

## Supplementary Material

### Medline Search Strategy

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#	Search Statement	Results
1	exp Back Pain/	38482
2	exp Low Back Pain/	21502
3	<a href="#">backache.mp.</a>	3678
4	exp Spine/	143299
5	(back pain or low back pain or lumbar pain or lumbago or dorsalgia or spinal pain or vertebral pain or backache or lumbar spine or spinal).mp. [mp=title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]	450905
6	1 or 2 or 3 or 4 or 5	498572
7	Primary Health Care/ or "Primary Health Care".mp.	90362
8	exp Health Personnel/	506701
9	(provider adj3 (initial or opening or first or primary or earl* or "type of" or intro*)).ti,ab.	5163
10	(care adj3 (earl* or initial or opening or first or primary or "type of" or intro*)).ti,ab.	156934
11	"Delivery of Health Care"/ or "delivery of health care".mp.	107793
12	"Referral and Consultation"/ or Referral*.mp.	154158
13	self referral.ti,ab.	1030
14	direct access.ti,ab.	3569
15	Chiropractic/ or chiropract*.mp.	7168
16	Nurses/ or <a href="#">nurse.mp.</a> or <a href="#">nurses.mp.</a> or <a href="#">nursing.mp.</a>	713719
17	Osteopathic Physicians/ or osteopath*.mp.	7372
18	exp Physical Therapists/ or physiotherap*.mp.	26749
19	massage therap*.mp.	1360
20	healthcare provider.ti,ab.	3471
21	Physicians/	88227
22	exp Triage/ or Triage*.mp. or Primary Triage*.mp.	22716
23	Emergency Service, Hospital/	67070
24	exp Decision Support Systems, Clinical/ or "Clinical Decision Support System".mp.	8672
25	Critical Pathways/ or "Critical pathway".mp.	7248
26	exp Patient Care Planning/	63056
27	(clinic adj3 (back or spin* or surgical or consultation* or assessment* or screen*)).mp. [mp=title, abstract, original title, name of substance word, subject heading	6340

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	word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]	
28	screening.ti,ab.	512812
29	7 or 8 or 9 or 10 or 11 or 12 or 13 or 14 or 15 or 16 or 17 or 18 or 19 or 20 or 21 or 22 or 23 or 24 or 25 or 26 or 27 or 28	1980746
30	6 and 29	25113
31	Retrospective Studies/ or <a href="#">retrospective.mp.</a>	973075
32	research synthese*.mp.	82
33	Randomized Controlled Trials as Topic/	132006
34	narrative review*.mp.	10158
35	Observational Study/	77580
36	Observational stud*.mp.	157889
37	Randomized Controlled Trials as Topic/ or randomised control <a href="#">trial.mp.</a>	133019
38	<a href="#">guideline.mp.</a> or Guideline/	110727
39	(RCTs or (Randomi?ed adj5 Trial*)).mp.	781711
40	Prospective Studies/ or prospective stud*.mp.	606077
41	Case-Control Studies/	281087
42	case-control stud*.mp.	315402
43	31 or 32 or 33 or 34 or 35 or 36 or 37 or 38 or 39 or 40 or 41 or 42	2625164
44	30 and 43	7134

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### CINAHL Search Strategy

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Search ID#	Search Terms	Results
S59	S43 AND S57	11,470
S58	S43 AND S57	11,805
	S44 OR S45 OR S46 OR S47 OR S48 OR S49 OR	
S57	S50 OR S51 OR S52 OR S53 OR S54 OR S55 OR S56	1,867,333
S56	(RCTs or (Randomi?ed N5 Trial*) (MH	
S55	"Randomized Controlled Trials+")	
S54	case control stud*	

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S53	(MH "Case Control Studies+")
S52	observational stud*
S51	(MH "Nonexperimental Studies+")
S50	guideline*
S49	(MH "Quality of Health Care+")
S48	narrative review*
S47	research synthese*
S46	prospective
S45	retrospective (MH "Prospective Studies+") OR
S44	(MH "Retrospective Design")
S43	S6 AND S42 S7 OR S8 OR S9 OR S10 OR S11 OR S12 OR S13 OR S14 OR S15 OR S16 OR S17 OR S18 OR S19 OR S20 OR S21 OR S22 OR S23
S42	OR S24 OR S25 OR S26 OR S27 OR S28 OR S29 OR S30 OR S31 OR S32 OR S33 OR S34 OR S35 OR S36 OR S37 OR S38 OR S39 OR S40 OR S41
S41	screening (clinic N3 (back or spin* or
S40	surgical or consultation* or assessment* or screen*))
S39	"(clinic N3 (back or spin* or surgical or consultation* or

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	assessment* or screen*)))"
S38	(MH "Critical Path")
S37	(MH "Nursing Care Plans+")
S36	"Clinical Decision Support System*"
S35	(MH "Decision Support Systems, Clinical")
S34	triage
S33	(MH "Triage")
	physiotherapist* or "physical therapist*" or "physical therapy"
S32	"(physiotherapist or physical therapist or physiotherapy or physical therapy)"
S31	(MH "Physical Therapists")
S30	Physician*
S29	(MH "Physicians+")
S28	"healthcare provider"
S27	massage therapist*
S26	(MH "Massage Therapists")
S25	osteopath*
S24	(MH "Osteopaths")
S23	(nurse or nurses or nursing)
S22	(MH "Nurses+")
S21	"chiropract*"
S20	(MH "Chiropractic+")
S19	"self referral"
S18	direct access
S17	(MH "Direct Access")
S16	Referral*
S15	

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S14	(MH "Referral and Consultation+")
S13	health care delivery
S12	(MH "Health Care Delivery+")
S11	(care N3 (earl* or initial or opening or first or primary or "type of" or intro*))
S10	(provider N3 (initial or opening or first or primary or earl* or "type of" or intro*))
S9	(MH "Health Personnel+")
S8	primary health care
S7	(MH "Primary Health Care")
S6	S1 OR S2 OR S3 OR S4 OR S5 (back pain or low back pain or lumbar pain or lumbago or dorsalgia or spinal pain or vertebral pain or backache or lumbar spine or spinal)
S4	(MH "Spine+")
S3	"backache"

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### EMBASE Search Strategy

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#	Search Statement	Results
1	exp Back Pain/	109711
2	exp Low Back Pain/	58315
3	<a href="#">backache.mp.</a>	54384
4	exp Spine/	201808
5	(back pain or low back pain or lumbar pain or lumbago or dorsalgia or spinal pain or vertebral pain or backache or lumbar spine or spinal).mp. [mp=title, abstract, heading	578245

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	word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word]	
6	1 or 2 or 3 or 4 or 5	665610
7	Primary Health Care/ or "Primary Health Care".mp.	77116
8	exp Health Personnel/	1567167
9	(provider adj3 (initial or opening or first or primary or earl* or "type of" or intro*)).ti,ab.	8214
10	(care adj3 (earl* or initial or opening or first or primary or "type of" or intro*)).ti,ab.	214957
11	"Delivery of Health Care"/ or "delivery of health care".mp.	137502
12	"Referral and Consultation"/ or Referral*.mp.	235266
13	self referral.ti,ab.	1437
14	direct access.ti,ab.	4676
15	Chiropractic/ or chiropract*.mp.	8080
16	Nurses/ or <a href="#">nurse.mp.</a> or <a href="#">nurses.mp.</a> or <a href="#">nursing.mp.</a>	761002
17	Osteopathic Physicians/ or osteopath*.mp.	9227
18	exp Physical Therapists/ or physiotherap*.mp.	115488
19	massage therap*.mp.	1806
20	healthcare provider.ti,ab.	5365
21	Physicians/	189708
22	exp Triage/ or Triage*.mp. or Primary Triage*.mp.	110446
23	Emergency Service, Hospital/	3903
24	exp Decision Support Systems, Clinical/ or "Clinical Decision Support System*".mp.	4552
25	Critical Pathways/ or "Critical pathway".mp.	9137
26	exp Patient Care Planning/	28095
27	(clinic adj3 (back or spin* or surgical or consultation* or assessment* or screen*)).mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword, floating subheading word, candidate term word]	11246
28	screening.ti,ab.	727278
29	7 or 8 or 9 or 10 or 11 or 12 or 13 or 14 or 15 or 16 or 17 or 18 or 19 or 20 or 21 or 22 or 23 or 24 or 25 or 26 or 27 or 28	3224307
30	6 and 29	69093
31	Retrospective Studies/ or <a href="#">retrospective.mp.</a>	1222783
32	research synthese*.mp.	78
33	Randomized Controlled Trials as Topic/	113037
34	narrative review*.mp.	10770
35	Observational Study/	194135
36	observational stud*.mp.	244194
37	Randomized Controlled Trials as Topic/ or randomised control <a href="#">trial.mp.</a>	114825
38	<a href="#">guideline.mp.</a> or Guideline/	458239
39	(RCTs or (Randomi?ed adj5 Trial*)).mp.	966396
40	Prospective Studies/ or prospective stud*.mp.	685218
41	Case-Control Studies/	115981
42	case-control stud*.mp.	212291

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43	31 or 32 or 33 or 34 or 35 or 36 or 37 or 38 or 39 or 40 or 41 or 42	3376238
44	30 and 43	19011
45	limit 44 to embase	10273

## AMED Search Strategy

#	Search Statement	Results
1	exp Low back pain/	4779
2	exp Spine/	5661
3	exp Backache/	6616
4	(back pain or low back pain or lumbar pain or lumbago or dorsalgia or spinal pain or vertebral pain or backache or lumbar spine or spinal).mp. [mp=abstract, heading words, title]	19087
5	1 or 2 or 3 or 4	21505
6	exp Primary health care/ or primary health <a href="#">care.mp.</a>	1232
7	health personnel/	1497
8	(provider adj3 (initial or opening or first or primary or earl* or "type of" or intro*)).mp. [mp=abstract, heading words, title]	85
9	(care adj3 (earl* or initial or opening or first or primary or "type of" or intro*)).mp. [mp=abstract, heading words, title]	3641
10	"delivery of health care"/ or health care delivery/	9789
11	"Referral and consultation"/	827
12	(referral* or consultation*).mp. [mp=abstract, heading words, title]	3893
13	direct <a href="#">access.mp.</a>	80
14	self <a href="#">referral.mp.</a>	30
15	Chiropractic/ or <a href="#">chiropractic.mp.</a>	8087
16	exp Nurses/	1052
17	(nurse* or nursing).mp. [mp=abstract, heading words, title]	14364
18	exp Osteopathy/	1659
19	osteopath*.mp.	2441
20	physical therapy speciality/	2148
21	(physiother* or physical therap*).mp. [mp=abstract, heading words, title]	23029
22	massage therapist*.mp.	86
23	Health care <a href="#">provider.mp.</a>	131
24	Physicians/ or Physicians.mp.	5097
25	Triage/	46
26	triage*.mp.	130
27	Clinical Decision Support System*.mp.	5
28	(clinic adj3 (back or spin* or surgical or consultation* or assessment* or screen*)).mp. [mp=abstract, heading words, title]	190
29	<a href="#">screening.mp.</a>	3872
30	6 or 7 or 8 or 9 or 10 or 11 or 12 or 13 or 14 or 15 or 16 or 17 or 18 or 19 or 20 or 21 or 22 or 23 or 24 or 25 or 26 or 27 or 28 or 29	65861
31	retrospective studies/	1071
32	retrospective stud*.mp.	1975
33	prospective studies/	1435
34	prospective stud*.mp.	3039
35	research synthese*.mp.	3

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36	narrative review*.mp. [mp=abstract, heading words, title]	228
37	observational stud*.mp. [mp=abstract, heading words, title]	1310
38	Randomized controlled trials/	2402
39	(RCTs or (Randomi?ed adj5 Trial*)).mp. [mp=abstract, heading words, title]	11013
40	case control studies/	242
41	case-control stud*.mp. [mp=abstract, heading words, title]	798
42	31 or 32 or 33 or 34 or 35 or 36 or 37 or 38 or 39 or 40 or 41	17656
43	5 and 30 and 42	784

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