

**Supplement A – Search Protocol (Guidelines or Systematic Reviews) EULAR Project.
 Screening, assessing, and managing of non-adherent behaviour in people with RMDs: a
 systematic literature review informing the 2020 EULAR points to consider**

Adherence to medications.....	2
PubMed	2
Embase	3
CINAHL	3
Cochrane Library.....	4
Adherence to diets	5
PubMed	5
Embase	6
Cinahl	6
Cochrane Library.....	7
Adherence to exercise	8
PubMed	8
Embase	9
Cochrane.....	9
Adherence to clinical visits	11
PubMed	11
Embase	12
CINAHL	12
Cochrane.....	14
Assessment Tools.....	15
Tools for medication adherence.....	15
PubMed	15
Embase	15
CINAHL	17
Cochrane Library.....	18
Tools for adherence to exercise.....	19
Pubmed	19
Embase	21
Cinahl	22
Cochrane Library.....	23

Adherence to medications

Database	Provider	Hits	Date for search
PubMed		836	2018.06.12
Embase	Embase.com	1559	2018.06.12
CINAHL	Ebsco Host	210	2018.06.12
Cochrane	Wiley	995	2018.06.12
Total		3600	2018.06.12
Total after duplicate search in Endnote		2844	
Total added to screen after duplicate search in Covidence		2822	2018.06.09

PubMed

Search	Query	Items found
#16	Search "Rheumatic Diseases"[Mesh] OR "Rheumatology"[Mesh] OR Rheumat*[Title/Abstract] OR arthrit*[Title/Abstract] OR osteoarthritis*[Title/Abstract]	333258
#17	Search ((barrier*[Title/Abstract] OR attend*[Title/Abstract] OR adher*[Title/Abstract] OR participat*[Title/Abstract] OR attitude*[Title/Abstract] OR belief*[Title/Abstract] OR complian*[Title/Abstract] OR noncomplian*[Title/Abstract] OR nonadher*[Title/Abstract] OR persist*[Title/Abstract] OR refus*[Title/Abstract] OR interrupt*[Title/Abstract] OR dropout*[Title/Abstract] OR drop out*[Title/Abstract] OR "no show"[Title/Abstract])) OR ("Treatment Adherence and Compliance"[Mesh])	1819940
#18	Search (((("Drug Therapy"[Mesh] OR "drug therapy"[Subheading])) OR "Antirheumatic Agents"[Mesh]) OR (Antirheumatic[tiab] OR Anti Rheumatic[tiab])) OR NSAID*[Title/Abstract] OR "Drug Prescriptions"[Mesh] OR ((medication*[Text Word] OR prescrib*[Text Word] OR prescription*[Text Word]))	2992504
#19	Search (((("Rheumatic Diseases"[Mesh] OR "Rheumatology"[Mesh] OR Rheumat*[Title/Abstract] OR arthrit*[Title/Abstract] OR osteoarthritis*[Title/Abstract])) AND (((barrier*[Title/Abstract] OR attend*[Title/Abstract] OR adher*[Title/Abstract] OR participat*[Title/Abstract] OR attitude*[Title/Abstract] OR belief*[Title/Abstract] OR complian*[Title/Abstract] OR noncomplian*[Title/Abstract] OR nonadher*[Title/Abstract] OR persist*[Title/Abstract] OR refus*[Title/Abstract] OR interrupt*[Title/Abstract] OR dropout*[Title/Abstract] OR drop out*[Title/Abstract] OR "no show"[Title/Abstract])) OR ("Treatment Adherence and Compliance"[Mesh]))) AND (((("Drug Therapy"[Mesh] OR "drug therapy"[Subheading])) OR "Antirheumatic Agents"[Mesh]) OR (Antirheumatic[tiab] OR Anti Rheumatic[tiab])) OR NSAID*[Title/Abstract] OR "Drug Prescriptions"[Mesh] OR ((medication*[Text Word] OR prescrib*[Text Word] OR prescription*[Text Word]))	7637
#20	Search (("Guideline"[Publication Type] OR "Guidelines as Topic"[Mesh])) OR ((Guideline*[Text Word] OR practice guideline*[Text Word] OR clinical guideline*[Text Word] OR guidance[Text Word] OR consensus[Text Word] OR recommendation*[Text Word]))	751554
#21	Search systematic[sb]	365924
#22	Search (((("Guideline"[Publication Type] OR "Guidelines as Topic"[Mesh])) OR ((Guideline*[Text Word] OR practice guideline*[Text Word] OR clinical guideline*[Text Word] OR guidance[Text Word] OR consensus[Text Word] OR recommendation*[Text Word]))) OR systematic[sb]	1022777
#23	Search (((("Rheumatic Diseases"[Mesh] OR "Rheumatology"[Mesh] OR Rheumat*[Title/Abstract] OR arthrit*[Title/Abstract] OR osteoarthritis*[Title/Abstract])) AND (((barrier*[Title/Abstract] OR attend*[Title/Abstract] OR adher*[Title/Abstract] OR participat*[Title/Abstract] OR attitude*[Title/Abstract] OR belief*[Title/Abstract] OR complian*[Title/Abstract] OR noncomplian*[Title/Abstract] OR nonadher*[Title/Abstract] OR persist*[Title/Abstract] OR refus*[Title/Abstract] OR interrupt*[Title/Abstract] OR dropout*[Title/Abstract] OR drop out*[Title/Abstract] OR "no show"[Title/Abstract])) OR ("Treatment Adherence and Compliance"[Mesh]))) AND (((("Drug Therapy"[Mesh] OR "drug therapy"[Subheading])) OR "Antirheumatic Agents"[Mesh]) OR (Antirheumatic[tiab] OR Anti Rheumatic[tiab])) OR NSAID*[Title/Abstract] OR "Drug Prescriptions"[Mesh] OR ((medication*[Text Word] OR prescrib*[Text Word] OR prescription*[Text Word]))) AND (((("Guideline"[Publication Type] OR "Guidelines as Topic"[Mesh])) OR ((Guideline*[Text Word] OR practice guideline*[Text Word] OR clinical guideline*[Text Word] OR guidance[Text Word] OR consensus[Text Word] OR recommendation*[Text Word]))) OR systematic[sb]	1119
#24	Search (((("Rheumatic Diseases"[Mesh] OR "Rheumatology"[Mesh] OR Rheumat*[Title/Abstract] OR arthrit*[Title/Abstract] OR osteoarthritis*[Title/Abstract])) AND (((barrier*[Title/Abstract] OR attend*[Title/Abstract] OR adher*[Title/Abstract] OR participat*[Title/Abstract] OR attitude*[Title/Abstract] OR belief*[Title/Abstract] OR	836

Search Query	Items found
complan*[Title/Abstract] OR noncomplan*[Title/Abstract] OR nonadher*[Title/Abstract] OR persist*[Title/Abstract] OR refus*[Title/Abstract] OR interrupt*[Title/Abstract] OR dropout*[Title/Abstract] OR drop out*[Title/Abstract] OR "no show"[Title/Abstract]) OR ("Treatment Adherence and Compliance"[Mesh])) AND (((((((("Drug Therapy"[Mesh] OR "drug therapy"[Subheading])) OR "Antirheumatic Agents"[Mesh]) OR (Antirheumatic[tiab] OR Anti Rheumatic[tiab])) OR NSAID*[Title/Abstract] OR "Drug Prescriptions"[Mesh]) OR ((medication*[Text Word] OR prescrib*[Text Word] OR prescription*[Text Word]))) AND (((("Guideline"[Publication Type] OR "Guidelines as Topic"[Mesh])) OR ((Guideline*[Text Word] OR practice guideline*[Text Word] OR clinical guideline*[Text Word] OR guidance[Text Word] OR consensus[Text Word] OR recommendation*[Text Word]))) OR systematic[sb]) Filters: Publication date from 2008/01/01 to 2018/12/31	

Embase

No.	Query	Results
#1	'rheumatic disease'/exp	243800
#2	'rheumatology'/exp	56468
#3	rheumat*:ti,ab OR arthrit*:ti,ab OR osteoarthritis*:ti,ab	386252
#4	#1 OR #2 OR #3	454910
#5	'patient attitude'/exp barrier*:ti,ab OR attend*:ti,ab OR adher*:ti,ab OR participat*:ti,ab OR attitude*:ti,ab OR belief*:ti,ab OR complian*:ti,ab OR noncomplan*:ti,ab OR nonadher*:ti,ab OR persist*:ti,ab OR refus*:ti,ab OR interrupt*:ti,ab OR dropout*:ti,ab OR 'drop out*':ti,ab OR 'no show':ti,ab	347359
#6	#5 OR #6	2215780
#7	#7 OR #6	2421833
#8	'drug therapy'/exp	2411127
#9	'drug therapy'/lnk	3581573
#10	'antirheumatic agent'/exp	554502
#11	'prescription'/exp antirheumatic:ti,ab OR 'anti rheumatic':ti,ab OR nsaid*:ti,ab OR medication*:ti,ab OR	162993
#12	prescrib*:ti,ab OR prescription*:ti,ab	691289
#13	#8 OR #9 OR #10 OR #11 OR #12	5488394
#14	#4 AND #7 AND #13 guideline*:ti,ab,de OR 'practice guideline*':ti,ab,de OR 'clinical guideline*':ti,ab,de OR	19728
#15	guidance:ti,ab,de OR consensus:ti,ab,de OR recommendation*:ti,ab,de (systematic OR method*) NEAR/3 (review* OR overview* OR study OR studies OR search* OR approach*):ti,ab,de	1093831
#16	'meta analy*':ti,ab,de OR 'meta-analy*':ti,ab,de OR metaanaly*:ti,ab,de	1245133
#17	'systematic review'/exp OR 'meta analysis'/exp	227900
#18	#16 OR #17 OR #18	245463
#19	#15 OR #19	1358280
#20	#14 AND #20	2327838
#21	#14 AND #20	4209
#22	'conference abstract'/it	3034012
#23	#21 NOT #22	2169
#24	[2008-2018]/py	13488242
#25	#23 AND #24	1559

CINAHL

Search ID#	Search Terms	Search Options	Results
S1	(MH "Rheumatology")	Search modes - Boolean/Phrase	1,688
S2	(MH "Rheumatic Diseases+")	Search modes - Boolean/Phrase	34,412
S3	Rheumat* OR arthrit* OR osteoarthritis*	Search modes - Boolean/Phrase	47,066
S4	S1 OR S2 OR S3	Search modes - Boolean/Phrase	52,964

Search ID#	Search Terms	Search Options	Results
S5	(MH "Patient Compliance+") OR (MH "Treatment Refusal")	Search modes - Boolean/Phrase	32,574
S6	barrier* OR attend* OR adher* OR participat* OR attitude* OR belief* OR complian* OR noncomplian* OR nonadher* OR persist* OR refus* OR interrupt* OR dropout* OR drop out* OR "no show"	Search modes - Boolean/Phrase	480,915
S7	S5 OR S6	Search modes - Boolean/Phrase	480,915
S8	(MH "Drug Therapy+")	Search modes - Boolean/Phrase	95,449
S9	(MH "Prescriptions, Drug")	Search modes - Boolean/Phrase	5,539
S10	(MH "Antirheumatic Agents+")	Search modes - Boolean/Phrase	34,126
S11	Antirheumatic OR Anti Rheumatic OR NSAID* OR medication* OR prescrib* OR prescription*	Search modes - Boolean/Phrase	126,536
S12	S8 OR S9 OR S10 OR S11	Search modes - Boolean/Phrase	219,196
S13	S4 AND S7 AND S12	Search modes - Boolean/Phrase	1,237
S14	(Guideline* or guidance or consensus or recommendation*) OR PT practice guidelines	Search modes - Boolean/Phrase	180,116
S15	(PT (Systematic Review or Meta Analysis)) OR ((((systematic or method*) N3 (review* or overview* or study or studies or search* or approach*)) or meta analy* or meta-analy* or metaanaly*)) OR ((pooled N1 (data or analys*)))	Search modes - Boolean/Phrase	169,204
S16	S14 OR S15	Search modes - Boolean/Phrase	328,056
S17	S13 AND S16	Search modes - Boolean/Phrase	293
S18	S13 AND S16	Limiters - Published Date: 20080101-20181231 Search modes - Boolean/Phrase	210

Cochrane Library

ID	Search	Hits
#1	MeSH descriptor: [Rheumatic Diseases] explode all trees	13904
#2	Rheumat* or arthrit* or osteoarthritis*	34813
#3	#1 or #2	35807
#4	MeSH descriptor: [Treatment Adherence and Compliance] explode all trees	22898
#5	barrier* or attend* or adher* or participat* or attitude* or belief* or complian* or noncomplian* or nonadher* or persist* or refus* or interrupt* or dropout* or drop out* or "no show"	191228
#6	#4 or #5	198585
#7	#3 and #6	6747
#8	MeSH descriptor: [Drug Therapy] explode all trees	138470
#9	Antirheumatic or Anti Rheumatic or NSAID* or medication* or prescrib* or prescription*	93724
#10	MeSH descriptor: [Antirheumatic Agents] explode all trees	10022
#11	#8 or #9 or #10	219453
#12	#7 and #11 Publication Year from 2008 to 2018	2135

Result 927 Cochrane Reviews and 48 Other Reviews

Adherence to diets

Guidelines and Systematic Reviews

Database	Provider	Hits	Date for search
PubMed	Pubmed.gov	53	2018.06.25
Embase	Embase.com	132	2018.06.26
CINAHL	Ebsco Host	37	2018.06.26
Cochrane	Wiley	320	2018.06.26
Total		542	2018.06.26
Total after duplicate search in Endnote		508	2018.06.26
Total added to Screen after duplicate search in Covidence		53	2018.09.27

PubMed

Search Query	Items found
#11 Search "Rheumatic Diseases"[Mesh] OR "Rheumatology"[Mesh] OR Rheumat*[Title/Abstract] OR arthrit*[Title/Abstract] OR osteoarthritis*[Title/Abstract]	333853
#12 Search ((barrier*[Title/Abstract] OR attend*[Title/Abstract] OR adher*[Title/Abstract] OR participat*[Title/Abstract] OR attitude*[Title/Abstract] OR belief*[Title/Abstract] OR complian*[Title/Abstract] OR noncomplian*[Title/Abstract] OR nonadher*[Title/Abstract] OR persist*[Title/Abstract] OR refus*[Title/Abstract] OR interrupt*[Title/Abstract] OR dropout*[Title/Abstract] OR drop out*[Title/Abstract] OR "no show"[Title/Abstract])) OR ("Treatment Adherence and Compliance"[Mesh])	1824104
#13 Search (((("Diet Therapy"[Mesh] OR "diet therapy"[Subheading]) OR "Diet"[Mesh])) OR ((diet[Title/Abstract] OR diets[Title/Abstract]))) OR "Nutrition Therapy"[Mesh:noexp] OR nutrition therap*[Title/Abstract]	478797
#14 Search (((("Rheumatic Diseases"[Mesh] OR "Rheumatology"[Mesh] OR Rheumat*[Title/Abstract] OR arthrit*[Title/Abstract] OR osteoarthritis*[Title/Abstract])) AND (((barrier*[Title/Abstract] OR attend*[Title/Abstract] OR adher*[Title/Abstract] OR participat*[Title/Abstract] OR attitude*[Title/Abstract] OR belief*[Title/Abstract] OR complian*[Title/Abstract] OR noncomplian*[Title/Abstract] OR nonadher*[Title/Abstract] OR persist*[Title/Abstract] OR refus*[Title/Abstract] OR interrupt*[Title/Abstract] OR dropout*[Title/Abstract] OR drop out*[Title/Abstract] OR "no show"[Title/Abstract])) OR ("Treatment Adherence and Compliance"[Mesh]))) AND (((("Diet Therapy"[Mesh] OR "diet therapy"[Subheading]) OR "Diet"[Mesh])) OR ((diet[Title/Abstract] OR diets[Title/Abstract]))) OR "Nutrition Therapy"[Mesh:noexp] OR nutrition therap*[Title/Abstract]	349
#15 Search (("Guideline"[Publication Type] OR "Guidelines as Topic"[Mesh])) OR ((Guideline*[Text Word] OR practice guideline*[Text Word] OR clinical guideline*[Text Word] OR guidance[Text Word] OR consensus[Text Word] OR recommendation*[Text Word]))	753621
#16 Search systematic[sb]	367305
#17 Search (((("Guideline"[Publication Type] OR "Guidelines as Topic"[Mesh])) OR ((Guideline*[Text Word] OR practice guideline*[Text Word] OR clinical guideline*[Text Word] OR guidance[Text Word] OR consensus[Text Word] OR recommendation*[Text Word]))) OR systematic[sb])	1025914
#18 Search (((("Rheumatic Diseases"[Mesh] OR "Rheumatology"[Mesh] OR Rheumat*[Title/Abstract] OR arthrit*[Title/Abstract] OR osteoarthritis*[Title/Abstract])) AND (((barrier*[Title/Abstract] OR attend*[Title/Abstract] OR adher*[Title/Abstract] OR participat*[Title/Abstract] OR attitude*[Title/Abstract] OR belief*[Title/Abstract] OR complian*[Title/Abstract] OR noncomplian*[Title/Abstract] OR nonadher*[Title/Abstract] OR persist*[Title/Abstract] OR refus*[Title/Abstract] OR interrupt*[Title/Abstract] OR dropout*[Title/Abstract] OR drop out*[Title/Abstract] OR "no show"[Title/Abstract])) OR ("Treatment Adherence and Compliance"[Mesh]))) AND (((("Diet Therapy"[Mesh] OR "diet therapy"[Subheading]) OR "Diet"[Mesh])) OR ((diet[Title/Abstract] OR diets[Title/Abstract]))) OR "Nutrition Therapy"[Mesh:noexp] OR nutrition therap*[Title/Abstract])) AND (((("Guideline"[Publication Type] OR "Guidelines as Topic"[Mesh])) OR ((Guideline*[Text Word] OR practice guideline*[Text Word] OR clinical guideline*[Text Word] OR guidance[Text Word] OR consensus[Text Word] OR recommendation*[Text Word]))) OR systematic[sb])	62
#19 Search (((("Rheumatic Diseases"[Mesh] OR "Rheumatology"[Mesh] OR Rheumat*[Title/Abstract] OR arthrit*[Title/Abstract] OR osteoarthritis*[Title/Abstract])) AND (((barrier*[Title/Abstract] OR attend*[Title/Abstract] OR adher*[Title/Abstract] OR participat*[Title/Abstract] OR attitude*[Title/Abstract] OR belief*[Title/Abstract] OR complian*[Title/Abstract] OR noncomplian*[Title/Abstract] OR nonadher*[Title/Abstract] OR persist*[Title/Abstract] OR refus*[Title/Abstract] OR interrupt*[Title/Abstract] OR dropout*[Title/Abstract] OR drop out*[Title/Abstract] OR "no show"[Title/Abstract])) OR ("Treatment Adherence and	53

Search Query	Items found
Compliance"[Mesh])) AND (((("Diet Therapy"[Mesh] OR "diet therapy"[Subheading]) OR "Diet"[Mesh])) OR ((diet[Title/Abstract] OR diets[Title/Abstract])) OR "Nutrition Therapy"[Mesh:noexp]) OR nutrition therap*[Title/Abstract])) AND (((("Guideline"[Publication Type] OR "Guidelines as Topic"[Mesh])) OR ((Guideline*[Text Word] OR practice guideline*[Text Word] OR clinical guideline*[Text Word] OR guidance[Text Word] OR consensus[Text Word] OR recommendation*[Text Word]))) OR systematic[sb]) Filters: Publication date from 2008/01/01 to 2018/12/31	

Embase

No	Query	Results
#1	'rheumatic disease'/exp	244029
#2	'rheumatology'/exp	56613
#3	rheumat*:ti,ab OR arthrit*:ti,ab OR osteoarthritis*:ti,ab,kw	389442
#4	#1 OR #2 OR #3	458094
#5	'diet therapy'/exp OR 'diet'/exp	559373
#6	diet*:ti,ab	630342
#7	(nutrition* NEAR/2 therap*):ti,ab,kw	7251
#8	#5 OR #6 OR #7	892885
#9	'patient attitude'/exp	348193
#10	barrier*:ti,ab OR attend*:ti,ab OR adher*:ti,ab OR participat*:ti,ab OR attitude*:ti,ab OR belief*:ti,ab OR complian*:ti,ab OR noncomplian*:ti,ab OR nonadher*:ti,ab OR persist*:ti,ab OR refus*:ti,ab OR interrupt*:ti,ab OR dropout*:ti,ab OR 'drop out*':ti,ab OR 'no show':ti,ab,kw	2219258
#11	#9 OR #10	2425766
#12	#4 AND #8 AND #11	1326
#13	'conference abstract'/it	3052310
#14	[2008-2018]/py	3
#15	#12 NOT #13	775
#16	#14 AND #15	491
#17	guideline*:ti,ab,de OR 'practice guideline*':ti,ab,de OR 'clinical guideline*':ti,ab,de OR guidance:ti,ab,de OR consensus:ti,ab,de OR recommendation*:ti,ab,de ((systematic OR method*) NEAR/3 (review* OR overview* OR study OR studies OR search* OR approach*)):ti,ab,de	1096056
#18	'meta analy*':ti,ab,de OR 'meta-analy*':ti,ab,de OR metaanaly*:ti,ab,de	1245133
#19	'systematic review'/exp OR 'meta analysis'/exp	227900
#20	'systematic review'/exp OR 'meta analysis'/exp	245463
#21	#17 OR #18 OR #19 OR #20	2331961
#22	#16 AND #21	132

Cinahl

Search ID#	Search Terms	Search Options	Results
S1	(MH "Rheumatology")	Search modes - Boolean/Phrase	1,693
S2	(MH "Rheumatic Diseases+")	Search modes - Boolean/Phrase	34,482
S3	Rheumat* OR arthrit* OR osteoarthritis*	Search modes - Boolean/Phrase	47,018
S4	S1 OR S2 OR S3	Search modes - Boolean/Phrase	52,923
S5	(MH "Diet+")	Search modes - Boolean/Phrase	63,442
S6	(MH "Diet Therapy+")	Search modes - Boolean/Phrase	16,576
S7	diet* OR (nutrition* N2 (therap*))	Search modes - Boolean/Phrase	119,494
S8	S5 OR S6 OR S7	Search modes - Boolean/Phrase	132,931
S9	(MH "Patient Compliance+") OR (MH "Treatment Refusal")	Search modes - Boolean/Phrase	32,661

Search ID#	Search Terms	Search Options	Results
S10	barrier* OR attend* OR adher* OR participat* OR attitude* OR belief* OR complian* OR noncomplian* OR nonadher* OR persist* OR refus* OR interrupt* OR dropout* OR drop out* OR "no show"	Search modes - Boolean/Phrase	482,203
S11	S9 OR S10	Search modes - Boolean/Phrase	482,203
S12	S4 AND S8 AND S11	Search modes - Boolean/Phrase	191
S13	(Guideline* or guidance or consensus or recommendation*) OR PT practice guidelines	Search modes - Boolean/Phrase	180,650
S14	(PT (Systematic Review or Meta Analysis)) OR ((((systematic or method*) N3 (review* or overview* or study or studies or search* or approach*)) or meta analy* or meta-analy* or metaanaly*)) OR ((pooled N1 (data or analys*)))	Search modes - Boolean/Phrase	169,854
S15	S13 OR S14	Search modes - Boolean/Phrase	329,145
S16	S12 AND S15	Search modes - Boolean/Phrase	48
S17	S12 AND S15	Limiters - Published Date: 20080101-20181231 Search modes - Boolean/Phrase	37

Cochrane Library

ID	Search	Hits
#1	MeSH descriptor: [Rheumatology] explode all trees	102
#2	MeSH descriptor: [Rheumatic Diseases] explode all trees	13904
#3	Rheumat* or arthrit* or osteoarthritis*	34812
#4	#1 or #2 or #3	35806
#5	MeSH descriptor: [Diet] explode all trees	16738
#6	MeSH descriptor: [Diet Therapy] explode all trees	5382
#7	diet*	71260
#8	nutrition* next therap*	691
#9	#5 or #6 or #7 or #8	74185
#10	MeSH descriptor: [Rheumatic Diseases] explode all trees	13904
#11	Rheumat* or arthrit* or osteoarthritis*	34812
#12	#10 or #11	35806
#13	MeSH descriptor: [Treatment Adherence and Compliance] explode all trees	22899
#14	barrier* or attend* or adher* or participat* or attitude* or belief* or complian* or noncomplian* or nonadher* or persist* or refus* or interrupt* or dropout* or drop out* or "no show"	191237
#15	#13 or #14	198594
#16	#12 and #15	6745
#17	#4 and #9 and #16 Publication Year from 2008 to 2018	483

312 Cochrane Reviews and 8 Other Reviews

Adherence to exercise

Guidelines and Systematic Reviews

Database	Provider	Hits	Date for search
Pubmed	Pubmed.gov	531	2018.06.26
Embase	Embase.com	875	2018.06.26
CINAHL	Ebsco Host	212	2018.06.26
Cochrane	Wiley	739	2018.06.26
Total		2357	2018.06.26
Total after duplicate search in Endnote		1943	2018.06.26
Total added to screen after duplicate search in Covidence		832	2018.09.27

PubMed

Search	Query	Items found
#1	Search "Rheumatic Diseases"[Mesh] OR "Rheumatology"[Mesh] OR Rheumat*[Title/Abstract] OR arthrit*[Title/Abstract] OR osteoarthritis*[Title/Abstract]	333913
#2	Search (((("Exercise Therapy"[Mesh]) OR "Sports"[Mesh]) OR "Exercise"[Mesh]) OR "Exercise Movement Techniques"[Mesh])) OR ((kinesiotherap*[Title/Abstract] OR exercis*[Title/Abstract] OR motion*[Title/Abstract] OR train*[Title/Abstract] OR sport*[Title/Abstract] OR fitness[Title/Abstract]))	1035094
#3	Search ((barrier*[Title/Abstract] OR attend*[Title/Abstract] OR adher*[Title/Abstract] OR participat*[Title/Abstract] OR attitude*[Title/Abstract] OR belief*[Title/Abstract] OR complian*[Title/Abstract] OR noncomplian*[Title/Abstract] OR nonadher*[Title/Abstract] OR persist*[Title/Abstract] OR refus*[Title/Abstract] OR interrupt*[Title/Abstract] OR dropout*[Title/Abstract] OR drop out*[Title/Abstract] OR "no show"[Title/Abstract])) OR ("Treatment Adherence and Compliance"[Mesh])	1824492
#4	Search (((("Rheumatic Diseases"[Mesh] OR "Rheumatology"[Mesh] OR Rheumat*[Title/Abstract] OR arthrit*[Title/Abstract] OR osteoarthritis*[Title/Abstract])) AND (((("Exercise Therapy"[Mesh]) OR "Sports"[Mesh]) OR "Exercise"[Mesh]) OR "Exercise Movement Techniques"[Mesh])) OR ((kinesiotherap*[Title/Abstract] OR exercis*[Title/Abstract] OR motion*[Title/Abstract] OR train*[Title/Abstract] OR sport*[Title/Abstract] OR fitness[Title/Abstract]))) AND (((barrier*[Title/Abstract] OR attend*[Title/Abstract] OR adher*[Title/Abstract] OR participat*[Title/Abstract] OR attitude*[Title/Abstract] OR belief*[Title/Abstract] OR complian*[Title/Abstract] OR noncomplian*[Title/Abstract] OR nonadher*[Title/Abstract] OR persist*[Title/Abstract] OR refus*[Title/Abstract] OR interrupt*[Title/Abstract] OR dropout*[Title/Abstract] OR drop out*[Title/Abstract] OR "no show"[Title/Abstract])) OR ("Treatment Adherence and Compliance"[Mesh]))	3827
#5	Search systematic[sb]	367437
#6	Search (("Guideline"[Publication Type] OR "Guidelines as Topic"[Mesh])) OR ((Guideline*[Text Word] OR practice guideline*[Text Word] OR clinical guideline*[Text Word] OR guidance[Text Word] OR consensus[Text Word] OR recommendation*[Text Word]))	753828
#7	Search (systematic[sb]) OR (((("Guideline"[Publication Type] OR "Guidelines as Topic"[Mesh])) OR ((Guideline*[Text Word] OR practice guideline*[Text Word] OR clinical guideline*[Text Word] OR guidance[Text Word] OR consensus[Text Word] OR recommendation*[Text Word]))	1026218
#8	Search (((("Rheumatic Diseases"[Mesh] OR "Rheumatology"[Mesh] OR Rheumat*[Title/Abstract] OR arthrit*[Title/Abstract] OR osteoarthritis*[Title/Abstract])) AND (((("Exercise Therapy"[Mesh]) OR "Sports"[Mesh]) OR "Exercise"[Mesh]) OR "Exercise Movement Techniques"[Mesh])) OR ((kinesiotherap*[Title/Abstract] OR exercis*[Title/Abstract] OR motion*[Title/Abstract] OR train*[Title/Abstract] OR sport*[Title/Abstract] OR fitness[Title/Abstract]))) AND (((barrier*[Title/Abstract] OR attend*[Title/Abstract] OR adher*[Title/Abstract] OR participat*[Title/Abstract] OR attitude*[Title/Abstract] OR belief*[Title/Abstract] OR complian*[Title/Abstract] OR noncomplian*[Title/Abstract] OR nonadher*[Title/Abstract] OR persist*[Title/Abstract] OR refus*[Title/Abstract] OR interrupt*[Title/Abstract] OR dropout*[Title/Abstract] OR drop out*[Title/Abstract] OR "no show"[Title/Abstract])) OR ("Treatment Adherence and Compliance"[Mesh]))) AND ((systematic[sb]) OR (((("Guideline"[Publication Type] OR "Guidelines as Topic"[Mesh])) OR ((Guideline*[Text Word] OR practice guideline*[Text Word] OR clinical guideline*[Text Word] OR guidance[Text Word] OR consensus[Text Word] OR recommendation*[Text Word]))	663

Search	Query	Items found
#9	Search (((("Rheumatic Diseases"[Mesh] OR "Rheumatology"[Mesh] OR Rheumat*[Title/Abstract] OR arthrit*[Title/Abstract] OR osteoarthritis*[Title/Abstract])) AND (((("Exercise Therapy"[Mesh]) OR "Sports"[Mesh]) OR "Exercise"[Mesh]) OR "Exercise Movement Techniques"[Mesh])) OR ((kinesiotherap*[Title/Abstract] OR exercise*[Title/Abstract] OR motion*[Title/Abstract] OR train*[Title/Abstract] OR sport*[Title/Abstract] OR fitness[Title/Abstract]))) AND (((barrier*[Title/Abstract] OR attend*[Title/Abstract] OR adher*[Title/Abstract] OR participat*[Title/Abstract] OR attitude*[Title/Abstract] OR belief*[Title/Abstract] OR complian*[Title/Abstract] OR noncomplian*[Title/Abstract] OR nonadher*[Title/Abstract] OR persist*[Title/Abstract] OR refus*[Title/Abstract] OR interrupt*[Title/Abstract] OR dropout*[Title/Abstract] OR drop out*[Title/Abstract] OR "no show"[Title/Abstract])) OR ("Treatment Adherence and Compliance"[Mesh]))) AND ((systematic[sb]) OR (((("Guideline"[Publication Type] OR "Guidelines as Topic"[Mesh]) OR ((Guideline*[Text Word] OR practice guideline*[Text Word] OR clinical guideline*[Text Word] OR guidance[Text Word] OR consensus[Text Word] OR recommendation*[Text Word])))) Filters: Publication date from 2008/01/01 to 2018/12/31	531

Embase

No.	Query	Results
#1	'rheumatic disease'/exp	243800
#2	'rheumatology'/exp	56468
#3	rheumat*:ti,ab OR arthrit*:ti,ab OR osteoarthritis*:ti,ab	386252
#4	#1 OR #2 OR #3	456269
#5	'kinesiotherapy'/exp	69267
#6	'exercise'/exp	299635
#7	kinesiotherap*:ti,ab OR exercise*:ti,ab OR motion*:ti,ab OR train*:ti,ab OR sport*:ti,ab OR fitness:ti,ab	1146564
#8	'sport'/exp	142334
#9	'physical activity, capacity and performance'/exp OR 'fitness'/exp	807017
#10	#5 OR #6 OR #7 OR #8 OR #9	1644300
#11	'patient attitude'/exp	347359
#12	barrier*:ti,ab OR attend*:ti,ab OR adher*:ti,ab OR participat*:ti,ab OR attitude*:ti,ab OR belief*:ti,ab OR complian*:ti,ab OR noncomplian*:ti,ab OR nonadher*:ti,ab OR persist*:ti,ab OR refus*:ti,ab OR interrupt*:ti,ab OR dropout*:ti,ab OR 'drop out*':ti,ab OR 'no show':ti,ab	2215780
#13	#11 OR #12	2425764
#14	#4 AND #10 AND #13	8808
#15	guideline*:ti,ab,de OR 'practice guideline*':ti,ab,de OR 'clinical guideline*':ti,ab,de OR guidance:ti,ab,de OR consensus:ti,ab,de OR recommendation*:ti,ab,de	1096056
#16	((systematic OR method*) NEAR/3 (review* OR overview* OR study OR studies OR search* OR approach*)):ti,ab,de	1245133
#17	'meta analy*':ti,ab,de OR 'meta-analy*':ti,ab,de OR metaanaly*:ti,ab,de	227900
#18	'systematic review'/exp OR 'meta analysis'/exp	245463
#19	#15 OR #16 OR #17 OR #18	2331961
#20	#14 AND #19	2181
#21	'conference abstract'/it	3052310
#22	#20 NOT #21	1113
#23	[2008-2018]/py	13512863
#24	#22 AND #23	875

Cochrane

ID	Search	Hits
#1	MeSH descriptor: [Rheumatic Diseases] explode all trees	13904
#2	Rheumat* or arthrit* or osteoarthritis*	34812
#3	#1 or #2	35806
#4	MeSH descriptor: [Treatment Adherence and Compliance] explode all trees	22899

ID	Search	Hits
#5	barrier* or attend* or adher* or participat* or attitude* or belief* or complian* or noncomplian* or nonadher* or persist* or refus* or interrupt* or dropout* or drop out* or "no show"	191237
#6	#4 or #5	198594
#7	#3 and #6	6745
#8	MeSH descriptor: [Exercise] explode all trees	21284
#9	MeSH descriptor: [Exercise Therapy] explode all trees	11890
#10	MeSH descriptor: [Exercise Movement Techniques] explode all trees	1942
#11	MeSH descriptor: [Sports] explode all trees	14188
#12	kinesiotherap* or exercise* or motion* or train* or sport* or fitness	142748
#13	#8 or #9 or #10 or #11 or #12	144639
#14	#7 and #13 Publication Year from 2008 to 2018	1956

685 Cochrane Reviews and 54 Other Reviews

Adherence to clinical visits

Database	Provider	Hits	Date for search
Pubmed	Pubmed.gov	333	2018.06.27
Embase	Embase.com	492	2018.06.27
CINAHL	Ebsco Host	212	2018.06.27
Cochrane	Wiley	790	2018.06.27
Total		1827	2018.06.27
Total after duplicate search in Endnote		1588	2018.06.27
Total added to Screen after duplicate search in Covidense		224	2018.09.27

PubMed

Search	Query	Items found
#54	Search "Rheumatic Diseases"[Mesh] OR "Rheumatology"[Mesh] OR Rheumat*[Title/Abstract] OR arthrit*[Title/Abstract] OR osteoarthritis*[Title/Abstract]	333946
#55	Search (((("Referral and Consultation"[Mesh])) OR ("Appointments and Schedules"[Mesh:noexp])) OR (appointment*[Title/Abstract] OR schedule*[Title/Abstract] OR visit*[Title/Abstract] OR "Ambulatory Care"[Mesh:noexp] OR outpatient*[Title/Abstract] OR out patient*[Title/Abstract] OR ambulator*[Title/Abstract] OR consultat*[Title/Abstract]))	643230
#56	Search ((barrier*[Title/Abstract] OR attend*[Title/Abstract] OR adher*[Title/Abstract] OR participat*[Title/Abstract] OR attitude*[Title/Abstract] OR belief*[Title/Abstract] OR complian*[Title/Abstract] OR noncomplian*[Title/Abstract] OR nonadher*[Title/Abstract] OR persist*[Title/Abstract] OR refus*[Title/Abstract] OR interrupt*[Title/Abstract] OR dropout*[Title/Abstract] OR drop out*[Title/Abstract] OR "no show"[Title/Abstract])) OR ("Treatment Adherence and Compliance"[Mesh])	1824936
#57	Search (((("Rheumatic Diseases"[Mesh] OR "Rheumatology"[Mesh] OR Rheumat*[Title/Abstract] OR arthrit*[Title/Abstract] OR osteoarthritis*[Title/Abstract])) AND (((("Referral and Consultation"[Mesh])) OR ("Appointments and Schedules"[Mesh:noexp])) OR (appointment*[Title/Abstract] OR schedule*[Title/Abstract] OR visit*[Title/Abstract] OR "Ambulatory Care"[Mesh:noexp] OR outpatient*[Title/Abstract] OR out patient*[Title/Abstract] OR ambulator*[Title/Abstract] OR consultat*[Title/Abstract]))) AND (((barrier*[Title/Abstract] OR attend*[Title/Abstract] OR adher*[Title/Abstract] OR participat*[Title/Abstract] OR attitude*[Title/Abstract] OR belief*[Title/Abstract] OR complian*[Title/Abstract] OR noncomplian*[Title/Abstract] OR nonadher*[Title/Abstract] OR persist*[Title/Abstract] OR refus*[Title/Abstract] OR interrupt*[Title/Abstract] OR dropout*[Title/Abstract] OR drop out*[Title/Abstract] OR "no show"[Title/Abstract])) OR ("Treatment Adherence and Compliance"[Mesh]))	2875
#58	Search (("Guideline"[Publication Type] OR "Guidelines as Topic"[Mesh])) OR ((Guideline*[Text Word] OR practice guideline*[Text Word] OR clinical guideline*[Text Word] OR guidance[Text Word] OR consensus[Text Word] OR recommendation*[Text Word]))	754051
#59	Search systematic[sb]	367576
#60	Search (((("Guideline"[Publication Type] OR "Guidelines as Topic"[Mesh])) OR ((Guideline*[Text Word] OR practice guideline*[Text Word] OR clinical guideline*[Text Word] OR guidance[Text Word] OR consensus[Text Word] OR recommendation*[Text Word]))) OR systematic[sb]	1026543
#61	Search ((((((("Rheumatic Diseases"[Mesh] OR "Rheumatology"[Mesh] OR Rheumat*[Title/Abstract] OR arthrit*[Title/Abstract] OR osteoarthritis*[Title/Abstract])) AND (((("Referral and Consultation"[Mesh])) OR ("Appointments and Schedules"[Mesh:noexp])) OR (appointment*[Title/Abstract] OR schedule*[Title/Abstract] OR visit*[Title/Abstract] OR "Ambulatory Care"[Mesh:noexp] OR outpatient*[Title/Abstract] OR out patient*[Title/Abstract] OR ambulator*[Title/Abstract] OR consultat*[Title/Abstract]))) AND (((barrier*[Title/Abstract] OR attend*[Title/Abstract] OR adher*[Title/Abstract] OR participat*[Title/Abstract] OR attitude*[Title/Abstract] OR belief*[Title/Abstract] OR complian*[Title/Abstract] OR noncomplian*[Title/Abstract] OR nonadher*[Title/Abstract] OR persist*[Title/Abstract] OR refus*[Title/Abstract] OR interrupt*[Title/Abstract] OR dropout*[Title/Abstract] OR drop out*[Title/Abstract] OR "no show"[Title/Abstract])) OR ("Treatment Adherence and Compliance"[Mesh]))) AND (((("Guideline"[Publication Type] OR "Guidelines as Topic"[Mesh])) OR ((Guideline*[Text Word] OR practice guideline*[Text Word] OR clinical guideline*[Text Word] OR guidance[Text Word] OR consensus[Text Word] OR recommendation*[Text Word]))) OR systematic[sb]	426

Search	Query	Items found
#62	Search (((("Rheumatic Diseases"[Mesh] OR "Rheumatology"[Mesh] OR Rheumat*[Title/Abstract] OR arthrit*[Title/Abstract] OR osteoarthritis*[Title/Abstract])) AND (((("Referral and Consultation"[Mesh])) OR ("Appointments and Schedules"[Mesh:noexp])) OR (appointment*[Title/Abstract] OR schedule*[Title/Abstract] OR visit*[Title/Abstract] OR "Ambulatory Care"[Mesh:noexp] OR outpatient*[Title/Abstract] OR out patient*[Title/Abstract] OR ambulator*[Title/Abstract] OR consultat*[Title/Abstract]))) AND (((barrier*[Title/Abstract] OR attend*[Title/Abstract] OR adher*[Title/Abstract] OR participat*[Title/Abstract] OR attitude*[Title/Abstract] OR belie*[Title/Abstract] OR complian*[Title/Abstract] OR noncompliant*[Title/Abstract] OR nonadher*[Title/Abstract] OR persist*[Title/Abstract] OR refus*[Title/Abstract] OR interrupt*[Title/Abstract] OR dropout*[Title/Abstract] OR drop out*[Title/Abstract] OR "no show"[Title/Abstract])) OR ("Treatment Adherence and Compliance"[Mesh]))) AND (((("Guideline"[Publication Type] OR "Guidelines as Topic"[Mesh])) OR ((Guideline*[Text Word] OR practice guideline*[Text Word] OR clinical guideline*[Text Word] OR guidance[Text Word] OR consensus[Text Word] OR recommendation*[Text Word]))) OR systematic[sb]) Filters: Publication date from 2008/01/01 to 2018/12/31	333

Embase

No.	Query	Results
#1	'rheumatic disease'/exp	243800
#2	'rheumatology'/exp	56468
#3	rheumat*:ti,ab OR arthrit*:ti,ab OR osteoarthritis*:ti,ab	386252
#4	#1 OR #2 OR #3	456468
#5	'ambulatory care'/exp OR 'outpatient'/exp OR 'consultation'/exp outpatient*:ti,ab OR 'out patient*':ti,ab OR visit*:ti,ab OR appointment*:ti,ab OR schedule*:ti,ab	236832
#6	OR ambulator*:ti,ab OR consult*:ti,ab	926252
#7	#5 OR #6	975746
#8	'patient attitude'/exp barrier*:ti,ab OR attend*:ti,ab OR adher*:ti,ab OR participat*:ti,ab OR attitude*:ti,ab OR belie*:ti,ab OR complian*:ti,ab OR noncompliant*:ti,ab OR nonadher*:ti,ab OR persist*:ti,ab OR refus*:ti,ab OR interrupt*:ti,ab OR dropout*:ti,ab OR 'drop out*':ti,ab OR 'no show':ti,ab	2215780
#9	#8 OR #9	2427310
#10	#4 AND #7 AND #10	7649
#11	guideline*:ti,ab,de OR 'practice guideline*':ti,ab,de OR 'clinical guideline*':ti,ab,de OR guidance:ti,ab,de OR consensus:ti,ab,de OR recommendation*:ti,ab,de ((systematic OR method*) NEAR/3 (review* OR overview* OR study OR studies OR search* OR approach*)):ti,ab,de	1097142
#12	'meta analy*':ti,ab,de OR 'meta-analy*':ti,ab,de OR metaanaly*:ti,ab,de	1245133
#13	'systematic review'/exp OR 'meta analysis'/exp	227900
#14	#12 OR #13 OR #14 OR #15	245463
#15	#11 AND #16	2334099
#16	'conference abstract'/it	1936
#17	[2008-2018]/py	3016111
#18	#17 NOT #18	13525779
#19	#19 AND #20	667
#20	#19 AND #20	492

CINAHL

Search ID#	Search Terms	Search Options	Results
S1	(MH "Rheumatology")	Search modes - Boolean/Phrase	1,693
S2	(MH "Rheumatic Diseases+")	Search modes - Boolean/Phrase	34,482
S3	Rheumat* OR arthrit* OR osteoarthritis*	Search modes - Boolean/Phrase	47,018
S4	S1 OR S2 OR S3	Search modes - Boolean/Phrase	52,923

Search ID#	Search Terms	Search Options	Results
S5	(MH "Appointments and Schedules+") OR (MH "Referral and Consultation+")	Search modes - Boolean/Phrase	32,941
S6	(MH "Ambulatory Care")	Search modes - Boolean/Phrase	7,211
S7	(MH "Outpatients")	Search modes - Boolean/Phrase	36,824
S8	appointment* OR schedule* OR outpatient* OR out patient* OR ambulator* OR consultat* OR visit*	Search modes - Boolean/Phrase	195,945
S9	S5 OR S6 OR S7 OR S8	Search modes - Boolean/Phrase	199,399
S10	(MH "Patient Compliance+") OR (MH "Treatment Refusal")	Search modes - Boolean/Phrase	32,661
S11	barrier* OR attend* OR adher* OR participat* OR attitude* OR belief* OR complian* OR noncomplan* OR nonadher* OR persist* OR refus* OR interrupt* OR dropout* OR drop out* OR "no show"	Search modes - Boolean/Phrase	482,203
S12	S10 OR S11	Search modes - Boolean/Phrase	482,203
S13	S4 AND S9 AND S12	Search modes - Boolean/Phrase	830
S14	(Guideline* or guidance or consensus or recommendation*) OR PT practice guidelines	Search modes - Boolean/Phrase	180,650
S15	(MH "Rheumatology")	Search modes - Boolean/Phrase	1,693
S16	(MH "Rheumatic Diseases+")	Search modes - Boolean/Phrase	34,482
S17	Rheumat* OR arthrit* OR osteoarthritis*	Search modes - Boolean/Phrase	47,018
S18	S15 OR S16 OR S17	Search modes - Boolean/Phrase	52,923
S19	(MH "Patient Compliance+") OR (MH "Treatment Refusal")	Search modes - Boolean/Phrase	32,661
S20	barrier* OR attend* OR adher* OR participat* OR attitude* OR belief* OR complian* OR noncomplan* OR nonadher* OR persist* OR refus* OR interrupt* OR dropout* OR drop out* OR "no show"	Search modes - Boolean/Phrase	482,203
S21	S19 OR S20	Search modes - Boolean/Phrase	482,203
S22	(MH "Drug Therapy+")	Search modes - Boolean/Phrase	95,672
S23	(MH "Prescriptions, Drug")	Search modes - Boolean/Phrase	5,570
S24	(MH "Antirheumatic Agents+")	Search modes - Boolean/Phrase	34,193
S25	Antirheumatic OR Anti Rheumatic OR NSAID* OR medication* OR prescrib* OR prescription*	Search modes - Boolean/Phrase	126,943
S26	S22 OR S23 OR S24 OR S25	Search modes - Boolean/Phrase	219,775
S27	S18 AND S21 AND S26	Search modes - Boolean/Phrase	1,238
S28	(Guideline* or guidance or consensus or recommendation*) OR PT practice guidelines	Search modes - Boolean/Phrase	180,650
S29	(PT (Systematic Review or Meta Analysis)) OR ((((systematic or method*) N3 (review* or overview* or study or studies or search* or approach*)) or meta analy* or meta-analy* or metaanaly*)) OR ((pooled N1 (data or analys*)))	Search modes - Boolean/Phrase	169,854
S30	S28 OR S29	Search modes - Boolean/Phrase	329,145
S31	S27 AND S30	Search modes - Boolean/Phrase	295
S32	S27 AND S30	Limiters - Published Date: 20080101-20181231 Search modes - Boolean/Phrase	212

Cochrane

ID	Search	Hits
#1	MeSH descriptor: [Rheumatic Diseases] explode all trees	13904
#2	Rheumat* or arthrit* or osteoarthritis*	34812
#3	#1 or #2	35806
#4	MeSH descriptor: [Treatment Adherence and Compliance] explode all trees	22899
#5	barrier* or attend* or adher* or participat* or attitude* or belief* or complian* or noncompliant* or nonadher* or persist* or refus* or interrupt* or dropout* or "drop out*" or "no show"	189259
#6	#4 or #5	196639
#7	#3 and #6	6682
#8	MeSH descriptor: [Appointments and Schedules] explode all trees	998
#9	MeSH descriptor: [Referral and Consultation] explode all trees	2440
#10	MeSH descriptor: [Ambulatory Care] explode all trees	3903
#11	appointment* or schedule* or consultat* or visit*	110411
#12	#8 or #9 or #10 or #11	113796
#13	#7 and #12 Publication Year from 2008 to 2018, in Other Reviews	790

Assessment Tools

Tools for medication adherence

Database		Hits	Date for search
Pubmed	Pubmed.gov	353	2018.11.14
Embase	Embase.com	114	2018.11.14
CINAHL	Ebsco	47	2018.11.19
Cochrane	https://www.cochranelibrary.com/	545	2018.11.19
Total		1059	
Total after duplicate search in Endnote		977	
Total added to screen after duplicate search in Covidence		971	

PubMed

Search Query	Items found
#23 Search (((((((((((("Drug Therapy"[Mesh] OR "drug therapy"[Subheading])) OR "Antirheumatic Agents"[Mesh] OR (Antirheumatic[tiab] OR Anti Rheumatic[tiab])) OR NSAID*[Title/Abstract]) OR "Drug Prescriptions"[Mesh] OR ((medication*[Text Word] OR prescrib*[Text Word] OR prescription*[Text Word]))) AND ("Rheumatic Diseases"[Mesh] OR "Rheumatology"[Mesh] OR Rheumat*[Title/Abstract] OR arthrit*[Title/Abstract] OR osteoarthrit*[Title/Abstract])) AND (((barrier*[Title/Abstract] OR attend*[Title/Abstract] OR adher*[Title/Abstract] OR participat*[Title/Abstract] OR attitude*[Title/Abstract] OR belief*[Title/Abstract] OR complian*[Title/Abstract] OR noncomplian*[Title/Abstract] OR nonadher*[Title/Abstract] OR persist*[Title/Abstract] OR refus*[Title/Abstract] OR interrupt*[Title/Abstract] OR dropout*[Title/Abstract] OR drop out*[Title/Abstract] OR "no show"[Title/Abstract])) OR ("Treatment Adherence and Compliance"[Mesh])) AND (((((((((((((((((((patient recall*[Title/Abstract] OR patients recall*[Title/Abstract])) OR ("patient diary"[Title/Abstract] OR "patients diary"[Title/Abstract] OR "patients diary"[Title/Abstract] OR "patients diaries"[Title/Abstract])) OR self report*[tiab]) OR continuous multiple interval measure*[tiab]) OR ((continuous measure*[tiab] OR "continuous multiple interval measure"[tiab])) OR "medication gaps"[tiab]) OR "medication gap"[tiab]) OR prescriptions refill*[tiab]) OR prescription refill*[tiab]) OR medications refill*[tiab]) OR medication refill*[tiab]) OR pills Counts[tiab]) OR pills Count[tiab]) OR pill Count[tiab]) OR pill Counts[tiab]) OR medications Counts[tiab]) OR medication count*[tiab]) OR "Proportion of days covered"[tiab]) OR ((complian*[Title/Abstract] OR adhere*[Title/Abstract] OR persist*[Title/Abstract] OR possession*[Title/Abstract]) AND (design[Title/Abstract] OR designs[Title/Abstract] OR method[Title/Abstract] OR methods[Title/Abstract] OR methodology[Title/Abstract] OR measure[Title/Abstract] OR measures[Title/Abstract] OR measurement[Title/Abstract] OR measurements[Title/Abstract] OR calculate[Title/Abstract] OR calculated[Title/Abstract] OR calculating[Title/Abstract] OR calculation*[Title/Abstract] OR questionnaire*[Title/Abstract] OR rate[Title/Abstract] OR rating[Title/Abstract] OR ratio*[Title/Abstract] OR assessment*[Title/Abstract] OR scale*[Title/Abstract])) OR (prescription record*[Title/Abstract] OR prescriptions record*[Title/Abstract])) OR (medication*[tiab] AND possession ratio*[tiab])) AND (((((((Guideline*[Text Word] OR practice guideline*[Text Word] OR clinical guideline*[Text Word] OR guidance[Text Word] OR consensus[Text Word] OR recommendation[Text Word])) OR ("Guidelines as Topic"[Mesh:noexp]) OR "Practice Guidelines as Topic"[Mesh])) OR "Guideline"[Publication Type])) OR systematic[sb]) Filters: Publication date from 2008/01/01 to 2018/12/31	353

Embase

No.	Query	Results
#1	'medication* possession ratio':ti,ab,kw	2323
#2	'medication possession ratio'/exp	86
#3	'prescription* record':ti,ab,kw	803
#4	'proportion of days covered'/exp	16
#5	'proportion of days covered':ti,ab,kw	1481
#6	'medication* count':ti,ab,kw OR 'pill count':ti,ab,kw OR 'pills count':ti,ab,kw OR 'drug count':ti,ab,kw OR 'drugs count':ti,ab,kw	1811

No.	Query	Results
#7	'medication* gap':ti,ab,kw OR 'medication* gaps':ti,ab,kw	117
#8	'continuous multiple interval measure* of medication* availability':ti,ab,kw	9
#9	'medication* refill':ti,ab,kw OR 'prescription* refill':ti,ab,kw	1106
#10	'medication* event* monitoring system*':ti,ab,kw	531
#11	'medication adherence monitoring system'/exp OR 'medication adherence monitor*':ti,ab,kw	143
#12	'morisky scale*':ti,ab,kw OR mmas:ti,ab,kw	1371
#13	'medication adherence self efficacy scale*':ti,ab,kw OR mases:ti,ab,kw	294
#14	'daily patient* possession ratio*':ti,ab,kw OR dppr:ti,ab,kw	21
#15	((('self report*' OR 'patient* diary' OR 'patient* diaries' OR 'patient* recall*') NEAR/3 (complan* OR adhere* OR persist*)):ti,ab,kw ((complan* OR adhere* OR persist* OR possession*) NEAR/3 (design OR designs OR method OR methods OR methodology OR measure OR measures OR measurement OR measurements OR calculate OR calculated OR calculating OR calculation* OR questionnaire* OR rate OR rating OR assess* OR ratio* OR scale* OR instrument* OR tool OR tools)):ti,ab,kw	3483
#16	#1 OR #2 OR #3 OR #4 OR #5 OR #6 OR #7 OR #8 OR #9 OR #10 OR #11 OR #12 OR #13	55049
#17	OR #14 OR #15 OR #16	60828
#18	'rheumatic disease'/exp	243800
#19	'rheumatology'/exp	56468
#20	rheumat*:ti,ab OR arthrit*:ti,ab OR osteoarthritis*:ti,ab	386252
#21	#18 OR #19 OR #20	454910
#22	'patient attitude'/exp barrier*:ti,ab OR attend*:ti,ab OR adher*:ti,ab OR participat*:ti,ab OR attitude*:ti,ab OR belief*:ti,ab OR complian*:ti,ab OR noncomplan*:ti,ab OR nonadher*:ti,ab OR persist*:ti,ab OR refus*:ti,ab OR interrupt*:ti,ab OR dropout*:ti,ab OR 'drop out*':ti,ab OR 'no show':ti,ab	347359
#23	#22 OR #23	2215780
#24	'drug therapy'/exp	2421833
#25	'drug therapy'/lnk	2411127
#26	'antirheumatic agent'/exp	3581573
#27	'prescription'/exp antirheumatic:ti,ab OR 'anti rheumatic':ti,ab OR nsaid*:ti,ab OR medication*:ti,ab OR prescrib*:ti,ab OR prescription*:ti,ab	554502
#28	#25 OR #26 OR #27 OR #28 OR #29	162993
#29	#21 AND #24 AND #30 guideline*:ti,ab,de OR 'practice guideline*':ti,ab,de OR 'clinical guideline*':ti,ab,de OR guidance:ti,ab,de OR consensus:ti,ab,de OR recommendation*:ti,ab,de ((systematic OR method*) NEAR/3 (review* OR overview* OR study OR studies OR search* OR approach*)):ti,ab,de	691289
#30	#32 OR #36	5488394
#31	'meta analy*':ti,ab,de OR 'meta-analy*':ti,ab,de OR metaanaly*:ti,ab,de	19728
#32	'systematic review'/exp OR 'meta analysis'/exp	1093831
#33	#33 OR #34 OR #35	1245133
#34	#32 OR #36	227900
#35	#31 AND #37	245463
#36	'conference abstract'/it	1358280
#37	#38 NOT #39	2327838
#38	[2008-2018]/py	4209
#39	#38 AND #41	3034012
#40	#40 AND #41	2169
#41	#17 AND #42	13488242
#42		1634
#43		114

CINAHL

Search ID#	Search Terms	Search Options	Results
S1	(MH "Rheumatology")	Search modes - Boolean/Phrase	2,427
S2	(MH "Rheumatic Diseases+")	Search modes - Boolean/Phrase	56,764
S3	Rheumat* OR arthrit* OR osteoarthritis*	Search modes - Boolean/Phrase	81,696
S4	S1 OR S2 OR S3	Search modes - Boolean/Phrase	91,196
S5	(MH "Patient Compliance+") OR (MH "Treatment Refusal")	Search modes - Boolean/Phrase	46,077
S6	barrier* OR attend* OR adher* OR participat* OR attitude* OR belief* OR complian* OR noncomplian* OR nonadher* OR persist* OR refus* OR interrupt* OR dropout* OR drop out* OR "no show"	Search modes - Boolean/Phrase	692,441
S7	S5 OR S6	Search modes - Boolean/Phrase	692,441
S8	(MH "Drug Therapy+")	Search modes - Boolean/Phrase	144,677
S9	(MH "Prescriptions, Drug")	Search modes - Boolean/Phrase	9,379
S10	(MH "Antirheumatic Agents+")	Search modes - Boolean/Phrase	55,594
S11	Antirheumatic OR Anti Rheumatic OR NSAID* OR medication* OR prescrib* OR prescription*	Search modes - Boolean/Phrase	192,312
S12	S8 OR S9 OR S10 OR S11	Search modes - Boolean/Phrase	336,897
S13	S4 AND S7 AND S12	Search modes - Boolean/Phrase	2,079
S14	(Guideline* or guidance or consensus or recommendation*) OR PT practice guidelines	Search modes - Boolean/Phrase	272,535
S15	(PT (Systematic Review or Meta Analysis)) OR ((((systematic or method*) N3 (review* or overview* or study or studies or search* or approach*)) or meta analy* or meta-analy* or metaanaly*)) OR ((pooled N1 (data or analys*))))	Search modes - Boolean/Phrase	279,004
S16	S14 OR S15	Search modes - Boolean/Phrase	517,009
S17	S13 AND S16	Search modes - Boolean/Phrase	523
S18	medication possession ratio*	Search modes - Boolean/Phrase	464
S19	proportion of days covered	Search modes - Boolean/Phrase	279
S20	medication* gap*	Search modes - Boolean/Phrase	31
S21	medication* count* OR pill count* OR pills count* OR drug count* OR drugs count*	Search modes - Boolean/Phrase	393
S22	continuous multiple interval measure* of medication*	Search modes - Boolean/Phrase	5
S23	medication* refill* OR prescription* refill*	Search modes - Boolean/Phrase	296
S24	medication* event* monitor*	Search modes - Boolean/Phrase	143
S25	medication adherence monitor*	Search modes - Boolean/Phrase	13
S26	morisky scale* OR mmas	Search modes - Boolean/Phrase	586
S27	medication adherence self efficacy scale OR mases	Search modes - Boolean/Phrase	50
S28	daily patient* possession ratio*	Search modes - Boolean/Phrase	0
S29	patient* possession ratio* OR dppr	Search modes - Boolean/Phrase	1
S30	((self report* OR patient* diaries OR patient* diary OR patient* recall*) N3 (complian* OR adhere* OR persist*))	Search modes - Boolean/Phrase	1,208
S31	((complian* OR adhere* OR persist* OR possession*) N3 (design OR designs OR method OR methods OR methodology OR measure OR measures OR measurement OR measurements OR calculate OR calculated OR calculating OR calculation* OR questionnaire* OR rate OR rating OR assess* OR ratio* OR scale* OR instrument* OR tool OR tools))	Search modes - Boolean/Phrase	15,435

S32	S18 OR S19 OR S20 OR S21 OR S22 OR S23 OR S24 OR S25 OR S26 OR S27 OR S28 OR S29 OR S30 OR S31	Search modes - Boolean/Phrase	17,110
S33	S17 AND S32	Search modes - Boolean/Phrase	53
S34	S17 AND S32	Limiters - Published Date: 20080101-20181231 Search modes - Boolean/Phrase	47

Cochrane Library

ID	Search	Hits
#1	MeSH descriptor: [Rheumatic Diseases] explode all trees	12896
#2	Rheumat* or arthrit* or osteoarthritis*	33240
#3	#1 or #2	34137
#4	MeSH descriptor: [Treatment Adherence and Compliance] explode all trees	24506
#5	barrier* or attend* or adher* or participat* or attitude* or belief* or complian* or noncompliant* or nonadher* or persist* or refus* or interrupt* or dropout* or drop out* or "no show"	190621
#6	#4 or #5	198381
#7	#3 and #6	6600
#8	MeSH descriptor: [Drug Therapy] explode all trees	132281
#9	Antirheumatic or Anti Rheumatic or NSAID* or medication* or prescrib* or prescription*	92674
#10	MeSH descriptor: [Antirheumatic Agents] explode all trees	9208
#11	#8 OR #9 OR #10	213099
#12	#7 AND #11	2829
#13	medication possession ratio*	176
#14	"proportion of days covered"	62
#15	medication gap*	888
#16	(medication* count*) OR (pill count*) OR (pills count*) OR (drug count*) OR (drugs count*)	42068
#17	continuous multiple interval measure*	4411
#18	(medication* refill*) OR (prescription* refill*)	424
#19	medication event* monitor*	2881
#20	medication adherence monitor*	1867
#21	(morisky scale*) OR mmas	300
#22	(medication adherence self efficacy scale) OR mases	715
#23	(patient* possession ratio*) OR (dppr)	190
#24	((self report*) OR (patient* diaries) OR (patient* diary) OR (patient* recall*)) NEAR/3 (compliant* OR adhere* OR persist*)	27349
#25	((compliant* OR adhere* OR persist* OR possession*) NEAR/3 (design OR designs OR method OR methods OR methodology OR measure OR measures OR measurement OR measurements OR calculate OR calculated OR calculating OR calculation* OR questionnaire* OR rate OR rating OR assess* OR ratio* OR scale* OR instrument* OR tool OR tools))	11054
#26	#25 OR #24 OR #23 OR #22 OR #21 OR #20 OR #19 OR #18 OR #17 OR #16 OR #15 OR #14 OR #13	73871
#27	#12 AND #26 with Cochrane Library publication date Between Jan 2008 and Nov 2018, in Cochrane Reviews	545

Tools for adherence to exercise

Database		Hits	Date for search
Pubmed	Pubmed.gov	139	2018.11.20
Embase	Embase.com	87	2018.11.21
CINAHL	Ebsco	66	2018.11.21
Cochrane		186	2018.11.21
Total		478	
Total after duplicate search in Endnote		412	
Total added to screen after duplicate search in Covidence		208	

Pubmed

Search	Query	Items found
#13	Search (adherence to exercise scale for older patient*[Title/Abstract] OR aesop[Title/Abstract])	197
#14	Search (((((((design[Title/Abstract] OR designs[Title/Abstract] OR method[Title/Abstract] OR methods[Title/Abstract] OR methodology[Title/Abstract] OR measure[Title/Abstract] OR measures[Title/Abstract] OR measurement[Title/Abstract] OR measurements[Title/Abstract] OR calculate[Title/Abstract] OR calculated[Title/Abstract] OR calculating[Title/Abstract] OR calculation*[Title/Abstract] OR questionnaire*[Title/Abstract] OR rate[Title/Abstract] OR rating[Title/Abstract] OR ratio*[Title/Abstract] OR assessment*[Title/Abstract])) AND (complan*[Title/Abstract] OR adhere*[Title/Abstract] OR persist*[Title/Abstract] OR possession*[Title/Abstract])) OR (((self report*[Title/Abstract] OR patient diary[Title/Abstract] OR patient diaries[Title/Abstract] OR patient recall[Title/Abstract] OR patients diaries[Title/Abstract])) AND (complan*[Title/Abstract] OR adhere*[Title/Abstract] OR persist*[Title/Abstract] OR possession*[Title/Abstract])) OR ((daily patient possession ratio*[Title/Abstract] OR daily patients possession ration*[Title/Abstract])) OR ((adherence self report questionnaire*[Title/Abstract] OR asrq[Title/Abstract])) OR ((adherence to exercise scale for older patient*[Title/Abstract] OR aesop[Title/Abstract]))	353258
#15	Search "Rheumatic Diseases"[Mesh] OR "Rheumatology"[Mesh] OR Rheumat*[Title/Abstract] OR arthrit*[Title/Abstract] OR osteoarthritis*[Title/Abstract]	340379
#16	Search ((barrier*[Title/Abstract] OR attend*[Title/Abstract] OR adher*[Title/Abstract] OR participat*[Title/Abstract] OR attitude*[Title/Abstract] OR belief*[Title/Abstract] OR complian*[Title/Abstract] OR noncomplian*[Title/Abstract] OR nonadher*[Title/Abstract] OR persist*[Title/Abstract] OR refus*[Title/Abstract] OR interrupt*[Title/Abstract] OR dropout*[Title/Abstract] OR drop out*[Title/Abstract] OR "no show"[Title/Abstract])) OR ("Treatment Adherence and Compliance"[Mesh])	1873554
#17	Search (((("Exercise Therapy"[Mesh] OR "Sports"[Mesh] OR "Exercise"[Mesh] OR "Exercise Movement Techniques"[Mesh])) OR ((kinesiotherap*[Title/Abstract] OR exercis*[Title/Abstract] OR motion*[Title/Abstract] OR train*[Title/Abstract] OR sport*[Title/Abstract] OR fitness[Title/Abstract]))	1065476
#18	Search (((((((("Exercise Therapy"[Mesh] OR "Sports"[Mesh] OR "Exercise"[Mesh] OR "Exercise Movement Techniques"[Mesh])) OR ((kinesiotherap*[Title/Abstract] OR exercis*[Title/Abstract] OR motion*[Title/Abstract] OR train*[Title/Abstract] OR sport*[Title/Abstract] OR fitness[Title/Abstract])) AND (((barrier*[Title/Abstract] OR attend*[Title/Abstract] OR adher*[Title/Abstract] OR participat*[Title/Abstract] OR attitude*[Title/Abstract] OR belief*[Title/Abstract] OR complian*[Title/Abstract] OR noncomplian*[Title/Abstract] OR nonadher*[Title/Abstract] OR persist*[Title/Abstract] OR refus*[Title/Abstract] OR interrupt*[Title/Abstract] OR dropout*[Title/Abstract] OR drop out*[Title/Abstract] OR "no show"[Title/Abstract])) OR ("Treatment Adherence and Compliance"[Mesh])) AND ("Rheumatic Diseases"[Mesh] OR "Rheumatology"[Mesh] OR Rheumat*[Title/Abstract] OR arthrit*[Title/Abstract] OR osteoarthritis*[Title/Abstract])) AND (((((((design[Title/Abstract] OR designs[Title/Abstract] OR method[Title/Abstract] OR methods[Title/Abstract] OR methodology[Title/Abstract] OR measure[Title/Abstract] OR measures[Title/Abstract] OR measurement[Title/Abstract] OR measurements[Title/Abstract] OR calculate[Title/Abstract] OR calculated[Title/Abstract] OR calculating[Title/Abstract] OR calculation*[Title/Abstract] OR questionnaire*[Title/Abstract] OR rate[Title/Abstract] OR rating[Title/Abstract] OR ratio*[Title/Abstract] OR assessment*[Title/Abstract])) AND (complan*[Title/Abstract] OR adhere*[Title/Abstract] OR persist*[Title/Abstract] OR possession*[Title/Abstract])) OR (((self report*[Title/Abstract] OR patient diary[Title/Abstract] OR patient diaries[Title/Abstract] OR patient recall[Title/Abstract] OR patients diaries[Title/Abstract])) AND (complan*[Title/Abstract] OR adhere*[Title/Abstract] OR persist*[Title/Abstract] OR	904

Search	Query	Items found
	possession*[Title/Abstract])) OR ((daily patient possession ratio*[Title/Abstract] OR daily patients possession ration*[Title/Abstract])) OR ((adherence self report questionnaire*[Title/Abstract]) OR asrq[Title/Abstract])) OR ((adherence to exercise scale for older patient*[Title/Abstract] OR aesop[Title/Abstract]))	
#19	Search (((((Guideline*[Text Word] OR practice guideline*[Text Word] OR clinical guideline*[Text Word] OR guidance[Text Word] OR consensus[Text Word] OR recommendation[Text Word]))) OR ("Guidelines as Topic"[Mesh:noexp]) OR "Practice Guidelines as Topic"[Mesh])) OR "Guideline"[Publication Type])	650365
#2	Search complian*[Title/Abstract] OR adhere*[Title/Abstract] OR persist*[Title/Abstract] OR possession*[Title/Abstract]	699239
#20	Search systematic[sb]	384041
#21	Search ((((((Guideline*[Text Word] OR practice guideline*[Text Word] OR clinical guideline*[Text Word] OR guidance[Text Word] OR consensus[Text Word] OR recommendation[Text Word]))) OR ("Guidelines as Topic"[Mesh:noexp]) OR "Practice Guidelines as Topic"[Mesh])) OR "Guideline"[Publication Type])) OR systematic[sb]	946593
#22	Search (((((((("Exercise Therapy"[Mesh]) OR "Sports"[Mesh]) OR "Exercise"[Mesh]) OR "Exercise Movement Techniques"[Mesh])) OR ((kinesiotherap*[Title/Abstract] OR exercis*[Title/Abstract] OR motion*[Title/Abstract] OR train*[Title/Abstract] OR sport*[Title/Abstract] OR fitness[Title/Abstract]))) AND (((barrier*[Title/Abstract] OR attend*[Title/Abstract] OR adher*[Title/Abstract] OR participat*[Title/Abstract] OR attitude*[Title/Abstract] OR belief*[Title/Abstract] OR complian*[Title/Abstract] OR noncomplian*[Title/Abstract] OR nonadher*[Title/Abstract] OR persist*[Title/Abstract] OR refus*[Title/Abstract] OR interrupt*[Title/Abstract] OR dropout*[Title/Abstract] OR drop out*[Title/Abstract] OR "no show"[Title/Abstract])) OR ("Treatment Adherence and Compliance"[Mesh])) AND ("Rheumatic Diseases"[Mesh] OR "Rheumatology"[Mesh] OR Rheumat*[Title/Abstract] OR arthrit*[Title/Abstract] OR osteoarthrit*[Title/Abstract])) AND (((((((design[Title/Abstract] OR designs[Title/Abstract] OR method[Title/Abstract] OR methods[Title/Abstract] OR methodology[Title/Abstract] OR measure[Title/Abstract] OR measures[Title/Abstract] OR measurement[Title/Abstract] OR measurements[Title/Abstract] OR calculate[Title/Abstract] OR calculated[Title/Abstract] OR calculating[Title/Abstract] OR calculation*[Title/Abstract] OR questionnaire*[Title/Abstract] OR rate[Title/Abstract] OR rating[Title/Abstract] OR ratio*[Title/Abstract] OR assessment*[Title/Abstract])) AND (complian*[Title/Abstract] OR adhere*[Title/Abstract] OR persist*[Title/Abstract] OR possession*[Title/Abstract])) OR (((self report*[Title/Abstract] OR patient diary[Title/Abstract] OR patient diaries[Title/Abstract] OR patient recall[Title/Abstract] OR patients diaries[Title/Abstract])) AND (complian*[Title/Abstract] OR adhere*[Title/Abstract] OR persist*[Title/Abstract] OR possession*[Title/Abstract])) OR ((daily patient possession ratio*[Title/Abstract] OR daily patients possession ration*[Title/Abstract])) OR ((adherence self report questionnaire*[Title/Abstract] OR asrq[Title/Abstract])) OR ((adherence to exercise scale for older patient*[Title/Abstract] OR aesop[Title/Abstract])))) AND ((((((Guideline*[Text Word] OR practice guideline*[Text Word] OR clinical guideline*[Text Word] OR guidance[Text Word] OR consensus[Text Word] OR recommendation[Text Word]))) OR ("Guidelines as Topic"[Mesh:noexp]) OR "Practice Guidelines as Topic"[Mesh])) OR "Guideline"[Publication Type])) OR systematic[sb])	173
#23	Search (((((((("Exercise Therapy"[Mesh]) OR "Sports"[Mesh]) OR "Exercise"[Mesh]) OR "Exercise Movement Techniques"[Mesh])) OR ((kinesiotherap*[Title/Abstract] OR exercis*[Title/Abstract] OR motion*[Title/Abstract] OR train*[Title/Abstract] OR sport*[Title/Abstract] OR fitness[Title/Abstract]))) AND (((barrier*[Title/Abstract] OR attend*[Title/Abstract] OR adher*[Title/Abstract] OR participat*[Title/Abstract] OR attitude*[Title/Abstract] OR belief*[Title/Abstract] OR complian*[Title/Abstract] OR noncomplian*[Title/Abstract] OR nonadher*[Title/Abstract] OR persist*[Title/Abstract] OR refus*[Title/Abstract] OR interrupt*[Title/Abstract] OR dropout*[Title/Abstract] OR drop out*[Title/Abstract] OR "no show"[Title/Abstract])) OR ("Treatment Adherence and Compliance"[Mesh])) AND ("Rheumatic Diseases"[Mesh] OR "Rheumatology"[Mesh] OR Rheumat*[Title/Abstract] OR arthrit*[Title/Abstract] OR osteoarthrit*[Title/Abstract])) AND (((((((design[Title/Abstract] OR designs[Title/Abstract] OR method[Title/Abstract] OR methods[Title/Abstract] OR methodology[Title/Abstract] OR measure[Title/Abstract] OR measures[Title/Abstract] OR measurement[Title/Abstract] OR measurements[Title/Abstract] OR calculate[Title/Abstract] OR calculated[Title/Abstract] OR calculating[Title/Abstract] OR calculation*[Title/Abstract] OR questionnaire*[Title/Abstract] OR rate[Title/Abstract] OR rating[Title/Abstract] OR ratio*[Title/Abstract] OR assessment*[Title/Abstract])) AND	139

Search	Query	Items found
	(complan*[Title/Abstract] OR adhere*[Title/Abstract] OR persist*[Title/Abstract] OR possession*[Title/Abstract])) OR (((self report*[Title/Abstract] OR patient diary[Title/Abstract] OR patient diaries[Title/Abstract] OR patient recall[Title/Abstract] OR patients diaries[Title/Abstract])) AND (complan*[Title/Abstract] OR adhere*[Title/Abstract] OR persist*[Title/Abstract] OR possession*[Title/Abstract])) OR ((daily patient possession ratio*[Title/Abstract] OR daily patients possession ration*[Title/Abstract])) OR ((adherence self report questionnaire*[Title/Abstract] OR asrq[Title/Abstract])) OR ((adherence to exercise scale for older patient*[Title/Abstract] OR aesop[Title/Abstract]))) AND (((((((Guideline*[Text Word] OR practice guideline*[Text Word] OR clinical guideline*[Text Word] OR guidance[Text Word] OR consensus[Text Word] OR recommendation[Text Word]))) OR ("Guidelines as Topic"[Mesh:noexp]) OR "Practice Guidelines as Topic"[Mesh])) OR "Guideline"[Publication Type])) OR systematic[sb]) Filters: Publication date from 2008/01/01 to 2018/12/31	
#3	Search design[Title/Abstract] OR designs[Title/Abstract] OR method[Title/Abstract] OR methods[Title/Abstract] OR methodology[Title/Abstract] OR measure[Title/Abstract] OR measures[Title/Abstract] OR measurement[Title/Abstract] OR measurements[Title/Abstract] OR calculate[Title/Abstract] OR calculated[Title/Abstract] OR calculating[Title/Abstract] OR calculation*[Title/Abstract] OR questionnaire*[Title/Abstract] OR rate[Title/Abstract] OR rating[Title/Abstract] OR ratio*[Title/Abstract] OR assessment*[Title/Abstract]	9193213
#4	Search ((design[Title/Abstract] OR designs[Title/Abstract] OR method[Title/Abstract] OR methods[Title/Abstract] OR methodology[Title/Abstract] OR measure[Title/Abstract] OR measures[Title/Abstract] OR measurement[Title/Abstract] OR measurements[Title/Abstract] OR calculate[Title/Abstract] OR calculated[Title/Abstract] OR calculating[Title/Abstract] OR calculation*[Title/Abstract] OR questionnaire*[Title/Abstract] OR rate[Title/Abstract] OR rating[Title/Abstract] OR ratio*[Title/Abstract] OR assessment*[Title/Abstract])) AND (complan*[Title/Abstract] OR adhere*[Title/Abstract] OR persist*[Title/Abstract] OR possession*[Title/Abstract])	352049
#6	Search ((self report*[Title/Abstract] OR patient diary[Title/Abstract] OR patient diaries[Title/Abstract] OR patient recall[Title/Abstract] OR patients diaries[Title/Abstract])) AND (complan*[Title/Abstract] OR adhere*[Title/Abstract] OR persist*[Title/Abstract] OR possession*[Title/Abstract])	10728
#7	Search (adherence self report questionnaire*[Title/Abstract] OR asrq[Title/Abstract])	3
#8	Search (daily patient possession ratio*[Title/Abstract] OR daily patients possession ration*[Title/Abstract])	122

Embase

No.	Query	Results
#1	'rheumatic disease'/exp	250246
#2	'rheumatology'/exp	57947
#3	rheumat*:ti,ab OR arthrit*:ti,ab OR osteoarthrit*:ti,ab	400873
#4	#1 OR #2 OR #3	470490
#5	'kinesiotherapy'/exp	71890
#6	'exercise'/exp	311086
#7	kinesiotherap*:ti,ab OR exercise*:ti,ab OR motion*:ti,ab OR train*:ti,ab OR sport*:ti,ab OR fitness:ti,ab	1192834
#8	'sport'/exp	148246
#9	'physical activity, capacity and performance'/exp OR 'fitness'/exp	839178
#10	#5 OR #6 OR #7 OR #8 OR #9	1708802
#11	'patient attitude'/exp	358991
#12	barrier*:ti,ab OR attend*:ti,ab OR adher*:ti,ab OR participat*:ti,ab OR attitude*:ti,ab OR belief*:ti,ab OR complian*:ti,ab OR noncomplian*:ti,ab OR nonadher*:ti,ab OR persist*:ti,ab OR refus*:ti,ab OR interrupt*:ti,ab OR dropout*:ti,ab OR 'drop out*:ti,ab OR 'no show*:ti,ab	2301237
#13	#11 OR #12	2513527
#14	#4 AND #10 AND #13	9278
#15	guideline*:ti,ab,de OR 'practice guideline*:ti,ab,de OR 'clinical guideline*:ti,ab,de OR guidance:ti,ab,de OR consensus:ti,ab,de OR recommendation*:ti,ab,de	1142859

No.	Query	Results
#16	((systematic OR method*) NEAR/3 (review* OR overview* OR study OR studies OR search* OR approach*)):ti,ab,de	1309655
#17	'meta analy*':ti,ab,de OR 'meta-analy*':ti,ab,de OR metaanaly*':ti,ab,de	242659
#18	'systematic review'/exp OR 'meta analysis'/exp	266590
#19	#15 OR #16 OR #17 OR #18	2432446
#20	#14 AND #19	2317
#21	'conference abstract'/it	3221876
#22	#20 NOT #21	1171
#23	[2008-2018]/py	1,4E+07
#24	#22 AND #23	933
#25	'adherence self report questionnaire*':ti,ab,kw OR asrq:ti,ab,kw	9
#26	'daily patient* possession ratio*':ti,ab,kw OR dppr:ti,ab,kw	21
#27	'self report*':ti,ab,kw OR 'patient* diary':ti,ab,kw OR 'patient* diaries':ti,ab,kw OR 'patient* recall*':ti,ab,kw	175564
#28	((complan* OR adhere* OR persist* OR possession*) NEAR/3 (design OR designs OR method OR methods OR methodology OR measure OR measures OR measurement OR measurements OR calculate OR calculated OR calculating OR calculation* OR questionnaire* OR rate OR rating OR assess* OR ratio OR scale* OR instrument* OR tool OR tools)):ti,ab,kw	54619
#29	'adherence to exercise scale for older patients':ti,ab,kw OR aesop:ti,ab,kw	282
#30	#25 OR #26 OR #27 OR #28 OR #29	56609
#31	#24 AND #30	87

Cinahl

Search ID#	Search Terms	Search Options	Results
S1	patient* possession ratio* OR dppr	Search modes - Boolean/Phrase	1
S2	self report* OR patient* diaries OR patient* diary OR patient* recall*	Search modes - Boolean/Phrase	99,124
S3	((complan* OR adhere* OR persist* OR possession*) N3 (design OR designs OR method OR methods OR methodology OR measure OR measures OR measurement OR measurements OR calculate OR calculated OR calculating OR calculation* OR questionnaire* OR rate OR rating OR assess* OR ratio* OR scale* OR instrument* OR tool OR tools))	Search modes - Boolean/Phrase	15,446
S4	(MH "Diaries")	Search modes - Boolean/Phrase	9,962
S5	adherence to exercise scale for older patient*	Search modes - Boolean/Phrase	1
S6	S1 OR S2 OR S3 OR S4 OR S5	Search modes - Boolean/Phrase	121,497
S7	(MH "Rheumatology")	Search modes - Boolean/Phrase	2,427
S8	(MH "Rheumatic Diseases+")	Search modes - Boolean/Phrase	56,773
S9	Rheumat* OR arthrit* OR osteoarthritis*	Search modes - Boolean/Phrase	81,762
S10	S7 OR S8 OR S9	Search modes - Boolean/Phrase	91,263
S11	(MH "Patient Compliance+") OR (MH "Treatment Refusal")	Search modes - Boolean/Phrase	46,100
S12	barrier* OR attend* OR adher* OR participat* OR attitude* OR belief* OR complian* OR noncomplan* OR nonadher* OR persist* OR refus* OR interrupt* OR dropout* OR drop out* OR "no show"	Search modes - Boolean/Phrase	692,879
S13	S11 OR S12	Search modes - Boolean/Phrase	692,879
S14	(MH "Exercise+") OR (MH "Physical Fitness+") OR (MH "Sports+")	Search modes - Boolean/Phrase	151,398

S15	(MH "Therapeutic Exercise+")	Search modes - Boolean/Phrase	45,870
S16	kinesiotherap* OR exercise* OR motion* OR train* OR sport* OR fitness	Search modes - Boolean/Phrase	412,522
S17	S14 OR S15 OR S16	Search modes - Boolean/Phrase	441,634
S18	S6 AND S10 AND S13 AND S17	Search modes - Boolean/Phrase	304
S19	(PT (Systematic Review or Meta Analysis)) OR ((((systematic or method*) N3 (review* or overview* or study or studies or search* or approach*)) or meta analy* or meta-analy* or metaanaly*) OR ((pooled N1 (data or analys*))))	Search modes - Boolean/Phrase	279,253
S20	(Guideline* or guidance or consensus or recommendation*) OR PT practice guidelines	Search modes - Boolean/Phrase	272,718
S21	S19 OR S20	Search modes - Boolean/Phrase	517,411
S22	S18 AND S21	Search modes - Boolean/Phrase	77
S23	S18 AND S21	Limiters - Published Date: 20080101-20181231 Search modes - Boolean/Phrase	66

Cochrane Library

ID	Search	Hits
#1	MeSH descriptor: [Rheumatic Diseases] explode all trees	12896
#2	Rheumat* or arthrit* or osteoarthritis*	33240
#3	#1 or #2	34137
#4	MeSH descriptor: [Treatment Adherence and Compliance] explode all trees	24506
#5	barrier* or attend* or adher* or participat* or attitude* or belief* or complian* or noncompliant* or nonadher* or persist* or refus* or interrupt* or dropout* or drop out* or "no show"	190622
#6	#4 or #5	198382
#7	#3 and #6	6600
#8	MeSH descriptor: [Exercise] explode all trees	20890
#9	MeSH descriptor: [Exercise Therapy] explode all trees	11341
#10	MeSH descriptor: [Exercise Movement Techniques] explode all trees	1759
#11	MeSH descriptor: [Sports] explode all trees	13975
#12	kinesiotherap* or exercise* or motion* or train* or sport* or fitness	139641
#13	#8 or #9 or #10 or #11 or #12	141385
#14	#7 and #13 with Publication Year from 2008 to 2018	1973
#15	((compliant* OR adhere* OR persist* OR possession*) NEAR/3 (design OR designs OR method OR methods OR methodology OR measure OR measures OR measurement OR measurements OR calculate OR calculated OR calculating OR calculation* OR questionnaire* OR rate OR rating OR assess* OR ratio OR scale* OR instrument* OR tool OR tools))	11017
#16	patient* possession ratio* OR dppr	190
#17	"self report" OR diaries OR diary OR "patient* recall" OR "self reports" OR "patient recalls"	23739
#18	#15 OR #16 OR #17	33373
#19	#14 AND #18 with Cochrane Library publication date Between Jan 2008 and Jan 2018, in Cochrane Reviews	186