headaches	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
Chest pain	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
Dizziness	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
Fainting spells	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
Feeling your heart pound or race	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
Shortness of breath	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
Constipation, loose bowels, or diarrhoea	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
Nausea, gas, or indigestion	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
Feeling tired or having low energy	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
Trouble sleeping	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>		
	Not bothered at all	Bothered a little	Bothered a lot	Prefer not to say	Not applicable
Pain or problems during sexual intercourse	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

S2. 'Other' pain-related medical diagnoses

Supplementary Table 1. Numbers and percentages of people who reported one or more pain-related medical diagnoses in the 'other' box, that were grouped in the categories listed below. We categorized the diagnoses based on the coding system for medical research categorisation, outlined by UK Clinical Research Collaboration (<https://hrcsonline.net/health-categories/>). Note that these also include spontaneously reported *non pain-related* medical diagnoses, even though this was not asked for.

	CRPS (N = 390)	Fibromyalgia (N = 452)	CRPS+ Fibromyalgia (N = 88)	Pain controls (N = 311)
Musculoskeletal	41 (10.5%)	76 (16.8%)	10 (11.3%)	59 (19.0%)
Neurological	11 (2.8%)	27 (6.0%)	8 (9.0%)	37 (11.9%)
Inflammatory and immune system	8 (2.1%)	23 (5.1%)	5 (5.6%)	8 (2.6%)
Oral and gastrointestinal	6 (1.5%)	14 (3.1%)	5 (5.6%)	6 (1.9%)
Blood	4 (1.0%)	1 (0.2%)	2 (2.3%)	1 (0.3%)
Injuries and accidents	3 (0.8%)	4 (0.9%)	2 (2.3%)	14 (4.5%)
Reproductive health and childbirth	2 (0.5%)	8 (1.8%)	2 (2.3%)	4 (1.3%)
Renal and urogenital	2 (0.5%)	3 (0.7%)	2 (2.3%)	1 (0.3%)
Metabolic and endocrine	1 (0.3%)	7 (1.5%)	1 (1.1%)	2 (0.6%)
Cardiovascular	1 (0.3%)	4 (0.9%)	3 (3.4%)	1 (0.3%)
Skin	1 (0.3%)	2 (0.4%)	0	4 (1.3%)
Mental health	1 (0.3%)	2 (0.4%)	0	2 (0.6%)
Respiratory	0	3 (0.7%)	2 (2.3%)	2 (0.6%)
Cancer and neoplasms	0	1 (0.2%)	0	4 (1.3%)
Congenital disorders	0	1 (0.2%)	0	0
Eye	0	1 (0.2%)	0	0
Infection	0	0	2 (2.3%)	1 (0.3%)
Ear	0	0	1 (1.1%)	0
Stroke	0	0	0	0
Disputed aetiology and other	5 (1.3%)	33 (7.3%)	1 (1.1%)	17 (5.5%)

S3. Events/injuries that triggered the pain condition

Fracture and surgery were reported more often by respondents with CRPS than respondents without CRPS, followed by sprain and dislocation (Supplementary Table 2). A stressful situation was reported more often by respondents with fibromyalgia than by respondents without fibromyalgia, followed by infection and childbirth. In general, respondents with CRPS+fibromyalgia tended to report the same inciting events as reported by respondents with only one of these conditions.

Supplementary Table 2. Numbers and percentages of events/injuries that triggered the pain condition. Note that respondents could report multiple events/injuries, thus percentages do not sum to 100.

	CRPS (<i>N</i> = 390)	Fibromyalgia (<i>N</i> = 452)	CRPS+ Fibromyalgia (<i>N</i> = 88)	Pain controls (<i>N</i> = 311)	Statistics
None	27 (6.9%) ^{2,4}	227 (50.2%) ^{1,3}	10 (11.4%) ^{2,4}	154 (49.5%) ^{1,3}	$\chi^2(3) = 234.91, p < .001$
Fracture	129 (33.1%) ^{2,4}	20 (4.4%) ^{1,3,4}	26 (29.5%) ^{2,4}	27 (8.7%) ^{1,2,3}	$\chi^2(3) = 151.90, p < .001$
Surgery	126 (32.3%) ^{2,4}	32 (7.1%) ^{1,3}	34 (38.6%) ^{2,4}	33 (10.6%) ^{1,3}	$\chi^2(3) = 126.77, p < .001$
Sprain	71 (18.2%) ^{2,4}	19 (4.2%) ^{1,3}	13 (14.8%) ²	23 (7.4%) ¹	$\chi^2(3) = 49.91, p < .001$
Dislocation	29 (7.4%) ²	5 (1.1%) ^{1,3,4}	8 (9.1%) ²	13 (4.2%) ²	$\chi^2(3) = 24.67, p < .001$
Stressful situation	28 (7.2%) ^{2,3}	113 (25.0%) ^{1,4}	15 (17.0%) ¹	28 (9.0%) ²	$\chi^2(3) = 63.80, p < .001$
Infection	13 (3.3%) ²	44 (9.7%) ^{1,4}	6 (6.8%)	10 (3.2%) ²	$\chi^2(3) = 20.83, p < .001$
Childbirth	3 (0.8%) ^{2,3}	26 (5.8%) ¹	7 (8.0%) ¹	10 (3.2%)	$\chi^2(3) = 19.39, p < .001$
Other	116 (29.7%) ²	95 (21.0%) ^{1,3,4}	31 (35.2%) ²	92 (29.6%) ²	$\chi^2(3) = 13.79, p = .003$

Group mean differed significantly from ¹CRPS, ²fibromyalgia, ³CRPS+fibromyalgia, ⁴pain controls, and ⁵pain-free controls.

S4. Body parts in which respondents reported experiencing pain in

Most respondents with CRPS reported the leg and/or foot as being most painful, followed by the arm and/or hand (Supplementary Table 3). However, respondents with CRPS also often reported experiencing pain in parts of their body other than their limbs, especially the back, neck, and head. Respondents with fibromyalgia most frequently reported the back, neck, and head as being most painful, and the majority reported some pain in these body areas. Respondents with CRPS+fibromyalgia reported the leg and/or foot as being most painful, followed by the arm and/or hand, although they did experience pain in many other body parts as well, which was comparable with the fibromyalgia only group. More pain controls reported the back as being most painful, and approximately two-thirds of respondents in this group reported some pain in this area. The overall pain intensity for the most painful body part differed between groups, $F(4) = 69.11, p < .001$. Respondents with fibromyalgia (with or without CRPS) reported the highest pain intensity. Respondents with only CRPS reported higher pain intensity than pain controls.

Supplementary Table 3. Numbers and percentages of the body parts where respondents reported any pain in the past week, and the average pain intensity reported across any painful body part, the most painful body parts over the past week, and the average pain intensity reported for the most painful body part. Note that respondents could report multiple body parts, thus percentages do not sum to 100.

	CRPS (N = 390)				Fibromyalgia (N = 452)				CRPS+Fibromyalgia (N = 88)				Pain controls (N = 311)			
	Experienced pain	Intensity	Most painful	Intensity most painful	Experienced pain	Intensity	Most painful	Intensity most painful	Experienced pain	Intensity	Most painful	Intensity most painful	Experienced pain	Intensity	Most painful	Intensity most painful
Left leg and/or foot	193 (49.5%)	7.05 (2.05)	100 (25.6%)	7.87 (1.76)	359 (79.4%)	6.15 (2.00)	43 (9.5%)	8.20 (1.67)	72 (81.8%)	7.24 (2.18)	29 (33.0%)	8.51 (1.56)	124 (39.9%)	4.96 (2.04)	32 (10.3%)	6.48 (1.79)
Right leg and/or foot	210 (53.8%)	7.04 (2.04)	124 (31.8%)	7.68 (1.82)	370 (81.9%)	6.23 (1.98)	47 (10.4%)	8.43 (1.46)	58 (65.9%)	7.46 (1.84)	20 (22.7%)	8.81 (1.38)	141 (45.3%)	5.09 (2.11)	43 (13.8%)	6.27 (2.10)

Left arm and/or hand	150 (38.5%)	6.27 (2.22)	60 (15.4%)	7.17 (2.35)	345 (76.3%)	5.61 (1.94)	21 (4.6%)	7.97 (1.81)	62 (70.5%)	6.25 (2.43)	15 (17.0%)	8.73 (1.72)	90 (28.9%)	4.64 (2.29)	14 (4.5%)	7.41 (2.36)
Right arm and/or hand	151 (38.7%)	6.40 (2.07)	62 (15.9%)	7.12 (2.08)	359 (79.4%)	5.91 (2.04)	34 (7.5%)	8.43 (1.46)	58 (65.9%)	6.11 (2.47)	12 (13.6%)	9.27 (0.74)	96 (30.9%)	4.49 (2.09)	24 (7.7%)	5.92 (1.90)
Back	176 (45.1%)	6.36 (2.32)	37 (9.5%)	8.46 (1.73)	415 (91.8%)	7.12 (2.02)	152 (33.6%)	8.33 (1.61)	75 (85.2%)	6.85 (2.18)	14 (15.9%)	9.01 (1.08)	203 (65.3%)	5.38 (2.14)	87 (28.0%)	6.13 (2.12)
Stomach/abdomen	78 (20.0%)	5.46 (2.35)	12 (3.1%)	9.06 (0.97)	260 (57.5%)	5.77 (2.20)	31 (6.9%)	8.37 (1.29)	42 (47.7%)	6.30 (2.16)	7 (8.0%)	8.99 (1.24)	85 (27.3%)	5.39 (2.09)	32 (10.3%)	6.77 (1.81)
Chest	56 (14.4%)	5.30 (2.32)	7 (1.8%)	7.29 (2.55)	219 (48.5%)	5.53 (2.31)	20 (4.4%)	8.60 (1.26)	29 (33.0%)	5.65 (2.34)	2 (2.3%)	9.25 (0.35)	45 (14.5%)	4.27 (2.02)	5 (1.6%)	6.62 (1.39)
Groin/genitals	44 (11.3%)	5.64 (2.17)	6 (1.5%)	7.22 (1.71)	117 (25.9%)	5.66 (2.40)	9 (2.0%)	8.29 (1.96)	17 (19.3%)	6.28 (2.32)	3 (3.4%)	9.83 (0.29)	30 (9.6%)	4.78 (2.14)	4 (1.3%)	6.90 (0.89)
Neck	131 (33.6%)	5.96 (2.23)	24 (6.2%)	8.01 (1.81)	401 (88.7%)	6.61 (2.14)	118 (26.1%)	8.39 (1.33)	63 (71.6%)	6.21 (2.46)	10 (11.4%)	9.07 (1.09)	133 (42.8%)	5.09 (2.22)	35 (11.3%)	6.26 (2.11)
Head	107 (27.4%)	5.93 (2.31)	18 (4.6%)	7.79 (1.94)	357 (79.0%)	6.31 (2.17)	76 (16.8%)	8.47 (1.49)	49 (55.7%)	5.96 (2.43)	6 (6.8%)	9.70 (0.40)	97 (31.2%)	5.75 (2.14)	40 (12.9%)	7.09 (1.82)
Other	60 (15.4%)	6.96 (2.24)	27 (6.9%)	8.36 (1.47)	138 (30.5%)	7.73 (1.73)	72 (15.9%)	8.33 (1.50)	26 (29.5%)	7.15 (2.10)	7 (8.0%)	9.34 (1.19)	66 (21.2%)	5.79 (2.50)	38 (12.2%)	6.59 (2.49)
Overall pain intensity	-	6.63 (2.14)	-	7.49 (1.88)	-	7.02 (1.55)	-	8.18 (1.42)	-	7.44 (1.60)	-	8.44 (1.43)	-	5.18 (2.18)	-	6.28 (2.02)

S5. Individual bodily changes

From Supplementary Table 4 it is evident that no individual items are unique to any specific pain group, nor are there any that were not reported by any pain-free controls. Respondents with pain reported most bodily changes with greater frequency than respondents without pain, and respondents with CRPS and/or fibromyalgia reported most bodily changes with greater frequency than pain controls. Respondents with CRPS (with or without fibromyalgia) reported with greater frequency than the other groups those individual items that are part of the CRPS diagnostic criteria (e.g., ‘swelling [oedema] in any body part’). However, respondents with fibromyalgia (without CRPS) also reported these items more frequently than the two control populations. Individual items that were reported with greater frequency by respondents with fibromyalgia (with or without CRPS) than the other groups include most items categorised under vision and hearing changes, ‘increased susceptibility to illness’, items related to bowel function (‘loose bowels, diarrhoea, or needing to defecate more often’, ‘constipation’), ‘allergic reactions to food and drink’, and ‘loss of sexual desire’. However, respondents with CRPS (without fibromyalgia) also reported these items more frequently than the two control populations. Individual items that were reported with greater frequency by the CRPS+fibromyalgia group than any other group included ‘losing the hair on your head’, ‘finding your skin takes longer to heal when cut or bruised’, ‘falling more frequently’, ‘difficulties walking’, and ‘hay fever’.

The responses that were provided in the free-text box are depicted per category in Supplementary Figure 2.

Supplementary Table 4. Categorization of the predefined bodily changes that respondents could select as answer to the question: ‘Have you experienced any of the following since the onset of your pain condition/over the past two years? Please only select those things that have started to bother you or have become worse since the onset of your pain condition/over the past two years. Select ANY that apply.’ Values are not corrected for covariates.

Bodily change	CRPS (N = 390)	Fibromyalgia (N = 452)	CRPS+ Fibromyalgia (N = 88)	Pain controls (N = 311)	Pain-free controls (N = 441)	Statistics
Vision and hearing changes						
Blurred vision	142 (36.4%) ^{2,3,4,5}	258 (57.1%) ^{1,4,5}	51 (58.0%) ^{1,4,5}	67 (21.5%) ^{1,2,3}	88 (20.0%) ^{1,2,3}	$\chi^2(4) = 183.04, p < .001$
Needing to change your glasses or contact lens prescription more often	94 (24.1%) ^{2,3,4,5}	172 (38.1%) ^{1,4,5}	35 (39.8%) ^{1,4,5}	47 (15.1%) ^{1,2,3}	75 (17.0%) ^{1,2,3}	$\chi^2(4) = 82.38, p < .001$
Peripheral vision loss	20 (5.1%)	30 (6.6%) ⁵	6 (6.8%)	8 (2.6%)	7 (1.6%) ²	$\chi^2(4) = 18.45, p = .001$
Sensitivity to bright lights	162 (41.5%) ^{2,3,4,5}	320 (70.8%) ^{1,4,5}	57 (64.8%) ^{1,4,5}	93 (29.9%) ^{1,2,3,5}	71 (16.1%) ^{1,2,3,4}	$\chi^2(4) = 313.15, p < .001$
Hearing loss	46 (11.8%) ²	96 (21.2%) ^{1,4,5}	14 (15.9%)	23 (7.4%) ²	31 (7.0%) ²	$\chi^2(4) = 52.20, p < .001$
Tinnitus (Ringing in the ears)	109 (27.9%) ^{2,5}	214 (47.3%) ^{1,4,5}	34 (38.6%) ^{4,5}	68 (21.9%) ^{2,3,5}	43 (9.8%) ^{1,2,3,4}	$\chi^2(4) = 168.13, p < .001$
Sensitivity to loud noises	215 (55.1%) ^{2,3,4,5}	320 (70.8%) ^{1,4,5}	65 (73.9%) ^{1,4,5}	96 (30.9%) ^{1,2,3,5}	55 (12.5%) ^{1,2,3,4}	$\chi^2(4) = 381.42, p < .001$
Hair, skin, and nail changes						
Losing hair on your head	124 (31.8%) ^{3,4,5}	171 (37.8%) ^{3,4,5}	50 (56.8%) ^{1,2,4,5}	63 (20.3%) ^{1,2,3}	84 (19.0%) ^{1,2,3}	$\chi^2(4) = 83.96, p < .001$
Losing hair on parts of your body other than your head*	67 (17.2%) ^{4,5}	52 (11.5%) ^{3,4,5}	21 (23.9%) ^{2,4,5}	18 (5.8%) ^{1,2,3}	11 (2.5%) ^{1,2,3}	$\chi^2(4) = 75.68, p < .001$
Extra hair growth on any part of your body*	136 (34.9%) ^{2,4,5}	76 (16.8%) ^{1,3,4,5}	35 (39.8%) ^{2,4,5}	23 (7.4%) ^{1,2,3}	42 (9.5%) ^{1,2,3}	$\chi^2(4) = 145.29, p < .001$
Skin rashes	150 (38.5%) ^{4,5}	212 (46.9%) ^{4,5}	41 (46.6%) ^{4,5}	59 (19.0%) ^{1,2,3}	56 (12.7%) ^{1,2,3}	$\chi^2(4) = 164.25, p < .001$
Being more susceptible to sunburn	137 (35.1%) ^{2,4,5}	105 (23.2%) ^{1,3,4,5}	37 (42.0%) ^{2,4,5}	34 (10.9%) ^{1,2,3}	38 (8.6%) ^{1,2,3}	$\chi^2(4) = 132.13, p < .001$
Changes in the texture of your skin*	250 (64.1%) ^{2,4,5}	153 (33.8%) ^{1,3,4,5}	54 (61.4%) ^{2,4,5}	54 (17.4%) ^{1,2,3,5}	49 (11.1%) ^{1,2,3,4}	$\chi^2(4) = 331.21, p < .001$
Changes in skin colour*	300 (76.9%) ^{2,4,5}	55 (12.2%) ^{1,3,5}	58 (65.9%) ^{2,4,5}	22 (7.1%) ^{1,3}	16 (3.6%) ^{1,2,3}	$\chi^2(4) = 799.53, p < .001$
Swelling (oedema) in any body part*	321 (82.3%) ^{2,4,5}	186 (41.2%) ^{1,3,4,5}	73 (83.0%) ^{2,4,5}	79 (25.4%) ^{1,2,3,5}	24 (5.4%) ^{1,2,3,4}	$\chi^2(4) = 602.61, p < .001$
Changes in the nails of your hands (e.g., growing faster or slower, or being more brittle)*	207 (53.1%) ^{4,5}	219 (48.5%) ^{3,4,5}	57 (64.8%) ^{2,4,5}	58 (18.6%) ^{1,2,3,5}	50 (11.3%) ^{1,2,3,4}	$\chi^2(4) = 270.84, p < .001$
Changes in your toenails (e.g., growing faster or slower, or being more brittle)*	228 (58.5%) ^{2,4,5}	152 (33.6%) ^{3,4,5}	57 (64.8%) ^{1,2,4,5}	41 (13.2%) ^{1,2,3,5}	26 (5.9%) ^{1,2,3,4}	$\chi^2(4) = 368.09, p < .001$
Allergic reactions on the skin	105 (26.9%)	146 (32.3%)	34 (38.6%)	55 (17.7%)	45 (10.2%)	$\chi^2(4) = 83.62, p < .001$

Infection and healing changes						
Increased susceptibility to illness (for example, becoming more frequently ill, or taking longer to recover from illness)	184 (47.2%) ^{2,3,4,5}	279 (61.7%) ^{1,4,5}	60 (68.2%) ^{1,4,5}	106 (34.1%) ^{1,2,3,5}	60 (13.6%) ^{1,2,3,4}	$\chi^2(4) = 256.33, p < .001$
Finding your skin takes longer to heal when cut or bruised	226 (57.9%) ^{3,4,5}	248 (54.9%) ^{3,4,5}	66 (75.0%) ^{1,2,4,5}	92 (29.6%) ^{1,2,3,5}	51 (11.6%) ^{1,2,3,4}	$\chi^2(4) = 299.81, p < .001$
Urinary/intestinal function						
Needing to urinate more often, or finding it difficult from stopping yourself urinate when you 'need to go'	141 (36.2%) ^{2,3,5}	277 (61.3%) ^{1,4,5}	57 (64.8%) ^{1,4,5}	95 (30.5%) ^{2,3,5}	81 (18.4%) ^{1,2,3,4}	$\chi^2(4) = 209.01, p < .001$
Needing to urinate less often, or finding it difficult to urinate	59 (15.1%) ^{2,4,5}	34 (7.5%) ^{1,5}	12 (13.6%) ^{4,5}	15 (4.8%) ^{1,3}	9 (2.0%) ^{1,2,3}	$\chi^2(4) = 58.37, p < .001$
Loose bowels, diarrhoea, or needing to defecate more often	110 (28.2%) ^{2,3,5}	245 (54.2%) ^{1,4,5}	44 (50.0%) ^{1,4,5}	83 (26.7%) ^{2,3,5}	52 (11.8%) ^{1,2,3,4}	$\chi^2(4) = 205.7, p < .001$
Constipation	156 (40.0%) ^{2,4,5}	263 (58.2%) ^{1,4,5}	46 (52.3%) ^{4,5}	76 (24.4%) ^{1,2,3,5}	41 (9.3%) ^{1,2,3,4}	$\chi^2(4) = 267.25, p < .001$
Drinking and eating changes						
Having a 'sensitive stomach'	149 (38.2%) ^{2,5}	258 (57.1%) ^{1,4,5}	39 (44.3%) ⁵	111 (35.7%) ⁵	94 (21.3%) ^{1,2,3,4}	$\chi^2(4) = 122.94, p < .001$
Nausea	157 (40.3%) ^{2,3,4,5}	233 (51.5%) ^{1,4,5}	49 (55.7%) ^{1,4,5}	94 (30.2%) ^{1,2,3,5}	42 (9.5%) ^{1,2,3,4}	$\chi^2(4) = 206.41, p < .001$
Increase in weight	215 (55.1%) ^{2,4,5}	318 (70.4%) ^{1,4,5}	56 (63.6%) ^{4,5}	114 (36.7%) ^{1,2,3,5}	111 (25.2%) ^{1,2,3,4}	$\chi^2(4) = 214.94, p < .001$
Decrease in weight	77 (19.7%) ⁵	57 (12.6%)	19 (21.6%) ⁵	39 (12.5%)	36 (8.2%) ^{1,3}	$\chi^2(4) = 29.16, p < .001$
Allergic reactions to food and drink	53 (13.6%) ^{2,5}	116 (25.7%) ^{1,4,5}	20 (22.7%) ⁵	39 (12.5%) ^{2,5}	20 (4.5%) ^{1,2,3,4}	$\chi^2(4) = 85.62, p < .001$
Decreased alcohol tolerance	78 (20.0%) ²	163 (36.1%) ^{1,4,5}	20 (22.7%)	51 (16.4%) ²	66 (15.0%) ²	$\chi^2(4) = 70.13, p < .001$
Increased alcohol tolerance	16 (4.1%)	28 (6.2%)	9 (10.0%)	12 (3.9%)	28 (6.3%)	$\chi^2(4) = 7.85, p = .100$
Changes related to movement						
Weakness in any part of your body*	339 (86.9%) ^{4,5}	386 (85.4%) ^{4,5}	79 (89.8%) ^{4,5}	184 (59.2%) ^{1,2,3,5}	73 (16.6%) ^{1,2,3,4}	$\chi^2(4) = 630.75, p < .001$
Tremor in any part of your body*	215 (55.1%) ^{2,3,4,5}	199 (44.0%) ^{1,3,4,5}	62 (70.5%) ^{1,2,4,5}	65 (20.9%) ^{1,2,3,5}	22 (5.0%) ^{1,2,3,4}	$\chi^2(4) = 341.54, p < .001$
Problems with balance	271 (69.5%) ^{4,5}	343 (75.9%) ^{4,5}	64 (72.7%) ^{4,5}	136 (43.7%) ^{1,2,3,5}	32 (7.3%) ^{1,2,3,4}	$\chi^2(4) = 525.7, p < .001$
Falling more frequently	165 (42.3%) ^{3,4,5}	174 (38.5%) ^{3,4,5}	51 (58.0%) ^{1,2,4,5}	61 (19.6%) ^{1,2,3,5}	11 (2.5%) ^{1,2,3,4}	$\chi^2(4) = 259.44, p < .001$
Difficulties walking	279 (71.5%) ^{3,4,5}	314 (69.5%) ^{3,4,5}	75 (85.2%) ^{1,2,4,5}	126 (40.5%) ^{1,2,3,5}	15 (3.4%) ^{1,2,3,4}	$\chi^2(4) = , p < .001$
Changes in biological responses						
Sweating more*	261 (66.9%) ^{4,5}	279 (61.7%) ^{4,5}	63 (71.6%) ^{4,5}	90 (28.9%) ^{1,2,3,5}	76 (17.2%) ^{1,2,3,4}	$\chi^2(4) = 320.54, p < .001$
Sweating less*	14 (3.6%)	11 (2.4%)	4 (4.5%)	11 (3.5%)	7 (1.6%)	$\chi^2(4) = 5.11, p = .276$
Dizziness	200 (51.3%) ^{2,3,4,5}	308 (68.1%) ^{1,4,5}	62 (70.5%) ^{1,4,5}	116 (37.3%) ^{1,2,3,5}	47 (10.7%) ^{1,2,3,4}	$\chi^2(4) = 345.55, p < .001$

Hay fever	56 (14.4%) ³	93 (20.6%) ^{3,4,5}	31 (35.2%) ^{1,2,4,5}	34 (10.9%) ^{2,3}	54 (12.2%) ^{2,3}	$\chi^2(4) = 42.74, p < .001$
Loss of sexual desire	202 (51.8%) ^{2,4,5}	281 (62.2%) ^{1,4,5}	56 (63.6%) ^{4,5}	113 (36.3%) ^{1,2,3,5}	57 (12.9%) ^{1,2,3,4}	$\chi^2(4) = 264.6, p < .001$
Increased sexual desire	9 (2.3%) ⁵	9 (2.0%) ⁵	1 (1.1%)	7 (2.3%) ⁵	48 (10.9%) ^{1,2,4}	$\chi^2(4) = 60.03, p < .001$
Feeling unusually cold, or finding it difficult to get warm when you are cold	192 (49.2%) ^{2,4,5}	280 (61.9%) ^{1,4,5}	52 (59.1%) ^{4,5}	97 (31.2%) ^{1,2,3,5}	45 (10.2%) ^{1,2,3,4}	$\chi^2(4) = 292.00, p < .001$
Feeling unusually hot, or finding it difficult to cool down when you are hot	162 (41.5%) ^{2,3,4,5}	274 (60.6%) ^{1,4,5}	56 (63.6%) ^{1,4,5}	70 (22.5%) ^{1,2,3,5}	36 (8.2%) ^{1,2,3,4}	$\chi^2(4) = 327.83, p < .001$
One part or specific parts of your body feeling unusually cold*	252 (64.6%) ^{2,4,5}	145 (32.1%) ^{1,3,4,5}	48 (54.5%) ^{2,4,5}	58 (18.6%) ^{1,2,3,5}	38 (8.6%) ^{1,2,3,4}	$\chi^2(4) = 346.54, p < .001$
One part or specific parts of your body feeling unusually hot*	160 (41.0%) ^{2,4,5}	108 (23.9%) ^{1,3,4,5}	43 (48.9%) ^{2,4,5}	35 (11.3%) ^{1,2,3,5}	13 (2.9%) ^{1,2,3,4}	$\chi^2(4) = 239.19, p < .001$

* These items are part of the Budapest clinical diagnostic criteria for CRPS [1]

Group mean differed significantly from ¹CRPS, ²Fibromyalgia, ³CRPS+fibromyalgia, ⁴pain controls, and ⁵pain-free controls.

S6. Individual pain/discomfort/distress triggers and pain intensifiers

From Supplementary Table 5 and Supplementary Figure 3 it is evident that there are no individual items that were uniquely reported by any one pain group. Nor are there any items that were not reported as triggering pain, discomfort, and distress for at least some pain-free controls, although the frequencies of these reports are lower than for the pain groups. Most items were reported by a higher proportion of respondents with CRPS and/or fibromyalgia compared to the pain control group.

Respondents with fibromyalgia reported more often that caffeine, alcohol, bright lights, flashing lights, high-contrast images, loud or unpleasant noises, particular foods and particular smells triggered pain, discomfort, or distress; or intensified pain compared to respondents with CRPS. Respondents with CRPS reported more often that the touch of clothing/water/breeze triggered pain and distress; and intensified pain compared to respondents with fibromyalgia. Respondents with CRPS+fibromyalgia reported loud or unpleasant noises and warm/hot weather to trigger and intensify pain more often compared to respondents with only one of these conditions.

The responses that were provided in the free-text box are depicted per category in Supplementary Figure 4. The number of respondents who spontaneously mentioned additional items in the free-text box was lower than 10% per group, limiting how meaningful even qualitative group comparisons can be.

Supplementary Table 5. Proportion of respondents that choose each of the individual pain, discomfort, and distress triggers; and pain intensifiers.

Sensory sensitivity	CRPS (N = 339)	Fibromyalgia (N = 403)	CRPS+ Fibromyalgia (N = 79)	Pain controls (N = 275)	Pain-free controls (N = 393)	Statistics
Pain triggers						
Caffeine	7 (2.1%)	23 (5.7%) ⁵	5 (6.3%)	10 (3.6%)	6 (1.5%) ²	$\chi^2(4) = 14.57, p = .006$
Alcohol	22 (6.5%) ^{2,5}	54 (13.4%) ^{1,4,5}	10 (12.7%) ⁵	12 (4.4%) ^{2,5}	3 (0.8%) ^{1,2,3,4}	$\chi^2(4) = 57.33, p < .001$
Bright lights	56 (16.5%) ^{2,5}	119 (29.5%) ^{1,4,5}	15 (19.0%) ⁵	29 (10.5%) ^{2,5}	11 (2.8%) ^{1,2,3,4}	$\chi^2(4) = 115.44, p < .001$
Flashing lights	59 (17.4%) ^{4,5}	94 (23.3%) ^{4,5}	12 (15.2%) ⁵	22 (8.0%) ^{1,2,5}	7 (1.8%) ^{1,2,3,4}	$\chi^2(4) = 93.77, p < .001$
High-contrast images	15 (4.4%)	29 (7.2%) ⁵	5 (6.3%)	11 (4.0%)	6 (1.5%)	$\chi^2(4) = 15.89, p = .003$
Loud or unpleasant noises	101 (29.8%) ^{3,4,5}	115 (28.5%) ^{3,4,5}	35 (44.3%) ^{1,2,4,5}	41 (14.9%) ^{1,2,3,5}	13 (3.3%) ^{1,2,3,4}	$\chi^2(4) = 138.03, p < .001$
The touch of clothing/water/breeze	238 (70.2%) ^{2,4,5}	116 (28.8%) ^{1,3,4,5}	56 (70.9%) ^{2,4,5}	31 (11.3%) ^{1,2,3,5}	4 (1.0%) ^{1,2,3,4}	$\chi^2(4) = 528.39, p < .001$
Particular foods	31 (9.1%) ^{2,5}	97 (24.1%) ^{1,4,5}	13 (16.5%) ⁵	27 (9.8%) ^{2,5}	16 (4.1%) ^{1,2,3,4}	$\chi^2(4) = 82.05, p < .001$
Particular smells	17 (5.0%) ⁵	32 (7.9%) ^{4,5}	10 (12.7%) ^{4,5}	4 (1.5%) ^{2,3}	3 (0.8%) ^{1,2,3}	$\chi^2(4) = 42.84, p < .001$
Cold weather	224 (66.1%) ^{4,5}	240 (59.6%) ^{3,4,5}	59 (74.7%) ^{2,4,5}	79 (28.7%) ^{1,2,3,5}	20 (5.1%) ^{1,2,3,4}	$\chi^2(4) = 406.56, p < .001$
Warm or hot weather	124 (36.6%) ^{2,3,4,5}	102 (25.3%) ^{1,3,4,5}	39 (49.4%) ^{1,2,4,5}	30 (10.9%) ^{1,2,3,5}	4 (1.0%) ^{1,2,3,4}	$\chi^2(4) = 209.98, p < .001$
Other	71 (20.9%) ^{4,5}	58 (14.4%) ⁵	13 (16.5%) ⁵	34 (12.4%) ¹	5 (1.3%) ^{1,2,3,4}	$\chi^2(4) = 71.38, p < .001$
Discomfort triggers						
Caffeine	30 (8.8%)	61 (15.1%)	9 (11.4%)	27 (9.8%)	42 (10.7%)	$\chi^2(4) = 8.66, p = .070$
Alcohol	41 (12.1%) ²	82 (20.3%) ¹	10 (12.7%)	34 (12.4%)	66 (16.8%)	$\chi^2(4) = 13.16, p = .011$
Bright lights	156 (46.0%) ^{2,5}	286 (71.0%) ^{1,4,5}	45 (57.0%) ^{4,5}	108 (39.3%) ^{2,3}	140 (35.6%) ^{1,2,3}	$\chi^2(4) = 119.48, p < .001$
Flashing lights	131 (38.6%) ²	240 (59.6%) ^{1,4,5}	41 (51.9%) ^{4,5}	84 (30.5%) ^{2,3}	119 (30.3%) ^{2,3}	$\chi^2(4) = 92.84, p < .001$
High-contrast images	98 (28.9%) ^{2,3,5}	198 (49.1%) ^{1,4,5}	37 (46.8%) ^{1,4,5}	60 (21.8%) ^{2,3}	76 (19.3%) ^{1,2,3}	$\chi^2(4) = 106.62, p < .001$
Loud or unpleasant noises	153 (45.1%) ^{2,5}	239 (59.3%) ^{1,4,5}	44 (55.7%) ^{4,5}	97 (35.3%) ^{2,3}	137 (34.9%) ^{1,2,3}	$\chi^2(4) = 63.82, p < .001$
The touch of clothing/water/breeze	144 (42.5%) ^{4,5}	202 (50.1%) ^{4,5}	32 (40.5%) ^{4,5}	43 (15.6%) ^{1,2,3,5}	25 (6.4%) ^{1,2,3,4}	$\chi^2(4) = 238.81, p < .001$
Particular foods	38 (11.2%) ^{2,3}	106 (26.3%) ^{1,4,5}	19 (24.1%) ¹	35 (12.7%) ²	55 (14.0%) ²	$\chi^2(4) = 41.65, p < .001$
Particular smells	26 (7.7%) ^{2,3}	109 (27.0%) ^{1,4,5}	16 (20.3%) ^{1,5}	27 (9.8%) ²	24 (6.1%) ^{2,3}	$\chi^2(4) = 97.47, p < .001$
Cold weather	106 (31.3%) ⁵	160 (39.7%) ^{4,5}	28 (35.4%) ⁵	74 (26.9%) ^{2,5}	39 (9.9%) ^{1,2,3,4}	$\chi^2(4) = 96.30, p < .001$
Warm or hot weather	97 (28.6%) ^{2,4,5}	157 (39.0%) ^{1,4,5}	29 (36.7%) ^{4,5}	47 (17.1%) ^{1,2,3}	46 (11.7%) ^{1,2,3}	$\chi^2(4) = 95.55, p < .001$
Other	40 (11.8%) ⁵	53 (13.2%) ⁵	7 (8.9%) ⁵	22 (8.0%) ⁵	8 (2.0%) ^{1,2,3,4}	$\chi^2(4) = 36.18, p < .001$
Distress triggers						
Caffeine	5 (1.5%) ²	26 (6.5%) ¹	3 (3.8%)	13 (4.7%)	18 (4.6%)	$\chi^2(4) = 11.18, p = .025$

Alcohol	20 (5.9%)	21 (5.2%)	6 (7.6%)	19 (6.9%)	21 (5.3%)	$\chi^2(4) = 1.48, p = .830$
Bright lights	54 (15.9%) ^{2,5}	98 (24.3%) ^{1,4,5}	10 (12.7%) ⁵	34 (12.4%) ^{2,5}	15 (3.8%) ^{1,2,3,4}	$\chi^2(4) = 70.50, p < .001$
Flashing lights	58 (17.1%) ^{1,5}	111 (27.5%) ^{2,4,5}	19 (24.1%) ⁵	40 (14.5%) ^{2,5}	23 (5.9%) ^{1,2,3,4}	$\chi^2(4) = 70.78, p < .001$
High-contrast images	24 (7.1%) ²	69 (17.1%) ^{1,4,5}	9 (11.4%)	16 (5.8%) ²	15 (3.8%) ²	$\chi^2(4) = 51.17, p < .001$
Loud or unpleasant noises	89 (26.3%) ^{2,5}	164 (40.7%) ^{1,4,5}	30 (38.0%) ^{4,5}	55 (20.0%) ^{2,3,5}	45 (11.5%) ^{1,2,3,4}	$\chi^2(4) = 100.15, p < .001$
The touch of clothing/water/breeze	78 (23.0%) ^{2,4,5}	52 (12.9%) ^{1,4,5}	17 (21.5%) ^{4,5}	16 (5.8%) ^{1,2,3}	10 (2.5%) ^{1,2,3}	$\chi^2(4) = 91.54, p < .001$
Particular foods	19 (5.6%)	45 (11.2%) ⁵	6 (7.6%)	14 (5.1%)	10 (2.5%) ²	$\chi^2(4) = 26.69, p < .001$
Particular smells	20 (5.9%) ^{2,5}	62 (15.4%) ^{1,4,5}	11 (13.9%) ^{4,5}	13 (4.7%) ^{2,3}	7 (1.8%) ^{1,2,3}	$\chi^2(4) = 62.94, p < .001$
Cold weather	69 (20.4%) ^{4,5}	77 (19.1%) ^{4,5}	17 (21.5%) ^{4,5}	27 (9.8%) ^{1,2,3,5}	7 (1.8%) ^{1,2,3,4}	$\chi^2(4) = 79.50, p < .001$
Warm or hot weather	59 (17.4%) ^{4,5}	75 (18.6%) ^{4,5}	21 (26.6%) ^{4,5}	18 (6.5%) ^{1,2,3}	12 (3.1%) ^{1,2,3}	$\chi^2(4) = 76.91, p < .001$
Other	30 (8.8%) ⁵	47 (11.7%) ⁵	7 (8.9%) ⁵	15 (5.5%)	7 (1.8%) ^{1,2,3}	$\chi^2(4) = 32.57, p < .001$
Pain intensifiers						
Caffeine	21 (6.2%)	44 (10.9%)	7 (8.9%)	27 (9.8%)		$\chi^2(3) = 5.28, p = .153$
Alcohol	34 (10.0%)	66 (16.4%)	10 (12.7%)	27 (9.8%)		$\chi^2(3) = 9.24, p = .026$
Bright lights	122 (36.0%) ^{2,4}	218 (54.1%) ^{1,4}	38 (48.1%) ⁴	73 (26.5%) ^{1,2,3}		$\chi^2(3) = 57.41, p < .001$
Flashing lights	100 (29.5%) ^{2,4}	170 (42.2%) ^{1,4}	30 (38.0%) ⁴	53 (19.3%) ^{1,2,3}		$\chi^2(3) = 41.78, p < .001$
High-contrast images	47 (13.9%) ²	93 (23.1%) ^{1,4}	20 (25.3%) ⁴	24 (8.7%) ^{2,3}		$\chi^2(3) = 30.39, p < .001$
Loud or unpleasant noises	178 (52.5%) ^{3,4}	229 (56.8%) ^{3,4}	57 (72.2%) ^{1,2,4}	87 (31.6%) ^{1,2,3}		$\chi^2(3) = 60.93, p < .001$
The touch of clothing/water/breeze	267 (78.8%) ^{2,4}	175 (43.4%) ^{1,3,4}	62 (78.5%) ^{2,4}	44 (16.0%) ^{1,2,3}		$\chi^2(3) = 271.93, p < .001$
Particular foods	31 (9.1%) ²	68 (16.9%) ^{1,4}	11 (13.9%)	26 (9.5%) ²		$\chi^2(3) = 13.09, p = .004$
Particular smells	18 (5.3%) ²	74 (18.4%) ^{1,4}	11 (13.9%)	16 (5.8%) ²		$\chi^2(3) = 42.21, p < .001$
Cold weather	221 (65.2%) ⁴	228 (56.6%) ⁴	53 (67.1%) ⁴	94 (34.2%) ^{1,2,3}		$\chi^2(3) = 67.12, p < .001$
Warm or hot weather	155 (45.7%) ^{2,4}	134 (33.3%) ^{1,3,4}	43 (54.4%) ^{2,4}	40 (14.5%) ^{1,2,3}		$\chi^2(3) = 82.01, p = .001$
Other	54 (15.9%)	56 (13.9%)	13 (16.5%)	40 (14.5%)		$\chi^2(3) = 0.78, p = .854$

Group mean differed significantly from ¹CRPS, ²Fibromyalgia, ³CRPS+fibromyalgia, ⁴pain controls, and ⁵pain-free controls.

S7. Predictors of somatic sensations, bodily changes and sensory sensitivity

Supplementary Table 6. Outcomes of the multiple regression model of somatic sensations, bodily changes, pain/discomfort/distress triggers and pain intensifiers for respondents with CRPS and fibromyalgia.

Dependent / independent variables	CRPS			Fibromyalgia		
	F / B (95% CI)	p	R²	F / B (95% CI)	p	R²
<u>Somatic sensations (PHQ-15)</u>	<i>F</i> (7) = 28.07	< .001	.39	<i>F</i> (7) = 34.74	< .001	.41
Gender	0.90 (-0.45 to 2.25)	.190	.01	-0.07 (-1.77 to 1.62)	.931	0
Age	-0.02 (-0.05 to 0.02)	.422	0	-0.03 (-0.06 to 0)	.069	0.01
PHQ-9	0.25 (0.14 to 0.37)	< .001*	.06	0.29 (0.19 to 0.39)	< .001*	0.09
GAD-7	0.22 (0.10 to 0.34)	< .001*	.04	0.19 (0.10 to 0.29)	< .001*	0.04
Pain duration in years	0.05 (-0.01 to 0.11)	.076	.01	-0.02 (-0.06 to 0.02)	.431	0
Hours of pain per day	0.04 (-0.03 to 0.11)	.222	0	0.05 (-0.01 to 0.10)	.111	0.01
Number of medical diagnoses	0.57 (0.29 to 0.85)	< .001*	.05	0.30 (0.09 to 0.50)	.005*	0.02
<u>Total number of bodily changes</u>	<i>F</i> (7) = 15.00	< .001	.26	<i>F</i> (7) = 25.20	< .001	.34
Gender	0.89 (-1.41 to 3.19)	.446	0	2.58 (-0.48 to 5.64)	.098	.01
Age	0.03 (-0.03 to 0.09)	.362	0	0.02 (-0.04 to 0.08)	.530	0
PHQ-9	0.31 (0.12 to 0.51)	.002*	.03	0.43 (0.25 to 0.60)	< .001*	.01
GAD-7	0.11 (-0.09 to 0.31)	.284	0	0.07 (-0.11 to 0.24)	.446	0
Pain duration in years	0.09 (-0.01 to 0.18)	.078	.01	0.10 (0.03 to 0.17)	.009*	.01
Hours of pain per day	0.16 (0.04 to 0.27)	.007*	.02	0.12 (0.02 to 0.23)	.019*	.02
Number of medical diagnoses	1.33 (0.86 to 1.81)	< .001*	.09	0.95 (0.58 to 1.32)	< .001*	.03
<u>Proportion of pain/discomfort/distress triggers</u>	<i>F</i> (7) = 7.24	< .001	.14	<i>F</i> (7) = 9.03	< .001	.15
Gender	0.44 (-0.13 to 1.01)	.126	.01	0.66 (-0.27 to 1.62)	.160	.01
Age	0 (-0.02 to 0.01)	.652	0	-0.01 (-0.03 to 0.01)	.205	0
PHQ-9	0.04 (-0.01 to 0.09)	.124	.01	0.05 (-0.01 to 0.10)	.081	.01
GAD-7	0.05 (0 to 0.10)	.062	.01	0.02 (-0.03 to 0.08)	.377	0
Pain duration in years	0.02 (0 to 0.04)	.106	.01	0.02 (0 to 0.04)	.059	.01
Hours of pain per day	0.02 (-0.01 to 0.04)	.301	0	0.04 (0.01 to 0.07)	.020*	.02
Number of medical diagnoses	0.20 (0.08 to 0.32)	.001*	.04	0.19 (0.08 to 0.31)	.001*	.03
<u>Pain intensifiers</u>	<i>F</i> (7) = 5.39	< .001	.11	<i>F</i> (7) = 6.25	< .001	.11
Gender	0.37 (-0.43 to 1.17)	.364	0	0.97 (-0.29 to 2.22)	.129	.01
Age	0.01 (-0.01 to 0.04)	.227	0	0 (-0.03 to 0.02)	.729	0
PHQ-9	0.04 (-0.03 to 0.11)	.227	0	0.07 (0 to 0.15)	.046*	.01

GAD-7	0.04 (-0.03 to 0.11)	.305	0	-0.05 (-0.12 to 0.02)	.197	0
Pain duration in years	0.04 (0.01 to 0.08)	.008*	.02	0.06 (0.03 to 0.09)	< .001*	.04
Hours of pain per day	0.03 (-0.01 to 0.07)	.091	.01	0.02 (-0.02 to 0.07)	.280	0
Number of medical diagnoses	0.23 (0.07 to 0.40)	.006*	.02	0.13 (-0.03 to 0.28)	.105	.01

Abbreviations: Patient Health Questionnaire-9, PHQ-9; Patient Health Questionnaire-15, PHQ-15; Generalized

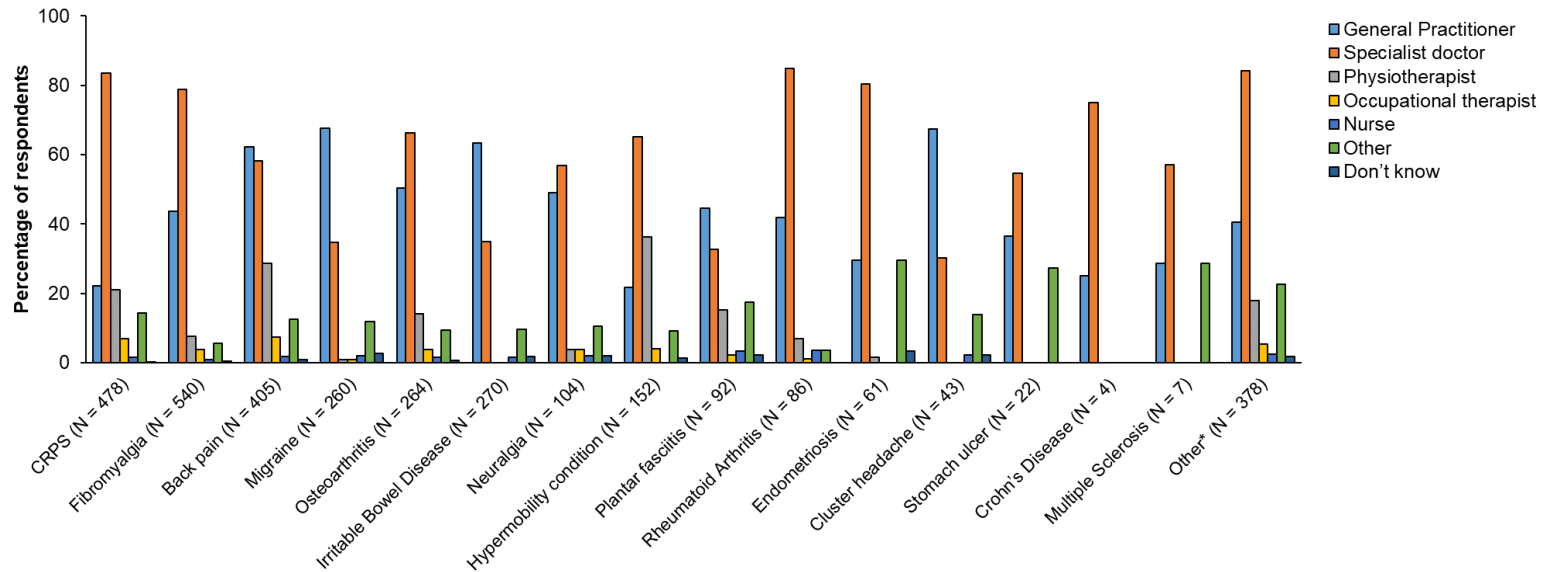
Anxiety Disorder-7, GAD-7.

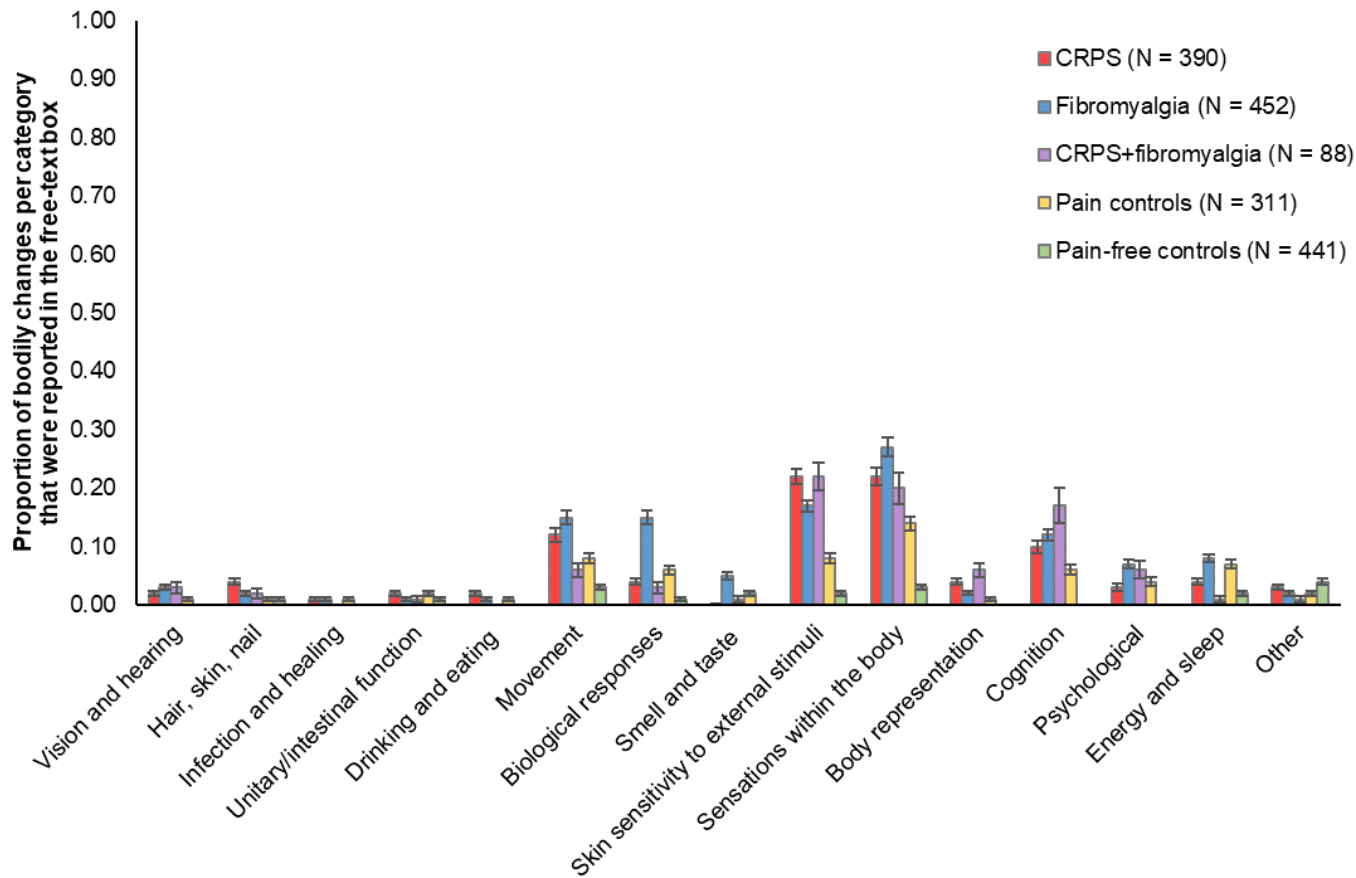
* Significant at alpha < .05

References

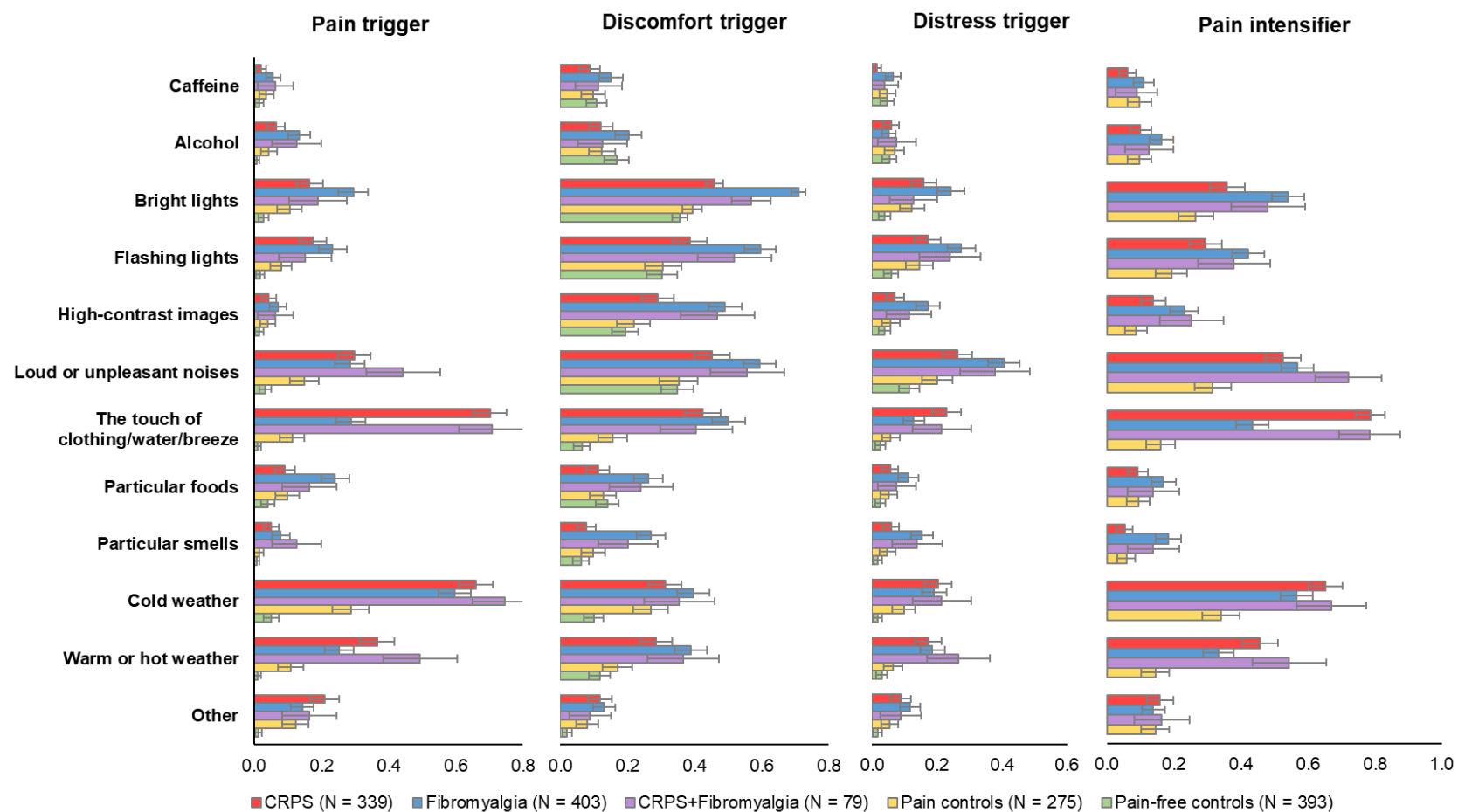
- [1] Harden NR, Bruhl S, Perez RSGM, Birklein F, Marinus J, Maihofner C, Lubenow T, Buvanendran A, Mackey S, Graciosa J, Mogilevski M, Ramsden C, Chont M, Vatine J-J. Validation of proposed diagnostic criteria (the “Budapest Criteria”) for Complex Regional Pain Syndrome. *Pain* 2010;150:268–274.

Supplementary Figure 1. Percentages of medical practitioners that respondents received their medical diagnosis from, split per medical diagnosis. Note that respondents could report multiple practitioners who had provided the medical diagnosis, thus percentages do not sum to 100. * ‘Other’ medical diagnoses indicate the number of respondents who received 1 or more other medical diagnosis.





Supplementary Figure 2. Proportion of bodily changes provided in the free-text box, depicted per category. Answers in the free-text box were categorized in the existing categories or in new categories. Error bars depict 95% confidence intervals. Note that these means are not corrected for our covariates, nor did we compare groups statistically.

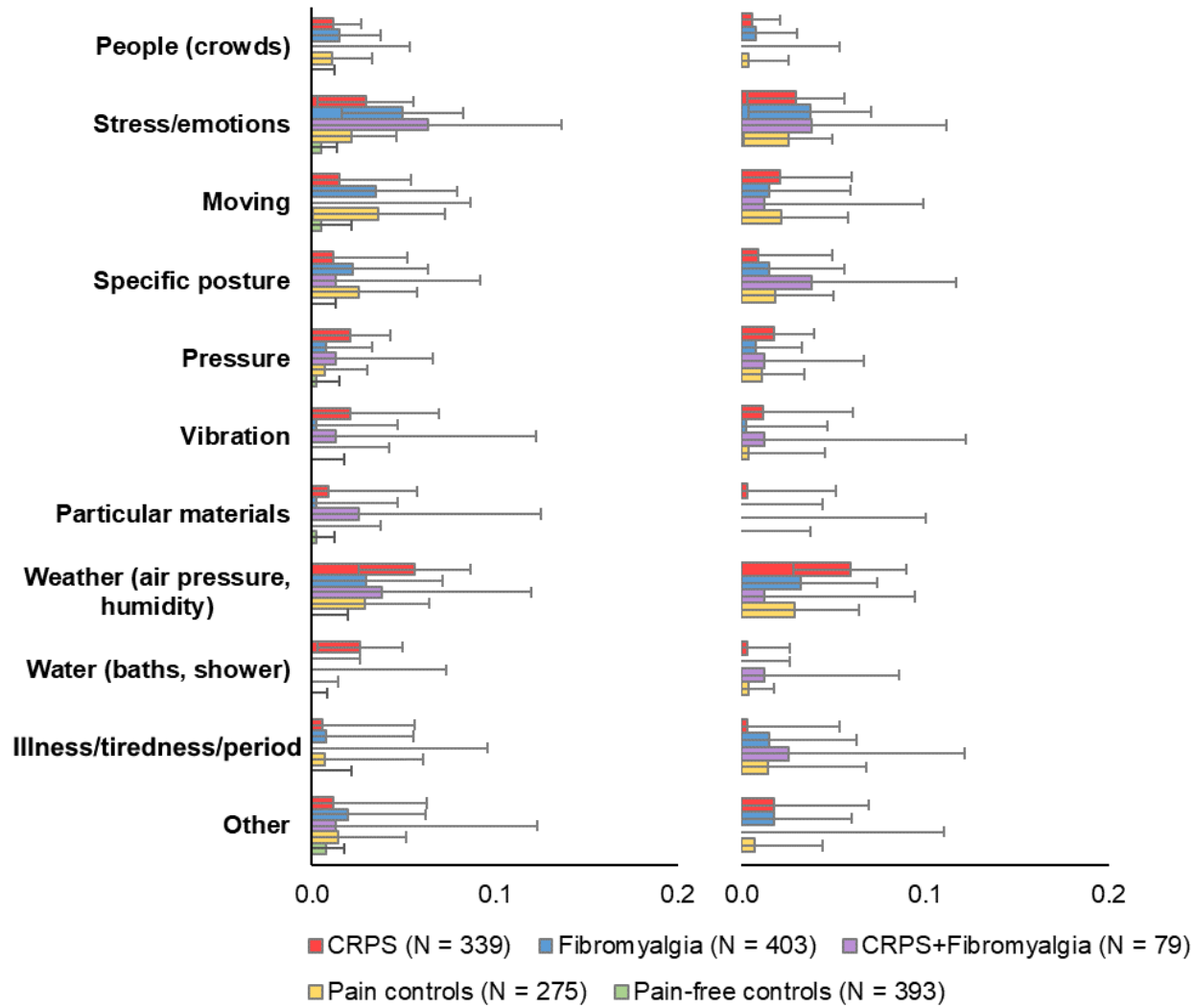


Supplementary Figure 3. Proportion of respondents who selected each of the pain, discomfort, distress triggers, and pain intensifiers.

Error bars depict 95% confidence intervals. Note that these means are not corrected for our covariates, nor did we compare groups statistically.

Other pain/discomfort/distress triggers

Other pain intensifiers



Supplementary Figure 4. Proportion of pain/discomfort/distress triggers provided in the free-text box, depicted per category. Answers in the free-text box were categorized in the existing categories or in new categories. Error bars depict 95% confidence intervals. Note that these means are not corrected for our covariates, nor did we compare groups statistically.