

Online supplementary text S1. Systematic literature search methods

Electronic database searches

In accordance with the systematic literature search performed in 2010, the following databases were searched. Search terms and strategies for the bibliographic databases are reported below.

Name of database	Date Limits	Platform/Provider
MEDLINE (<i>Medical Literature Analysis and Retrieval System Online</i>)	Year 2010 - 20171201	OVID
EMBASE (<i>Excerpta Medica Database</i>)	Year 2010 - 20171201	OVID
Cochrane CENTRAL (<i>The Cochrane Central Register of Controlled Trials</i>)	Year 2010 - 20171201	Cochrane Library assessed through Wiley Online Library
CINAHL (<i>Cumulative Index of Nursing and Allied Health Literature</i>)	20100801 - 20171201	EBSCOhost
PsycINFO (<i>Resource for abstracts and citations of behavioural and social science research</i>)	20100801 - 20171201	EBSCOhost

OVID SP Search (MEDLINE, EMBASE)

The strategy is in OVID syntax; the search was conducted simultaneously across MEDLINE and EMBASE.

OVID Conventions:

\$ or * = truncation character (wildcard)

ADJn = search terms within a specified number (n) of words from each other in any order

exp = “explodes” controlled vocabulary term (e.g., expands search to all more specific related terms in the vocabulary's hierarchy)

.tw. = limit to title and abstract fields

.mp. = combined search fields (default if no fields are specified)

Set (#). Search Statement

1. exp arthritis, rheumatoid/
2. ((rheumatoid or reumatoid or revmatoid or rheumatic or reumatic or revmatic or rheumat\$ or reumat\$ or revmarthrit\$) adj3 (arthrit\$ or artrit\$ or diseas\$ or condition\$ or nodule\$)).tw.
3. (felty\$ adj2 syndrome).tw.
4. (caplan\$ adj2 syndrome).tw.
5. (sjogren\$ adj2 syndrome).tw.
6. (sicca adj2 syndrome).tw.
7. still\$ disease.tw.
8. bechterew\$ disease.tw.
9. exp Spondylarthropathies/
10. (ankylos\$ or spondyl\$).tw.
11. (bekhterev\$ or bechterew\$).tw.
12. (Marie adj struempell\$).tw.
13. exp Arthritis, Psoriatic/
14. (psoria\$ adj (arthriti\$ or arthropath\$)).tw.
15. ((arthriti\$ or arthropath\$) adj psoria\$).tw.
16. undifferentiated oligoarthritis.tw.
17. or/1-16
18. exp Inflammatory Bowel Diseases/
19. exp Arthritis/
20. 18 and 19
21. ((inflamm\$ or ibd or crohn\$ or enteropath\$) adj5 (arthrit\$ or arthrop\$)).tw.
22. (granulomatous colitis adj5 (arthrit\$ or arthrop\$)).tw.
23. (ulcerative colitis adj5 (arthrit\$ or arthrop\$)).tw.
24. (granulomatous enteritis adj5 (arthrit\$ or arthrop\$)).tw.
25. (regional enteritis adj5 (arthrit\$ or arthrop\$)).tw.
26. (Ileocolitis adj5 (arthrit\$ or arthrop\$)).tw.
27. (terminal ileitis adj5 (arthrit\$ or arthrop\$)).tw.
28. (regional ileitis adj5 (arthrit\$ or arthrop\$)).tw.

29. or/17,20-28
30. exp Nurse/
31. (Nurs\$ adj (care or role\$ or skill\$ or competenc\$ or care or assessment\$ or diagnosis or intervention\$)).tw.
32. exp nursing/
33. (registered adj nurs\$).tw.
34. (qualified adj nurs\$).tw.
35. (student adj nurs\$).tw.
36. (practice\$ adj nurs\$).tw.
37. (nurs\$ adj administrator).tw.
38. exp nurse practitioner/
39. (expert adj nurs\$).tw.
40. (advanced adj nur\$ adj pract\$).tw.
41. (nurs\$ adj (led or manag\$ or clinic\$ or directed)).tw.
42. exp nurse clinicians/
43. advanced practice nurse.mp.
44. nurse.mp.
45. nurse practi*.mp.
46. Clinical nurse specialist\$.mp.
47. rheumatology nurs*.mp.
48. physician assistant\$.mp.
49. (nurs\$ adj (consultant\$ or specialist\$ or counsel\$)).tw.
50. or/30-49
51. 29 AND 50

Cochrane Library (The Cochrane Central Register of Controlled Trials)

A separate search strategy was built for the Cochrane database for this update because of changes in the search interface and search features of the Cochrane Library. The search strategy was built from the original search strategy/terms for OVID hosted databases with the incorporation of MeSH terms.

Cochrane Conventions:

[mh] = specify a MeSH heading

* = search for one or more characters

Ti, ab, kw = limit to title, abstract field, keywords

Near/n = finds the terms when they are within X words of each other where X = the maximum number of words between search terms. Terms can appear in either order.

NEAR = finds the terms when they are within 6 words of each other. Terms can appear in either order.

NEXT = finds the terms when they appear next to each other. Terms must appear in the order specified (Incorporates auto-pluralisation and auto- singularisation as well as other variant word endings).

? = single character search

= indicate line number

Set (#). Search Statement

1. arthritis, rheumatoid
2. [mh "Arthritis"]
3. MeSH descriptor: [Rheumatic Diseases] explode all trees and with qualifier(s):
[Complications - CO]
4. ((rheumatoid or reumatoid or revmatoid or rheumatic or reumatic or revmatic or rheumat* or reumat* or revmarthrit*) NEXT/3 (arthrit* or artrit* or diseas* or condition* or nodule*)):ti,ab,kw
5. (felty* near/2 syndrome):ti,ab,kw
6. [mh "felty syndrome"]
7. (caplan* near/2 syndrome):ti,ab,kw
8. Caplan syndrome
9. [mh "Caplan Syndrome"]
10. (sjogren* near/2 syndrome):ti,ab,kw
11. sjogren's syndrome
12. [mh "Sjogren's Syndrome"]
13. (sicca near/2 syndrome):ti,ab,kw
14. sicca syndrome
15. still? disease:ti,ab,kw

16. [mh "still's disease, adult-onset"]
17. bechterew* disease:ti,ab,kw
18. (bekhterev* or bechterew*):ti,ab,kw
19. Spondylarthropathies
20. [mh spondylarthropathies]
21. (ankylos* or spondyl*):ti,ab,kw
22. [mh "spondylitis, ankylosing"]
23. Ankylosing Spondylarthritis
24. (Marie NEAR struempell*):ti,ab,kw
25. Arthritis, Psoriatic
26. psoriatic arthritis
27. [mh "Arthritis, Psoriatic"]
28. (psoria* next (arthriti* or arthropath*)):ti,ab,kw
29. ((arthriti* or arthropath*) next psoria*):ti,ab,kw
30. undifferentiated oligoarthritis:ti,ab,kw
31. undifferentiated and oligoarthritis
32. {or #1-#31}
33. Inflammatory Bowel Diseases
34. [mh "inflammatory bowel diseases"]
35. Arthritis
36. [mh "Arthritis"]
37. (#33 or #34) and (#35 or #36)
38. ((inflamm* or ibd or crohn? or enteropath*) NEXT/5 (arthrit* or arthrop*)):ti,ab,kw
39. (granulomatous colitis NEXT/5 (arthrit* or arthrop*)):ti,ab,kw
40. (ulcerative colitis NEXT/5 (arthrit* or arthrop*)):ti,ab,kw
41. (granulomatous enteritis NEXT/5 (arthrit* or arthrop*)):ti,ab,kw
42. (regional enteritis NEXT/5 (arthrit* or arthrop*)):ti,ab,kw
43. (Ileocolitis NEXT/5 (arthrit* or arthrop*)):ti,ab,kw
44. (terminal ileitis NEXT/5 (arthrit* or arthrop*)):ti,ab,kw
45. (regional ileitis NEXT/5 (arthrit* or arthrop*)):ti,ab,kw
46. [mh "Crohn Disease"]
47. granulomatous enteritis:ti,ab,kw
48. granulomatous colitis:ti,ab,kw

49. regional enteritis:ti,ab,kw
50. ileocolitis:ti,ab,kw
51. regional ileitis:ti,ab,kw
52. [mh "colitis, ulcerative"]
53. ulcerative colitis:ti,ab,kw
54. [mh "sarcoidosis"]
55. Sarcoidosis:ti,ab,kw
56. {or #46-#55} and (arthrit* or arthrop*)
57. {or #32, #37-#45, #56}
58. Nurse
59. [mh "nurses"]
60. (Nurs* NEXT (care or role? or skill* or competenc* or care or assessment* or diagnosis or intervention*)):ti,ab,kw
61. nursing
62. [mh "Nursing"]
63. (registered NEXT nurs*):ti,ab,kw
64. (qualified NEXT nurs*):ti,ab,kw
65. (student NEXT nurs*):ti,ab,kw
66. [mh "students, nursing"]
67. (practice* NEXT nurs*):ti,ab,kw
68. (nurs* NEXT administrator):ti,ab,kw
69. nurse practitioner
70. [mh "nurse practitioners"]
71. (expert NEXT nurs*):ti,ab,kw
72. (advanced NEXT nurs* NEXT pract*):ti,ab,kw
73. (nurs* NEXT (led or manag* or clinic* or directed))ti,ab,kw
74. [mh "nurse clinicians"]
75. nurse clinicians
76. [mh "nurse clinicians"]
77. advanced practice nurse:ti,ab,kw
78. nurse:ti,ab,kw
79. nurse practi*:ti,ab,kw
80. Clinical nurse specialist*:ti,ab,kw

81. rheumatology nurs*:ti,ab,kw
82. physician assistant*:ti,ab,kw
83. [mh "physician assistants"]
84. (nurs* NEXT (consul* or special* or counsel*)):ti,ab,kw
85. [mh "psychiatric nursing"]
86. Psychiatric Nursing
87. [mh "advanced practice nursing"]
88. [mh "nurses, public health"]
89. {or #58-#88}
90. #57 AND #89

EBSCOhost search (CINAHL, PsycINFO)

EBSCOhost Conventions:

MH = Search the exact subject heading; searches both major and minor headings

* = truncation character

+ = 'explode' a subject heading

TX = will cause the search to look for the keyword in the full text as well as the citation record.

DE = search for exact subject headings within the Subject Fields section of a citation

S = indicate line number

Set (#). Search Statement - CINAHL

1. (MH "arthritis, rheumatoid+")
2. TX ((rheumatoid or reumatoid or revmatoid or rheumatic or reumatic or revmatic or rheumat* or reumat* or revmarthrit*) and (arthrit* or artrit* or diseas* or condition* or nodule*))
3. TX (felty* syndrome)
4. TX (caplan* syndrome)
5. TX (sjogren* syndrome)

6. TX (sicca syndrome)
7. TX (still* disease)
8. TX (bechterew* disease)
9. (MH “Spondylarthropathies+”)
10. TX (ankylos* or spondyl*)
11. TX (bekhterev* or bechterew*)
12. TX (Marie struempell*)
13. (MH “Arthritis, Psoriatic+”)
14. TX (psoria* and (arthriti* or arthropath*))
15. TX ((arthriti* or arthropath*) and psoria*)
16. TX (undifferentiated oligoarthritis)
17. (MH “Inflammatory Bowel Diseases+”)
18. (MH “Arthritis+”)
19. S17 and S18
20. TX ((inflamm* or ibd or crohn* or enteropath*) and (arthrit* or arthrop*))
21. TX (granulomatous colitis and (arthrit* or arthrop*))
22. TX (ulcerative colitis and (arthrit* or arthrop*))
23. TX (granulomatous enteritis and (arthrit* or arthrop*))
24. TX (regional enteritis and (arthrit* or arthrop*))
25. TX (Ileocolitis and (arthrit* or arthrop*))
26. TX (terminal ileitis and (arthrit* or arthrop*))
27. TX (regional ileitis and (arthrit* or arthrop*))
28. (MH “Nurses+”)
20. TX (Nurs* and (care or role* or skill* or competenc* or care or assessment* or diagnosis or intervention*))
30. nursing
31. TX (registered nurs*)
32. TX (qualified nurs*)
33. TX (student nurs*)
34. TX (practice* nurs*)
35. TX (nurs* administrator)
36. (MH “nurse practitioners+”)
37. TX (expert nurs*)

38. TX (advanced nurs* pract*)
30. TX (nurs* and (led or manag* or clinic* or directed))
40. nurse clinicians
41. advanced practice nurse
42. (MH "Advanced Practice Nurses+")
43. nurse
44. nurse practi*
45. Clinical nurse specialist
46. rheumatology nurs*
47. physician assistant*
48. nurs* and (consultant* or specialist* or counsel*)
49. or/S28-48
50. or/S1-16
51. S50 or/S19-27
52. S49 AND S51

Set (#). Search Statement - PsycINFO

1. DE "Rheumatoid Arthritis"
2. TX ((rheumatoid or reumatoid or revmatoid or rheumatic or reumatic or revmatic or rheumat* or reumat* or revmarthrit*) and (arthrit* or artrit* or diseas* or condition* or nodule*))
3. TX (felty* syndrome)
4. TX (caplan* syndrome)
5. TX (sjogren* syndrome)
6. TX (sicca syndrome)
7. TX (still* disease)
8. TX (bechterew* disease)
9. TX (ankylos* or spondyl*)
10. TX (bekhterev* or bechterew*)
11. TX (Marie struempell*)
12. TX (psoria* and (arthriti* or arthropath*))
13. TX ((arthriti* or arthropath*) and psoria*)
14. TX (undifferentiated oligoarthritis)

15. psoriatic arthritis
16. spondylarthropathies
17. Inflammatory Bowel Diseases
18. DE "Arthritis"
19. S17 and S18
20. or/S1-16
21. TX ((inflamm* or ibd or crohn* or enteropath*) and (arthrit* or arthrop*))
22. TX (granulomatous colitis and (arthrit* or arthrop*))
23. TX (ulcerative colitis and (arthrit* or arthrop*))
24. TX (granulomatous enteritis and (arthrit* or arthrop*))
25. TX (regional enteritis and (arthrit* or arthrop*))
26. TX (Ileocolitis and (arthrit* or arthrop*))
27. TX (terminal ileitis and (arthrit* or arthrop*))
28. TX (regional ileitis and (arthrit* or arthrop*))
29. DE "Nurses" OR DE "Psychiatric Nurses" OR DE "Public Health Service Nurses" OR DE "School Nurses"
30. TX (Nurs* and (care or role* or skill* or competenc* or care or assessment* or diagnosis or intervention*))
31. DE "Nursing"
32. TX (registered nurs*)
33. TX (qualified nurs*)
34. TX (student nurs*)
35. TX (practice* nurs*)
36. TX (nurs* administrator)
37. nurse practitioner*
38. TX (expert nurs*)
39. TX (advanced nurs* pract*)
40. TX (nurs* and (led or manag* or clinic* or directed))
41. nurse clinicians
42. advanced practice nurse*
43. nurse
44. nurse practi*
45. Clinical nurse specialist

46. rheumatology nurs*
47. physician assistant*
48. nurs* and (consultant* or specialist* or counsel*)
49. or/S29-48
50. S1 or S3 or S5 or S6 or S8 or S9 or S10 or S12 or S13 or S14 or S16
51. S21 or S23 or S25 or S26
52. S50 or S51
52. S49 AND S52