

## Supplementary Material A: Search strategy

### PRESS Guideline 2015— Search Submission & Peer Review Assessment

Reference: McGowan J, Sampson M, Salzwedel DM, Cogo E, Foerster V, Lefebvre C. PRESS Peer Review of Electronic Search Strategies: 2015 guideline statement. *J Clin Epidemiol* 2016;75:40-6. Available: [http://www.jclinepi.com/article/S0895-4356\(16\)00058-5/pdf](http://www.jclinepi.com/article/S0895-4356(16)00058-5/pdf).

#### Search submission: This section to be filled in by the searcher

Searcher: Becky Skidmore

Date submitted: 2024 May 28

Date requested by: 2024 May 31 AM

#### 1. Systematic Review Title

Resources to assist patients in communicating the nature of chronicpain

#### 2. This search strategy is ...

X	My PRIMARY (core) database strategy — First time submitting a strategy for search question and database
	My PRIMARY (core) strategy — Follow-up review NOT the first time submitting a strategy for search question and database. If this is a response to peer review, itemize the changes made to the review suggestions
	SECONDARY search strategy— First time submitting a strategy for search question and database
	SECONDARY search strategy — NOT the first time submitting a strategy for search question and database. If this is a response to peer review, itemize the changes made to the review suggestions

#### 3. Database (e.g., MEDLINE, CINAHL)

[mandatory]

MEDLINE

#### 4. Interface (e.g., Ovid, EbscoHost...)

[mandatory]

Ovid

#### 5. Research Question (Describe the purpose of the search)

[mandatory]

The objective of our patient-initiated project is to synthesize the evidence on resources (e.g., guides and tools) for people with chronic pain to communicate with health professionals about the nature of their pain.

1. What resources are available to help people with chronic pain communicate with health professionals about the nature of their pain?
2. Who participated in the studies on these resources?
3. What outcomes were measured in those studies?

**6. PICO Format** Outline the PICOs for your question — i.e., Patient, Intervention, Comparison, Outcome, and Study Design — as applicable (or PCC, as applicable)

<b>P</b>	People living with chronic pain
<b>C</b>	Resources, including written material, guides and tools, that help people living with chronic pain to explain the nature of their pain, including intensity and type
<b>C</b>	Medical or rehabilitation visits in a clinic or hospital, at home, or during a telehealth session
<b>S</b>	All study designs eligible

**7. Inclusion Criteria** (List criteria such as age groups, study designs, etc., to be included) *[optional]*

**9. Exclusion Criteria** (List criteria such as study designs, date limits, etc., to be excluded) **[optional]**

**10. Was a search filter applied?** Yes                      **No**

If YES, which one(s) (e.g., Cochrane RCT filter, PubMed Clinical Queries filter)? Provide the source if this is a published filter. *[mandatory if YES to previous question — textbox]*

**11. Notes or comments you feel would be useful for the peer reviewer** *[optional]*

We have attempted to ID a broad range of conditions associated with chronic pain but have not been exhaustive.

**12. Please copy and paste your search strategy here, exactly as run, including the number of hits per line.**  
**[mandatory]**

Database: Ovid MEDLINE(R) ALL <1946 to May 24, 2024>

Search Strategy:

- 
- 1 exp Arthralgia/ (16287)
  - 2 exp Arthritis/ (305545)
  - 3 Chronic Disease/ (285416)
  - 4 exp Neoplasms/ (3974532)
  - 5 exp Peripheral Nervous System Diseases/ (170366)
  - 6 Rheumatic Diseases/ (25363)

7 ((rheumat\* adj3 disease?) or arthralgia? or arthrodynia? or arthriti? or (joint? adj2 pain\*) or osteoarthritis? or osteoarthriti? or neuropath\* or neuro-path\* or periarthriti\* or peri-arthriti\* or polyarthralgia? or poly-arthralgia? or polyarthriti\* or poly-arthriti\* or polymyalgia? or poly-myalgia? or sacroiliiti\* or sacro-iliiti\* or spondylarthriti\* or spondyl-arthriti\* or spondylarthropath\* or spondyl-arthropath\* or spondyloarthrit\* or spondylo-arthritis\* or ankylosing Spondylit\*).ti,kw,kf. (301079)

8 (cancer\* or carcinoid\* or carcinoma\* or carcinosarcoma\* or carcino-sarcoma\* or adenocancer\* or adeno-cancer\* or adenocarcinoma\* or adeno-carcinoma\* or adenoma\* or blastoma\* or lymphoma\* or malignan\* or mesenchymoma\* or mesothelioma\* or neoplasia\* or neoplasm\* or sarcoma\* or tumour\* or tumor\*).ti,kw,kf. (2948842)

9 (chronic\* adj2 (condition? or disease\* or disorder\* or ill or illness\* or problem\* or syndrome\*)).ti,kw,kf. (114653)

10 or/1-9 [**CHRONIC CONDITIONS**] (5402617)

11 exp Analgesia/ (50371)

12 exp Pain/ (476086)

13 Neuralgia/ (18455)

14 Pain Management/ (42255)

15 (analgesi\* or myalgia\* or neuralgi\* or pain\*).ti,tw,kf. (992167)

16 or/11-15 [**PAIN**] (1151784)

17 10 and 16 [**CHRONIC CONDITIONS + PAIN**] (290657)

18 Central Nervous System Sensitization/ (1056)

19 Complex Regional Pain Syndromes/ (1926)

20 Dysmenorrhea/ (4779)

21 Endometriosis/ (26504)

22 exp Ehlers-Danlos Syndrome/ (3835)

23 Fatigue Syndrome, Chronic/ (6359)

24 Fibromyalgia/ (10303)

25 Irritable Bowel Syndrome/ (9890)

26 exp Myofascial Pain Syndromes/ (6929)

27 Musculoskeletal Pain/ (4857)

28 Neuralgia/ (18455)

29 Restless Legs Syndrome/ (4398)

30 Scoliosis/ (21458)

31 Spinal Stenosis/ (7491)

32 Vulvodynia/ (593)

33 ((central or central nervous system or CNS) adj sensiti#ation\*).ti,kw,kf. (1477)

34 (nociplastic adj (myalgia\* or neuralgi\* or pain\*)).ti,kw,kf. (140)

35 (complex regional pain syndrome? or fibromyalgia\*).ti,kw,kf. (12223)

36 (dysmenorrhea\* or (pain\* adj2 menstrua\*) or endometrios\* or endometrioma or vulvodynia\* or vulvo-dynia\* or vestibulodynia\* or vestibulo-dynia\*).ti,kw,kf. (27557)

37 (ehlers danlos or cutis elastica\*).ti,kw,kf. (3526)

38 (chronic\* fatigue\* or (encephalomyelitis adj1 myalgic) or postviral fatigue\* or post-viral fatigue\* or systemic exertion Intoleran\*).ti,kw,kf. (6227)

39 irritable bowel?.ti,kw,kf. (11116)

40 ((myofascial adj (myalgia\* or neuralgi or pain\*)) or ((tmj or temporomandibular joint? or temporo-mandibular joint?) adj2 (myalgia\* or neuralgi\* or pain\* or syndrome?))).ti,kw,kf. (2693)

41 ((myalgia\* or neuralgi\* or pain\*) adj5 (musculo-skeletal\* or musculoskeletal\* or sciatic\* or somatic or tissue\*)).ti,kw,kf. (7230)

42 (neuralgi\* or (piriformis adj2 syndrome?)).ti,kw,kf. (12587)

43 (restless leg? or willis ekbom or wittmaack ekbom).ti,kw,kf. (4137)

44 scolios#.ti,kw,kf. (17815)

45 (spinal stenosis#s or (vertebral adj2 stenosis#s)).ti,kw,kf. (4336)

46 (cervical spondylotic myelopath\* or cervical spondylomyelopath\*).ti,kw,kf. (1938)

47 (CNCP or CNMP).ti,kw,kf. (24)

48 or/18-47 [**Conditions with underlying assumption of Chronicity & Pain**] (162600)

49 exp Abdominal Pain/ (34275)

50 exp Back Pain/ (46374)

51 exp Chest Pain/ (58192)

52 exp Diverticulitis/ (7241)  
53 Facial Pain/ (7351)  
54 exp Headache/ (32556)  
55 exp Headache Disorders/ (41433)  
56 Hyperalgesia/ (14462)  
57 (hyperalgesi\* or hyper-algesi\* or allodynia\*).ti,kw,kf. (7830)  
58 Pelvic Inflammatory Disease/ (5412)  
59 exp Pelvic Pain/ (11625)  
60 exp Visceral Pain/ (846)  
61 (((myalgia\* or neuralgi\* or pain\*) adj5 (abdominal\* or angina or chest or diverticulitis or facial\* or genital\* or genito\* or headache\* or head-ache\* or migraine\* or orofacial\* or oro-facial\* or neck or pelvic or pelvis or thorax or vaginal\* or visceral or vulva or vulvar or vulvovaginal\* or vulvo-vaginal\*)) or (pelvi\* adj2 inflammat\* adj disease?)).ti,kw,kf. (45283)  
62 or/49-61 [**Conditions with underlying assumption of Pain, Chronicity added in Line #63**] (269025)  
63 (chronic\* or intractable or persisten\* or recur\* or reoccur\* or refract\*).mp. [CHRONICITY] (3102110)  
64 Chronic Pain/ (24484)  
65 Cancer Pain/ (2543)  
66 Pain, Intractable/ (6421)  
67 ((chronic\* or constant\* or continual\* or continuous\* or ceaseless\* or endless\* or incessant\* or interminabl\* or intractable or longterm or long-term or nonstop\* or non-stop\* or perpetual\* or persist\* or recur\* or refractory or reoccur\* or sustained or relentless\* or unabab\* or unceasing or unending or uninterrupt\* or unrelenting or unrelieved or unremitt\*) adj3 (myalgia\* or neuralgi\* or pain\*)).tw,kw,kf. (126435)  
68 or/64-67 [**CHRONIC PAIN**] (134813)  
69 17 or 48 or (62 and 63) or 68 [**CHRONIC PAIN CONDITIONS, CONCEPTS**] (522386)  
70 Communication/ and (aid or aids or booklet\* or guid\* or "hand out" or "hand outs" or handout? or material? or pamphlet\* or prop or props or resource? or tool? or toolkit?).ti,kw,kf. (4439)  
71 exp Language/ and (aid or aids or booklet\* or guid\* or "hand out" or "hand outs" or handout? or material? or pamphlet\* or prop or props or resource? or tool? or toolkit?).ti,kw,kf. (7454)  
72 exp Narration/ and (aid or aids or booklet\* or guid\* or "hand out" or "hand outs" or handout? or material? or pamphlet\* or prop or props or resource? or tool? or toolkit?).ti,kw,kf. (299)  
73 exp Nonverbal Communication/ and (aid or aids or booklet\* or guid\* or "hand out" or "hand outs" or handout? or material? or pamphlet\* or prop or props or resource? or tool? or toolkit?).ti,kw,kf. (531)  
74 exp Communication Barriers/ and (aid or aids or booklet\* or guid\* or "hand out" or "hand outs" or handout? or material? or pamphlet\* or prop or props or resource? or tool? or toolkit?).ti,kw,kf. (269)  
75 communicat\*.ti,kw,kf. (111451)  
76 communicat\*.ab. /freq=2 (99776)  
77 ((communicat\* or language\* or linguistic\* or narrat\* or nonverbal\* or non-verbal\* or pictur\* or pictorial\* or semantic\* or verbal\* or word or words or written or visual\*) adj5 (aid or aids or assist\* or booklet\* or guid\* or "hand out" or "hand outs" or handout? or material? or pamphlet\* or prop or props or resource? or tool? or toolkit?)).tw,kw,kf. (66295)  
78 ((characteri\* or chronicl\* or describ\* or explain\* or express\* or report\* or self-report\* or selfreport\* or verballi\*) adj3 (myalgia\* or neuralgi\* or pain\*) adj5 (aid or aids or booklet\* or guid\* or "hand out" or "hand outs" or handout? or material? or pamphlet\* or prop or props or resource? or tool? or toolkit?)).tw,kw,kf. (407)  
79 (infograph\* or info-graph\*).tw,kw,kf. (1175)  
80 Metaphor/ (2452)  
81 metaphor\*.tw,kw,kf. (7407)  
82 or/70-81 [**COMMUNICATION TOOLS**] (242542)  
83 69 and 82 [**CHRONIC PAIN - COMMUNICATION TOOLS**] (2733)  
84 exp Animals/ not Humans/ (5224753)  
85 83 not 84 [**ANIMAL-ONLY RECORDS REMOVED**] (2692)  
86 limit 85 to yr="2000-current" [**DATE LIMIT APPLIED**] (2505)

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**Peer review assessment: this section to be filled in by the reviewer**

Do you wish to be acknowledged? (If yes, the review team will be advised to add an acknowledgement to any publications related to this work). Yes please.

The suggested acknowledgement is "We thank Kaitryn Campbell, MLIS, MSc for peer review of the Medline search strategy."

### 1. TRANSLATION

A -No revisions	X
B - Revision(s) suggested	
C - Revision(s) required	

If "B" or "C," please provide an explanation or example:

### 2. BOOLEAN AND PROXIMITY OPERATORS

A -No revisions	X
B - Revision(s) suggested	
C - Revision(s) required	

If "B" or "C," please provide an explanation or example:

### 3. SUBJECT HEADINGS

A -No revisions	X
B - Revision(s) suggested	
C - Revision(s) required	

If "B" or "C," please provide an explanation or example:

### 4. TEXT WORD SEARCHING

A -No revisions	
B - Revision(s)suggested	
C - Revision(s) required	X

If "B" or "C," please provide an explanation or example:

Line 15, I believe, should be corrected to the following: (analgesi\* or myalgia\* or neuralgi\* or pain\*).ti,kw,kf.

**5. SPELLING, SYNTAX, AND LINE NUMBERS**

A -No revisions	X
B - Revision(s)suggested	
C - Revision(s) required	

If “B” or “C,” please provide an explanation or example:

**6. LIMITS AND FILTERS**

A -No revisions	X
B - Revision(s) suggested	
C - Revision(s) required	

If “B” or “C,” please provide an explanation or example:

**OVERALL EVALUATION (Note: If one or more “revision required” is noted above, the response below must be “revisions required”.)**

A -No revisions	
B - Revision(s) suggested	
C - Revision(s) required	X

Additional comments:

Nicely done—just the one correction, no additional comments/suggestions.