Appendix D: Literature search strategies

Search strategies used for the Psoriasis guideline were run in accordance with the NICE Guidelines Manual 2009: http://www.nice.org.uk/media/5F2/44/The_guidelines_manual_2009_-_All_chapters.pdf

All searches were run up to 08/03/2012 unless otherwise stated. Any studies added to the databases after this date were not included unless specifically stated in the text.

Clinical searches

Searches for **clinical reviews** were run in Medline (OVID), Embase (OVID), the Cochrane Library (Wiley) and CINAHL (EBSCO). Typically, searches were constructed in the following way:

- A PICO format was used for intervention searches. **Population** (P) terms were combined with **Intervention** (I) and sometimes **Comparison** (C) terms (as indicated in the tables under each individual question in Section A.3). An intervention can be a drug, a procedure or a diagnostic test. **Outcomes** (O) are rarely used in search strategies for interventions. Study type filters were added where appropriate (see A.1).

In addition to the databases outlined above, search A.3.14 and A.3.15 were run in PsycINFO (OVID). Where possible searches were limited to papers published in English. All search results retrieved on Cinahl were restricted to exclude Medline records.

Economic searches

Searches for **economic evidence** were run in Medline (Ovid), Embase (Ovid), the NHS Economic Evaluations Database (NHS EED), the Health Technology Assessment (HTA) database and the Health Economic Evaluation Database (HEED). NHS EED and HTA were searched via the Centre for Reviews and Dissemination (CRD) interface. For Medline and Embase an economic filter was added to the same clinical search strategy (see A.1.4). All other economic searches were conducted using only population terms.

Section D.1	**Study filter terms**
A.1.1	Systematic reviews (SR)
A.1.2	Randomized controlled trials (RCT)
A.1.3	Observational studies
A.1.4	Economic studies
A.1.5	Quality of life studies
A.1.6	Diagnostic accuracy
Section A.2	**Standard population search strategy** This population was used for all search questions unless stated.
Section A.3	**Searches for specific questions** with intervention (and population where different from A.2)
A.3.1	Assessment tools
A.3.2	Diagnostic tools for psoriatic arthritis
A.3.3	Specialist referral for psoriatic arthritis
A.3.4	Incidence of comorbidities

A.3.5	Risk of skin cancer
A.3.6	Topical therapy
A.3.7	Phototherapy
A.3.8	Phototherapy combined with acitretin
A.3.9	Topicals combined with UVB
A.3.10	Systemic non-biological therapy
A.3.11	Methotrexate and the risk of hepatotoxicity
A.3.12	Methotrexate and monitoring for hepatotoxicity
A.3.13	Sequencing of biological therapy
A.3.14	Cognitive behavioural therapy
A.3.15	Self management
Section A.4	**Economic searches**
A.4.1	Economic evaluations
A.4.2	Quality of life studies

D.1 Study design search terms

D.1.1 Systematic review (SR) search terms

Medline and Embase search terms

1.	review.pt. or review.ti. or "review"/
2.	(systematic* or evidence*or methodol* or quantitativ* or analys* or assessment*).ti,sh,ab.
3.	1 and 2
4.	meta-analysis.pt.
5.	meta-analysis/
6.	meta-analysis as topic/
7.	"systematic review"/
8.	(meta-analy* or metanaly* or metaanaly* or meta analy*).ti,ab.
9.	((systematic* or evidence* or methodol* or quantitativ*) adj5 (review* or survey* or overview*)).ti,ab,sh.
10.	((pool* or combined or combining) adj2 (data or trials or studies or results)).ti,ab.
11.	or/3-10

D.1.2 Randomised controlled trial (RCT) search terms

Medline search terms

1.	randomized controlled trial.pt.
2.	controlled clinical trial.pt.
3.	randomized.ab.
4.	placebo.ab.
5.	randomly.ab.
6.	clinical trials as topic.sh.
7.	trial.ti.
8.	or/1-7

Embase search terms

1.	random*.ti,ab.

2.	factorial*.ti,ab.
3.	(crossover* or cross over* or cross-over*).ti,ab.
4.	((doubl* or singl*) adj blind*).ti,ab.
5.	(assign* or allocat* or volunteer*).ti,ab.
6.	crossover procedure/
7.	double blind procedure/
8.	single blind procedure/
9.	randomized controlled trial/
10.	or/1-9

D.1.3 Observational studies search terms

Medline search terms

1.	exp clinical trial/
2.	exp clinical trials as topic/
3.	exp evaluation studies/ or follow-up studies/ or prospective studies/
4.	exp epidemiological studies/
5.	cohort stud$.ti,ab.
6.	case control stud$.ti,ab.
7.	((crossover or cross-over or cross over) adj2 (design$ or stud$ or procedure$ or trial$)).ti,ab.
8.	or/1-7

Embase search terms

1.	controlled study/
2.	clinical study/ or major clinical study/ or clinical trial/ or phase 1 clinical trial/ or phase 2 clinical trial/ or phase 3 clinical trial/ or phase 4 clinical trial/
3.	exp longitudinal study/
4.	exp cohort analysis/
5.	cohort studies.ti,ab.
6.	(cross adj2 over adj2 (study or design)).ti,ab.
7.	crossover procedure/
8.	or/1-7

D.1.4 Health economic search terms

Medline search terms

1.	economics/
2.	value of life/
3.	exp "costs and cost analysis"/
4.	exp economics, hospital/
5.	exp economics, medical/
6.	economics, nursing/
7.	economics, pharmaceutical/
8.	exp "fees and charges"/
9.	exp budgets/
10.	budget*.ti,ab.
11.	cost*.ti.

12.	(economic* or pharmaco?economic*).ti.
13.	(price* or pricing*).ti,ab.
14.	(cost* adj2 (effective* or utilit* or benefit* or minimi* or unit* or estimat* or variable*)).ab.
15.	(financ* or fee or fees).ti,ab.
16.	(value adj2 (money or monetary)).ti,ab.
17.	or/1-16

Embase search terms

1.	health economics/
2.	exp economic evaluation/
3.	exp health care cost/
4.	exp fee/
5.	budget/
6.	funding/
7.	budget*.ti,ab.
8.	cost*.ti.
9.	(economic* or pharmaco?economic*).ti.
10.	(price* or pricing*).ti,ab.
11.	(cost* adj2 (effective* or utilit* or benefit* or minimi* or unit* or estimat* or variable*)).ab.
12.	(financ* or fee or fees).ti,ab.
13.	(value adj2 (money or monetary)).ti,ab.
14.	or/1-13

D.1.5 Quality of life search terms

Medline search terms

1.	quality-adjusted life years/
2.	sickness impact profile/
3.	(quality adj2 (wellbeing or well being)).ti,ab.
4.	sickness impact profile.ti,ab.
5.	disability adjusted life.ti,ab.
6.	(qal* or qtime* or qwb* or daly*).ti,ab.
7.	(euroqol* or eq5d* or eq 5d*).ti,ab.
8.	(qol* or hql* or hqol* or h qol* or hrqol* or hr qol*).ti,ab.
9.	(health utility* or utility score* or disutilit*).ti,ab.
10.	(hui or hui1 or hui2 or hui3).ti,ab.
11.	health* year* equivalent*.ti,ab.
12.	(hye or hyes).ti,ab.
13.	rosser.ti,ab.
14.	(willingness to pay or time tradeoff or time trade off or tto or standard gamble*).ti,ab.
15.	(sf36 or sf 36 or short form 36 or shortform 36 or shortform36).ti,ab.
16.	(sf20 or sf 20 or short form 20 or shortform 20 or shortform20).ti,ab.
17.	(sf12 or sf 12 or short form 12 or shortform 12 or shortform12).ti,ab.
18.	(sf8 or sf 8 or short form 8 or shortform 8 or shortform8).ti,ab.
19.	(sf6 or sf 6 or short form 6 or shortform 6 or shortform6).ti,ab.
20.	or/1-20

Embase search terms

1.	quality adjusted life year/
2.	"quality of life index"/
3.	short form 12/ or short form 20/ or short form 36/ or short form 8/
4.	sickness impact profile/
5.	(quality adj2 (wellbeing or well being)).ti,ab.
6.	sickness impact profile.ti,ab.
7.	disability adjusted life.ti,ab.
8.	(qal* or qtime* or qwb* or daly*).ti,ab.
9.	(euroqol* or eq5d* or eq 5d*).ti,ab.
10.	(qol* or hql* or hqol* or h qol* or hrqol* or hr qol*).ti,ab.
11.	(health utility* or utility score* or disutilit*).ti,ab.
12.	(hui or hui1 or hui2 or hui3).ti,ab.
13.	health* year* equivalent*.ti,ab.
14.	(hye or hyes).ti,ab.
15.	rosser.ti,ab.
16.	(willingness to pay or time tradeoff or time trade off or tto or standard gamble*).ti,ab.
17.	(sf36 or sf 36 or short form 36 or shortform 36 or shortform36).ti,ab.
18.	(sf20 or sf 20 or short form 20 or shortform 20 or shortform20).ti,ab.
19.	(sf12 or sf 12 or short form 12 or shortform 12 or shortform12).ti,ab.
20.	(sf8 or sf 8 or short form 8 or shortform 8 or shortform8).ti,ab.
21.	(sf6 or sf 6 or short form 6 or shortform 6 or shortform6).ti,ab.
22.	or/1-21

D.1.6 Diagnostic accuracy

Medline and Embase search terms

1.	exp *prognosis/
2.	prognos*.ti.
3.	prevalence/
4.	incidence/
5.	(prevalence or incidence).ti.
6.	sensitiv$.ti,ab,hw.
7.	diagnos$.ti,ab,hw.
8.	di.fs.
9.	or/1-8

D.2 Standard population search strategy

Medline search terms

1.	psoria*.ti,ab,hw.
2.	(pustulo* adj3 palm*).ti,ab,hw.
3.	or/1-2
4.	letter.pt.
5.	letter/
6.	letter$/

7.	editorial.pt.
8.	historical article.pt.
9.	anecdote.pt.
10.	commentary.pt.
11.	note.pt.
12.	case report/
13.	case report$.pt.
14.	case study/
15.	case study.pt.
16.	exp animal/ not human/
17.	nonhuman/
18.	exp animal studies/
19.	animals, laboratory/
20.	exp experimental animal/
21.	exp animal experiment/
22.	exp animal model/
23.	exp rodentia/
24.	exp rodents/
25.	exp rodent/
26.	or/4-25
27.	3 not 26

Embase search terms

1.	exp psoriasis/
2.	psoria*.ti,ab,hw.
3.	(pustulo* adj3 palm*).ti,ab,hw.
4.	or/1-3
5.	letter.pt.
6.	letter/
7.	letter$/
8.	editorial.pt.
9.	historical article.pt.
10.	anecdote.pt.
11.	commentary.pt.
12.	note.pt.
13.	case report/
14.	case report$.pt.
15.	case study/
16.	case study.pt.
17.	exp animal/ not human/
18.	nonhuman/
19.	exp animal studies/
20.	animals, laboratory/
21.	exp experimental animal/
22.	exp animal experiment/

23.	exp animal model/
24.	exp rodentia/
25.	exp rodents/
26.	exp rodent/
27.	or/5-26
28.	4 not 27

Cinahl search terms

S1	psoria*
S2	pustulo* n3 palm*
S3	S1 and S2

Cochrane search terms

#1	psoria*:ti,ab,kw
#2	pustulo* near/3 palm*:ti,ab,hw
#3	(#1 or #2)

PsycINFO search terms

1.	psoria*.mp.

D.3 Searches for specific questions

D.3.1 Assessment tools

Q. In people with psoriasis (all types), which are the most effective tools to assess the (a) severity and (b) impact of disease across all levels of healthcare provision and at any stage of the disease journey?

Search constructed by combining the columns in the following table using the and Boolean operator

Population	Intervention	Comparison	Study filter used	Date parameters
Psoriasis	Assessment tools		RCTs, SRs, Observational studies and Diagnostic accuracy [Medline and Embase only]	All years – 08/03/2012

Medline search terms

1.	(PASI or SPI or SAPASI or LS-PGA or PSSI or s-mPASI or hn-PASI or S-PaGA or GSS or PGA or BSA or NAPSI).ti,ab.
2.	(psoria* adj3 index).ti,ab.
3.	(global adj (assess* or severity)).ti,ab.
4.	body surface area.ti,ab.
5.	photography.ti,ab.
6.	"psoriasis area and severity index".ti,ab.
7.	(DLQI or CDLQI or IPSO or PSPRIoL or PQoL-12 or PDI or PLSI or QES or SkinDex29 or Scalpdex).ti,ab.
8.	((dermatology or psoriasis) adj2 quality).ti,ab.
9.	(psoriasis adj4 (questionnaire or inventory)).ti,ab.
10.	psoriasis life stress inventory.ti,ab.
11.	(questionnaire adj4 skin complaints).ti,ab.

12.	severity of illness index/
13.	"quality of life"/
14.	questionnaires/
15.	or/1-14

Embase search terms

1.	(PASI or SPI or SAPASI or LS-PGA or PSSI or s-mPASI or hn-PASI or S-PaGA or GSS or PGA or BSA or NAPSI).ti,ab.
2.	(psoria* adj3 index).ti,ab.
3.	(global adj (assess* or severity)).ti,ab.
4.	body surface area.ti,ab.
5.	photography.ti,ab.
6.	"psoriasis area and severity index".ti,ab.
7.	(DLQI or CDLQI or IPSO or PSPRIoL or PQoL-12 or PDI or PLSI or QES or SkinDex* or Scalpdex).ti,ab.
8.	((dermatology or psoriasis) adj2 quality).ti,ab.
9.	(psoriasis adj4 (questionnaire or inventory)).ti,ab.
10.	psoriasis life stress inventory.ti,ab.
11.	(questionnaire adj4 skin complaints).ti,ab.
12.	exp disease severity/ or exp scoring system/
13.	exp "quality of life"/
14.	exp questionnaire/
15.	or/1-14

Cinahl search terms

S1	PASI or SPI or SAPASI or LS-PGA or PSSI or s-mPASI or hn-PASI or S-PaGA or GSS or PGA or BSA or NAPSI
S2	psoria* n3 index
S3	global n1 assess* or global n1 severity
S4	body surface area
S5	photography
S6	"psoriasis area and severity index"
S7	dermatology n2 quality or psoriasis n2 quality
S8	psoriasis n4 questionnaire or psoriasis n4 inventory or questionnaire n4 skin complaint
S9	(MM "severity of illness indices") or (MM "severity of illness")
S10	(MM "quality of life")
S11	(MH "questionnaires")
S12	S1 or S2 or S3 or S4 or S5 or S6 or S7 or S8 or S9 or S10 or S11

Cochrane search terms

#1	(PASI or SPI or SAPASI or LS-PGA or PSSI or s-mPASI or hn-PASI or S-PaGA or GSS or PGA or BSA or NAPSI):ti,ab
#2	psoria* near/3 index:ti,ab
#3	(global near/1 (assess* or severity)):ti,ab
#4	body surface area:ti,ab
#5	photography:ti,ab
#6	"psoriasis area and severity index":ti,ab

#7	(DLQI or CDLQI or IPSO or PSPRIoL or "PQoL-12" or PDI or PLSI or QES or SkinDex29 or Scalpdex):ti,ab
#8	((dermatology or psoriasis) near/2 quality):ti,ab
#9	(psoriasis near/4 (questionnaire or inventory)):ti,ab
#10	(questionnaire near/4 skin complaints):ti,ab
#11	MeSH descriptor severity of illness index, this term only
#12	MeSH descriptor quality of life explode all trees
#13	MeSH descriptor questionnaires explode all trees
#14	(#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)

D.3.2 Diagnostic tools for psoriatic arthritis

Q. In people with psoriasis (all types), which is the most accurate diagnostic tool compared with clinical diagnosis by a rheumatologist to help a non-specialist identify psoriatic arthritis?

Search constructed by combining the columns in the following table using the and Boolean operator

Population	Intervention	Comparison	Study filter used	Date parameters
Psoriasis	Diagnostic tools			All years – 08/03/2012

Medline and Embase search terms

1.	"psoriatic arthritis screening and evaluation".ti,ab.
2.	"psoriasis epidemiology screening tool".ti,ab.
3.	"toronto psoriatic arthritis".ti,ab.
4.	alenius.ti,ab.
5.	"classification criteria for psoriatic arthritis".ti,ab.
6.	(PASE or PEST or ToPAS or CASPAR).ti,ab.
7.	toronto.ti,ab.
8.	exp mass screening/
9.	(screen* adj tool*).ti,ab.
10.	or/1-9

Cinahl search terms

S1	(MH "health screening+")
S2	(MM "instrument validation")
S3	screen* n2 tool*
S4	evaluat* n2 tool*
S5	PASE or PEST or ToPAS or CASPAR
S6	toronto
S7	alenius
S8	classification criteria and psoriatic arthritis
S9	epidemiology and screening
S10	psoriatic arthritis screening
S11	S1 or S2 or S3 or S4 or S5 or S6 or S7 or S8 or S9 or S10

Cochrane search terms

#1	psoriatic arthritis screening:ti,ab
#2	psoriasis epidemiology screening:ti,ab

#3	toronto psoriatic arthritis:ti,ab
#4	(classification criteria) and (psoriatic arthritis)
#5	(PASE or PEST or ToPAS or CASPAR):ti,ab
#6	toronto:ti,ab
#7	MeSH descriptor mass screening, this term only
#8	screen* near tool*:ti,ab
#9	evaluat* adj tool*:ti,ab
#10	(#1 or #2 or #3 or #4 or #5 or #6 or #7 or #8 or #9)

D.3.3 Specialist referral for psoriatic arthritis

Q. In people with psoriasis (all types) and suspected psoriatic arthritis, how quickly should referral to a specialist be made in order to minimise the impact of disease on symptoms, joint damage and quality of life?

Search constructed by combining the columns in the following table using the and Boolean operator

Population	Intervention	Comparison	Study filter used	Date parameters
Psoriasis	Referral		RCTs, SRs and Observational studies [Medline and Embase only]	All years – 08/03/2012

Medline search terms

1.	disease progression/
2.	exp "referral and consultation"/
3.	exp patient referral/
4.	early diagnosis/
5.	delayed diagnosis/
6.	(early adj2 (diagnos* or treat* or refer*)).ti,ab.
7.	(late adj2 (diagnos* or treat* or refer*)).ti,ab.
8.	(refer* adj2 (specialist* or rheumatologist*)).ti,ab.
9.	((early or urgent or delay* or timely) adj2 (referral* or diagnos*)).ti,ab.
10.	exp *prognosis/
11.	prognos*.ti.
12.	incidence/ or prevalence/
13.	(incidence or prevalence).ti,ab.
14.	natural history/
15.	time factors/
16.	or/1-15

Embase search terms

1.	disease course/
2.	patient referral/
3.	early diagnosis/
4.	delayed diagnosis/
5.	(early adj2 (diagnos*or treat* or refer*)).ti,ab.
6.	(late adj2 (diagnos* or treat* or refer*)).ti,ab.
7.	(refer* adj2 (specialist* or rheumatologist*)).ti,ab.
8.	((early or urgent or delay* or timely) adj2 (referral* or diagnos*)).ti,ab.

9.	exp *prognosis/
10.	prognos*.ti.
11.	prevalence/
12.	incidence/
13.	(prevalence or incidence).ti.
14.	history/
15.	time/
16.	or/1-15

Cinahl search terms

S1	(MH "disease progression")
S2	(MH "referral and consultation")
S3	(MH "early diagnosis+")
S4	(MH "diagnosis, delayed")
S5	early n2 diagnos* or early n2 treatment* or early n2 refer*
S6	late n2 diagnos* or late n2 treatment* or late n2 refer*
S7	refer* n2 specialist* or refer* n2 rheumatologist*
S8	urgent n2 referral* or urgent n2 diagnos* or delay* n2 referral* or delay* n2 diagnos* or timely n2 referral* or timely n2 diagnos**
S9	(MH "prognosis+")
S10	(MH "prevalence")
S11	(MH "incidence")
S12	incidence or prevalence or prognos*
S13	S1 or S2 or S3 or S4 or S5 or S6 or S7 or S8 or S9 or S10 or S11 or S12

Cochrane search terms

#1	MeSH descriptor disease progression, this term only
#2	MeSH descriptor referral and consultation explode all trees
#3	MeSH descriptor early diagnosis, this term only
#4	MeSH descriptor delayed diagnosis explode all trees
#5	early near/2 diagnos*:ti,ab
#6	early next treatment*:ti,ab
#7	early near/2 refer*:ti,ab
#8	late near/2 diagnos*:ti,ab
#9	late next treatment*:ti,ab
#10	late near/2 refer*:ti,ab
#11	(refer* near/2 (specialist* or rheumatologist*)):ti,ab
#12	((early or urgent or delay* or timely) near/2 (referral* or diagnos*)):ti,ab
#13	MeSH descriptor prognosis explode all trees
#14	prognos*:ti
#15	MeSH descriptor prevalence, this term only
#16	MeSH descriptor incidence, this term only
#17	(prevalence or incidence):ti
#18	MeSH descriptor time factors, this term only
#19	(#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 or #14 or #15 or #16 or #17 or #18)

D.3.4 Incidence of comorbidities

Q. Are people with psoriasis at higher risk than people without psoriasis for significant comorbidities and are there subgroups within the psoriasis population at a further increased risk?

Search constructed by combining the columns in the following table using the and Boolean operator

Population	Intervention	Comparison	Study filter used	Date parameters
Psoriasis	Comorbidity risk factors		RCTs, SRs and Observational studies [Medline and Embase only]	All years – 08/03/2012

Medline search terms

1.	exp comorbidity/
2.	comorbid*.ti,ab.
3.	1 or 2
4.	exp obesity/
5.	obes*.ti,ab.
6.	body mass index/ or body weight/
7.	('body mass index' or bmi).ti,ab.
8.	metabolic syndrome x/
9.	exp cardiovascular diseases/
10.	hypertens*.ti,ab.
11.	(essential adj hypertension).ti,ab.
12.	(isolat* adj hypertension).ti,ab.
13.	(elevat* adj2 blood adj pressur*).ti,ab.
14.	(high adj blood adj pressur*).ti,ab.
15.	(increase* adj2 blood pressur*).ti,ab.
16.	((systolic or diastolic or arterial) adj2 pressur*).ti,ab.
17.	myocardial infarct*.ti,ab.
18.	((cardiac or heart) adj (infarct* or attack* or arrest* or event*)).ti,ab.
19.	heart failure.ti,ab.
20.	exp stroke/
21.	(stroke or strokes or cva or poststroke$ or apoplexy or "cerebrovascular accident").ti,ab.
22.	((cerebro$ or brain or brainstem or cerebral$) adj3 (infarct$ or accident$)).ti,ab.
23.	exp dyslipidemias/
24.	(hyperlipid?emia* or dyslipid?emia*).ti,ab.
25.	exp alcohol drinking/
26.	exp smoking/
27.	exp tobacco, smokeless/
28.	exp alcoholic beverages/
29.	exp alcohol-related disorders/
30.	(smoking or smoker*).ti,ab.
31.	tobacco*.ti,ab.
32.	alcohol*.ti,ab.
33.	exp neoplasms/
34.	(cancer* or lymphoma*).ti,ab.

35.	exp liver diseases/
36.	(liver adj3 (disease* or disorder*)).ti,ab.
37.	(cirrhosis or fibrosis).ti,ab.
38.	exp diabetes mellitus/ or exp glycosuria/ or exp hyperglycemia/ or exp hyperinsulinism/ or exp hypoglycemia/
39.	diabet*.ti,ab.
40.	exp inflammatory bowel diseases/
41.	ibd.ti,ab.
42.	(bowel adj3 (disease* or disorder*)).ti,ab.
43.	colitis*.ti,ab.
44.	crohn*.ti,ab.
45.	exp depression/ or exp stress, psychological/
46.	exp depressive disorder/
47.	(depress* or dysphori* or dysthym* or melanchol* or seasonal affective*).ti,ab.
48.	or/4-47
49.	3 or 48

Embase search terms

1.	exp comorbidity/
2.	comorbid*.ti,ab.
3.	1 or 2
4.	exp obesity/
5.	obes*.ti,ab.
6.	exp body mass/ or exp body weight/
7.	('body mass index' or bmi).ti,ab.
8.	metabolic syndrome x/
9.	exp cardiovascular diseases/
10.	hypertens*.ti,ab.
11.	(essential adj hypertension).ti,ab.
12.	(isolat* adj hypertension).ti,ab.
13.	(elevat* adj2 blood adj pressur*).ti,ab.
14.	(high adj blood adj pressur*).ti,ab.
15.	(increase* adj2 blood pressur*).ti,ab.
16.	((systolic or diastolic or arterial) adj2 pressur*).ti,ab.
17.	myocardial infarct*.ti,ab.
18.	((cardiac or heart) adj (infarct* or attack* or arrest* or event*)).ti,ab.
19.	heart failure.ti,ab.
20.	exp stroke/
21.	(stroke or strokes or cva or poststroke$ or apoplexy or "cerebrovascular accident").ti,ab.
22.	((cerebro$ or brain or brainstem or cerebral$) adj3 (infarct$ or accident$)).ti,ab.
23.	exp dyslipidemia/
24.	exp hyperlipidemia/
25.	(hyperlipid?emia* or dyslipid?emia*).ti,ab.
26.	exp drinking behavior/
27.	exp alcoholism/
28.	exp alcoholic beverage/

29.	exp smoking/
30.	exp smokeless tobacco/
31.	(smoking or smoker*).ti,ab.
32.	tobacco*.ti,ab.
33.	alcohol*.ti,ab.
34.	exp neoplasm/
35.	(cancer* or lymphoma*).ti,ab.
36.	exp liver disease/
37.	(liver adj3 (disease* or disorder*)).ti,ab.
38.	(cirrhosis or fibrosis).ti,ab.
39.	exp diabetes mellitus/ or exp glycosuria/ or exp hyperglycemia/ or exp hyperinsulinism/ or exp hypoglycemia/
40.	diabet*.ti,ab.
41.	exp enteritis/
42.	ibd.ti,ab.
43.	(bowel adj3 (disease* or disorder*)).ti,ab.
44.	colitis*.ti,ab.
45.	crohn*.ti,ab.
46.	exp depression/
47.	exp psychological stress/
48.	(depress* or dysphori* or dysthym* or melanchol* or seasonal affective*).ti,ab.
49.	or/4-48
50.	3 or 49

Cinahl search terms

S1	(MH "comorbidity")
S2	comorbid*
S3	(MH "obesity+")
S4	obes*
S5	(MH "body weight+") OR (MH "body mass index")
S6	body mass index
S7	bmi
S8	(MH "metabolic syndrome X+")
S9	(MH "cardiovascular diseases+")
S10	hypertens*
S11	elevat* n2 blood pressur*
S12	increase* n2 blood pressur*
S13	systolic n2 pressur*
S14	diastolic n2 pressur*
S15	arterial n2 pressur*
S16	myocardial infarct*
S17	heart n2 infarct* or cardiac n2 infarct*
S18	heart n2 attack* or cardiac n2 attack*
S19	heart n2 arrest* or cardiac n2 arrest*
S20	heart n2 event* or cardiac n2 event*
S21	heart n1 failure

S22	vascular n2 disease* or arterial n2 disease
S23	(MH "stroke")
S24	stroke or strokes or cva or poststroke or apoplexy or cerebrovascular accident
S25	cerebro* n3 infarct* or cerebro* n3 accident* or brain* n3 infarct* or brain* n3 accident* or brainstem* n3 infarct* or brainstem* n3 accident* or cerebral* n3 infarct* or cerebral* n3 accident*
S26	(MH "hyperlipidemia+")
S27	hyperlipidemia or hyperlipidaemia or dyslipidemia or dyslipidaemia
S28	(MH "drinking behavior+")
S29	(MH "alcoholic beverages+")
S30	(MH "alcohol-related disorders+")
S31	(MH "smoking+")
S32	(MH "tobacco, smokeless")
S33	smoker* or smoking or alcohol* or tobacco*
S34	(MH "neoplasms+")
S35	cancer* or lymphoma* or carcinoma* or melanoma*
S36	(MH "liver diseases+")
S37	liver n3 disease*
S38	liver n3 disorder*
S39	cirrhosis or fibrosis
S40	(Mh "diabetes mellitus+") or (mh "hypoglycemia+") or (mh "hyperinsulinism+") or (mh "hyperglycemia+") or (mh "hyperinsulinemia")
S41	diabet*
S42	(MH "inflammatory bowel diseases+")
S43	ibd or colitis* or crohn*
S44	bowel n3 disease* or bowel n3 disorder*
S45	(MH "affective disorders+") or (mh "depression")
S46	(MH "stress, psychological+")
S47	depress* or dysphori* or melanchol* or seasonal affective*
S48	S1 or S2 or S3 or S4 or S5 or S6 or 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 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 or S42 or S43 or S44 or S45 or S46 or S47

Cochrane search terms

#1	MeSH descriptor comorbidity explode all trees
#2	comorbid*:ti,ab
#3	MeSH descriptor obesity explode all trees
#4	obes*:ti,ab.
#5	MeSH descriptor body mass index explode all trees
#6	"body mass index":ti,ab
#7	BMI:ti,ab.
#8	MeSH descriptor metabolic syndrome X explode all trees
#9	MeSH descriptor cardiovascular diseases explode all trees
#10	(#1 or #2 or #3 or #4 or #5 or #6 or #7 or #8 or #9)
#11	hypertens*:ti,ab
#12	(elevat* near/2 blood next pressur*):ti,ab

#13	(increase* near/2 blood next pressur*):ti,ab
#14	((systolic or diastolic or arterial) near/2 pressur*):ti,ab
#15	myocardial infarct*:ti,ab
#16	((heart or cardiac) next (infarct* or attack* or arrest* or event*)):ti,ab
#17	heart failure:ti,ab
#18	((vascular or arterial) next disease):ti,ab
#19	MeSH descriptor stroke explode all trees
#20	(#11 or #12 or #13 or #14 or #15 or #16 or #17 or #18 or #19)
#21	(stroke or strokes or cva or poststroke* or apoplexy or "cerebrovascular accident"):ti,ab
#22	((cerebro* or brain or brainstem or cerebral*) near/3 (infarct* or accident*)):ti,ab
#23	MeSH descriptor dyslipidemias explode all trees
#24	(hyperlipidemia* or dyslipidemia* or hyperlipidaemia* or dyslipidaemia*):ti,ab
#25	MeSH descriptor alcohol-related disorders explode all trees
#26	MeSH descriptor drinking behavior explode all trees
#27	MeSH descriptor alcoholic beverages explode all trees
#28	MeSH descriptor smoking explode all trees
#29	MeSH descriptor tobacco, smokeless explode all trees
#30	(#21 or #22 or #23 or #24 or #25 or #26 or #27 or #28 or #29)
#31	(smoking or smoker*):ti,ab
#32	tobacco*:ti,ab
#33	alcohol*:ti,ab
#34	MeSH descriptor neoplasms explode all trees
#35	(cancer* or lymphoma* or carcinoma* or melanoma*):ti,ab
#36	MeSH descriptor liver diseases explode all trees
#37	(liver near/3 (disease* or disorder*)):ti,ab
#38	(cirrhosis or fibrosis):ti,ab
#39	MeSH descriptor diabetes mellitus explode all trees
#40	(#31 or #32 or #33 or #34 or #35 or #36 or #37 or #38 or #39)
#41	MeSH descriptor glycosuria explode all trees
#42	MeSH descriptor hyperglycemia explode all trees
#43	MeSH descriptor hyperinsulinism explode all trees
#44	MeSH descriptor hypoglycemia explode all trees
#45	diabet*:ti,ab
#46	MeSH descriptor inflammatory bowel diseases explode all trees
#47	IBD:ti
#48	(bowel near/3 (disorder* or disease*)):ti,ab
#49	colitis*:ti,ab
#50	(#41 or #42 or #43 or #44 or #45 or #46 or #47 or #48 or #49)
#51	crohn*:ti,ab
#52	MeSH descriptor depression explode all trees
#53	MeSH descriptor stress, psychological explode all trees
#54	MeSH descriptor depressive disorder explode all trees
#55	(depress* or dysphori* or dysthym* or melanchol* or seasonal affective*):ti,ab
#56	(#10 or #20 or #30 or #40 or #50 or #51 or #52 or #53 or #54 or #55)

D.3.5 Risk of skin cancer

Q. In people with psoriasis (all types) who have been exposed to coal tar, phototherapy (BBUVB, NBUVB and PUVA), systemic non-biological or biological therapy, what is the risk of skin cancer compared with people not exposed to these interventions and which individuals are at particular risk?

Search constructed by combining the columns in the following table using the and Boolean operator

Population	Intervention	Comparison	Study filter used	Date parameters
Psoriasis	Skin cancer	Phototherapy or systemic therapy or topical therapy [Medline and Embase only]		All years – 08/03/2012

Medline search terms

1.	exp skin neoplasms/
2.	(skin adj3 (cancer* or neoplasm* or tumo?r or malignan*)).ti,ab.
3.	exp carcinoma, squamous cell/
4.	exp carcinoma, basal cell/
5.	exp melanoma/
6.	or/1-5
7.	exp phototherapy/
8.	exp photochemotherapy/
9.	photo?chemotherap*.ti,ab.
10	photo?therap*.ti,ab.
11	exp ultraviolet rays/
12	exp ultraviolet therapy/
13	ultra?violet*.ti,ab.
14	(uv*2 or uv?a or uv?b or nb?uv* or bb?uv*).ti,ab.
15	psoralen*.ti,ab.
16	exp laser, excimer/
17	(excimer adj3 laser*).ti,ab.
18	helio?therap*.ti,ab.
19	sun?bed*.ti,ab.
20	((narrow?band or broad?band) and (uv*2 or ultra?violet*)).ti,ab.
21	tl?01.ti,ab.
22	methotrexate/
23	methotrexate.ti,ab.
24	(cyclosporin or ciclosporin or cyclosporine or ciclosporine or deximune or neoral or sandimmun or sandimmune or restasis or cicloral).ti,ab.
25	cyclosporine/
26	acitretin/
27	(acitretin* or isoacitretin* or soriatan* or soriatane ck or etretin* or neotigason* or tigason*).ti,ab.
28	exp coal tar/
29	(coal tar or psoriderm or alphosyl or capasal).ti,ab.
30	(carbo-dome or exorex or cocois or sebco or pinetarsol).ti,ab.

31	(gelcosar or gelcotar or pragmatar or polytar or tarcortin or capasal or ionil or pentrax).ti,ab.
32	(t adj gel).ti,ab.
33	carbo dome.ti,ab.
34	t?gel.ti,ab.
35	(etanercept or infliximab or adalimumab or ustekinumab).ti,ab.
36	exp biological therapy/
37	(biologic* adj3 therap*).ti,ab.
38	(embrel or remicade or humira or stelara).ti,ab.
39	or/7-38
40	6 and 39

Embase search terms

1.	exp skin tumor/
2.	(skin adj3 (cancer* or neoplasm* or tumo?r or malignan*)).ti,ab.
3.	exp melanoma/
4.	basal cell carcinoma/
5.	squamous cell carcinoma/
6.	or/1-5
7.	exp phototherapy/
8.	exp photochemotherapy/
9.	photo?chemotherap*.ti,ab.
10.	phototherap*.ti,ab.
11.	exp ultraviolet radiation/
12.	ultra?violet*.ti,ab.
13.	(uv*2 or uv?a or uv?b or nb?uv* or bb?uv*).ti,ab.
14.	puva*.ti,ab.
15.	psoralen*.ti,ab.
16.	exp excimer laser/
17.	(excimer adj3 laser*).ti,ab.
18.	helio?therap*.ti,ab.
19.	sun?bed*.ti,ab.
20.	((narrow?band or broad?band) and (uv*2 or ultra?violet*)).ti,ab.
21.	tl?01.ti,ab.
22.	methotrexate/
23.	methotrexate.ti,ab.
24.	(cyclosporin or ciclosporin or cyclosporine or ciclosporine or deximune or neoral or sandimmun or sandimmune or restasis or cicloral).ti,ab.
25.	cyclosporin/ or cyclosporin a/
26.	etretin/
27.	(acitretin* or isoacitretin* or soriatan* or soriatane ck or etretin* or neotigason* or tigason*).ti,ab.
28.	exp coal tar/
29.	(coal tar or psoriderm or alphosyl or capasal or carbo-dome or 'carbo dome' or exorex or cocois or sebco or pinetarsol or gelcosar or gelcotar or pragmatar or polytar or tarcortin or capasal or ionil or pentrax).ti,ab.
30.	(t adj gel).ti,ab.

31.	t?gel.ti,ab.
32.	exp etanercept/
33.	exp infliximab/
34.	exp adalimumab/
35.	exp ustekinumab/
36.	(etanercept or infliximab or adalimumab or ustekinumab).ti,ab.
37.	(embrel or remicade or humira or stelara).ti,ab.
38.	exp biological therapy/
39.	(biologic* adj3 therap*).ti,ab.
40.	or/7-39
41.	6 and 40

Cinahl search terms

S1	(MH "skin neoplasms+")
S2	skin and (cancer* or neoplasm* or tumor* or tumour* or malignan*)
S3	(MH "melanoma+")
S4	(MH "carcinoma, basal cell")
S5	(MH "carcinoma, squamous cell+")
S6	S1 or S2 or S3 or S4 or S5

Cochrane search terms

#1	MeSH descriptor skin neoplasms explode all trees
#2	(skin near/3 (cancer* or neoplasm* or tumo?r or malignan*)):ti,ab,kw
#3	((squamous or basal) near/2 carcinoma):ti,ab,kw
#4	melanoma:ti,ab,kw
#5	(#1 or #2 or #2 or #4)

D.3.6 Topical therapy

The following two questions were searched using a single strategy:

Q. In people with chronic plaque psoriasis of the trunk and/or limbs, what are the clinical effectiveness, safety, tolerability, and cost effectiveness of topical vitamin D or vitamin D analogues, potent or very potent corticosteroids, tar, dithranol and retinoids compared with placebo or vitamin D analogues, and of combined or concurrent vitamin D or vitamin D analogues and potent corticosteroids compared with potent corticosteroid or vitamin D or vitamin D analogues alone?

Q. In people with chronic plaque psoriasis at high impact or difficult-to-treat sites (scalp, flexures, face), what are the clinical effectiveness, safety, tolerability and cost effectiveness of vitamin D or vitamin D analogues, mild to very potent corticosteroids, combined or concurrent vitamin D or vitamin D analogue and potent corticosteroid, pimecrolimus, tacrolimus, tar, dithranol and retinoids compared with placebo, corticosteroids or vitamin D or vitamin D analogues?

Search constructed by combining the columns in the following table using the and Boolean operator

Population	Intervention	Comparison	Study filter used	Date parameters
Psoriasis	Topical therapies		RCTs [Medline and Embase only]	All years – 08/03/2012

Medline search terms

1.	coal tar/
2.	coal tar.tw.
3.	alphosyl.tw.
4.	carbo dome.tw.
5.	clinitar.tw.
6.	exorex.tw.
7.	gelcosal.tw.
8.	gelcotar.tw.
9.	pragmatar.tw.
10.	psorigel.tw.
11.	balneum.tw.
12.	polytar.tw.
13.	psoriderm.tw.
14.	tarcortin.tw.
15.	cocois.tw.
16.	(t adj gel).tw.
17.	capasal.tw.
18.	ceanel.tw.
19.	clinitar.tw.
20.	ionil.tw.
21.	meted.tw.
22.	pentrax.tw.
23.	anthralin/
24.	dithranol.tw.
25.	dithrocream.tw.
26.	micanol.tw.
27.	psorin.tw.
28.	betesil.tw.
29.	clarelux.tw.
30.	etrivex.tw.
31.	xamiol.tw.
32.	pinetarsol.tw.
33.	sebco.tw.
34.	emollient*.tw.
35.	budesonide/
36.	budesonide.tw.
37.	(vitamin adj d adj2 analogue$).tw.
38.	(vitamin adj d adj2 derivative$).tw.
39.	calcipotriol.tw.
40.	calcipotriene.tw.
41.	dovonex.tw.
42.	dovobet.tw.
43.	tacalcitol.tw.
44.	curatoderm.tw.
45.	tazarotene.tw.

46.	zorac.tw.
47.	calcitriol/
48.	silkis.tw.
49.	maxacalcitol.tw.
50.	tacrolimus/
51.	tacrolimus.tw.
52.	protopic.tw.
53.	pimecrolimus/
54.	pimecrolimus.tw.
55.	elidel.tw.
56.	topical retinoid$.tw.
57.	topical macrolactam$.tw.
58.	topical immunosuppressant$.tw.
59.	exp adrenal cortex hormones/
60.	corticosteroid$.tw.
61.	cortico steroid$.tw.
62.	exp hydrocortisone/
63.	cobadex.tw.
64.	dioderm.tw.
65.	efcortelan.tw.
66.	hydrocortisyl.tw.
67.	mildison.tw.
68.	alphaderm.tw.
69.	calmurid.tw.
70.	hydrocortisone butyrate.tw.
71.	locoid.tw.
72.	alclometasone dipropionate.tw.
73.	modrasone.tw.
74.	beclomethasone/
75.	beclomet$asone dipropionate.tw.
76.	propaderm.tw.
77.	exp betamethasone/
78.	betamethasone esters.tw.
79.	betamethasone.tw.
80.	betacap.tw.
81.	betnovate.tw.
82.	diprosone.tw.
83.	diprosalic.tw.
84.	bettamousse.tw.
85.	clobetasol propionate.tw.
86.	dermovate.tw.
87.	clobetasone butyrate.tw.
88.	eumovate.tw.
89.	trimovate.tw.
90.	desoximetasone/

91.	desoxymethasone.tw.
92.	desoximetasone.tw.
93.	stiedex.tw.
94.	diflucortolone/
95.	diflucortolone valerate.tw.
96.	nerisone.tw.
97.	exp fluocinolone acetonide/
98.	fluocinolone acetonide.tw.
99.	synalar.tw.
100.	fluocinonide.tw.
101.	metosyn.tw.
102.	exp fluocortolone/
103.	fluocortolone.tw.
104.	ultralanum.tw.
105.	flurandrenolone/
106.	flurandrenolone.tw.
107.	fludroxycortid$.tw.
108.	haelan.tw.
109.	fluticasone propionate.tw.
110.	cutivate.tw.
111.	halcinonide.tw.
112.	halciderm.tw.
113.	mometasone furoate.tw.
114.	elocon.tw.
115.	exp triamcinolone/
116.	triamcinolone acetonide.tw.
117.	adcortyl.tw.
118.	aureocort.tw.
119.	nystadermal.tw.
120.	tri-adcortyl.tw.
121.	or/1-120

Embase search terms

1.	coal tar/
2.	(coal tar or alphosyl or carbo dome or clinitar or exorex or cocois or t gel or capasal or ceanel or ionil or meted or pentrax).ti,ab.
3.	(gelcosal or gelcotar or pragmatar or psoriderm or psorigel or balneum or polytar or tarcortin or dithranol or dithrocream).ti,ab.
4.	(anthralin or micanol or psorin or vitamin d analogue$ or vitamin d derivative$).ti,ab.
5.	dithranol/ or tazarotene/
6.	(betesil or clarelux or etrivex or xamiol or pinetarsol or sebco or emollient*).tw.
7.	(calcipotriol or calcipotriene or dovonex or dovobet or tacalcitol or curatoderm or tazarotene or zorac or silkis or maxacalcitol).ti,ab.
8.	vitamin d derivative/ or calcipotriol/ or calcitriol/ or tacalcitol/
9.	budesonide/ or budesonide.tw.
10.	(vitamin adj d adj2 analog*).tw.

11.	(vitamin adj d adj2 derivativ*).tw.
12.	pimecrolimus/
13.	tacrolimus/
14.	(tacrolimus or protopic or pimecrolimus or elidel).tw.
15.	topical retinoid*.tw.
16.	topical macrolactam*.tw.
17.	topical immunosuppressant*.tw.
18.	exp corticosteroid/
19.	exp hydrocortisone/
20.	(corticosteroid$ or cortico steroid$ or hydrocortisone or cobadex or dioderm or efcortelan).ti,ab.
21.	(hydrocortisyl or mildison or alphaderm or calmurid).ti,ab.
22.	(locoid or modrasone or beclomethasone dipropionate).ti,ab.
23.	(alclometasone diproprionate or propaderm or betamethasone or betamethasone esters or betacap or betnovate or diprosone).ti,ab.
24.	(diprosalic or bettamousse or clobetasol propionate or dermovate or clobetasone butyrate).ti,ab.
25.	exp betamethasone/
26.	(eumovate or trimovate or desoxymethasone or desoxymetasone or desoximethasone or desoximetasone or stiedex).ti,ab.
27.	(diflucortolone valerate or nerisone or fluocinolone acetonide or synalar or fluocinonide or metosyn).ti,ab.
28.	(ultralanum or flurandrenolone or fludroxycortid* or haelan or fluticasone propionate or cutivate or halcinonide or halciderm).ti,ab.
29.	(mometasone furoate or elocon or adcortyl or aureocort or nystadermal or tri adcortyl).ti,ab.
30.	beclometasone/ or psoralon/ or psoraderm/ or psoradexan/ or psorin/
31.	beclometasone dipropionate/ or urea/ or hydrocortisone butyrate/ or hydrocortisone plus urea/
32.	alclometasone dipropionate/ or betamethasone dipropionate/ or betamethasone valerate/ or diflucortolone/
33.	clobetasol propionate/ or clobetasone butyrate/ or desoximetasone/ or diflucortolone valerate/ or fluocinonide/ or fluticasone propionate/
34.	fluocinolone/ or halcinonide/ or mometasone furoate/ or triamcinolone acetonide/
35.	fluocortolone/ or fluocortolone.tw.
36.	fluocinolone acetonide/
37.	fludroxycortide/
38.	exp triamcinolone/
39.	triamcinolone acetonide/ or triamcinolone acetonide.tw.
40.	or/1-39

Cinahl search terms

S1.	(MH "keratolytic agents")
S2.	*tar* or *gel* or alphosyl or carbodome or exorex or balneum or cocois or capasal or ceanel or ionil or meted
S3.	vitamin and d
S4.	pentrax or anthralin or dithr* or miconol or psorin or psoriderm or calcipo* or dovo* or *calcit* or curatoderm
S5.	tazarotene or zorac or silkis

S6.	tacrolimus or pimecrolimus or protopic or elidel
S7.	betesil or clarelux or etrivex or xamiol or pinetarsol or sebco or emollient*
S8.	(MH "budesonide") or "budesonide"
S9.	topical retinoid* or topical macrolactam* or topical immunosuppressant*
S10.	(MH "adrenal cortex hormones+")
S11.	(MH "hydrocortisone")
S12.	corticosteroid* or cortico steroid*
S13.	hydrocort* or cobadex or efcortalan or *derm or *dermal or *movate or mildison or calmurid or locoid or alcometasone or modrasone
S14.	beclo* or betametha* or betacap or betnovate or bettamousse or dipro* or clobetaso* or desox* or stiedex or diflucortolone or nerisone or fluocino*
S15.	synalar or metosyn or fluocortolone or ultralanum or flurandrenolone or fludroxycortide or haelan or fluticasone or cutivate or halci* or mometasone or elocon
S16.	triamcinolone or *cort or *cortyl
S17.	S1 or S2 or S3 or S4 or S5 or S6 or S7 or S8 or S9 or S10 or S11 or S12 or S13 or S14 or S15 or S16

Cochrane search terms

#1.	MeSH descriptor coal tar, this term only
#2.	"coal tar"
#3.	"carbo dome"
#4.	(pragmatar or psorigel or balneum or polytar)
#5.	(alphosyl)
#6.	(clinitar or exorex or gelcosal or gelcotar)
#7.	(psoriderm or tarcortin or cocois)
#8.	"t gel"
#9.	(capasal or ceanel or clinitar or ionil)
#10.	(meted or pentrax)
#11.	betesil or clarelux or etrivex or xamiol or pinetarsol or sebco or emollient*
#12.	(#1 or #2 or #3 or #4 or #5 or #6 or #7 or #8 or #9 or #10 or #11)
#13.	MeSH descriptor anthralin, this term only
#14.	(dithranol or dithrocream or micanol or psorin)
#15.	(vitamin next d next analog*)
#16.	(vitamin next d next derivative*)
#17.	(calcipotriol or calcipotriene or dovonex or dovobet)
#18.	(tacalcitol or curatoderm or tazarotene or zorac)
#19.	MeSH descriptor calcitriol explode all trees
#20.	(silkis or maxacalcitol)
#21.	(#13 or #14 or #15 or #16 or #17 or #18 or #19 or #20)
#22.	MeSH descriptor tacrolimus, this term only
#23.	(tacrolimus or pimecrolimus or elidel or protopic)
#24.	(topical next retinoid*)
#25.	(topical next macrolactam*)
#26.	(topical next immunosuppressant*)
#27.	MeSH descriptor adrenal cortex hormones explode all trees
#28.	MeSH descriptor budesonide explode all trees

#29.	budesonide
#30.	(corticosteroid* or (cortico next steroid*))
#31.	MeSH descriptor hydrocortisone explode all trees
#32.	(hydrocortisone or cobadex or dioderm or efcortelan or hydrocortisyl or mildison or alphaderm or calmurid)
#33.	(#22 or #23 or #24 or #25 or #26 or #27 or #28 or #29 or #30 or #31 or #32)
#34.	hydrocortisone butyrate
#35.	alclometasone dipropionate
#36.	(modrasone or locoid or propaderm)
#37.	MeSH descriptor beclomethasone, this term only
#38.	beclomethasone dipropionate
#39.	MeSH descriptor betamethasone explode all trees
#40.	betamethasone esters
#41.	(betamethasone or betacap or betnovate or diprosone)
#42.	(diprosalic or bettamousse)
#43.	clobetasol propionate
#44.	(#34 or #35 or #36 or #37 or #38 or #39 or #40 or #41 or #42 or #43)
#45.	clobetasone butyrate
#46.	(eumovate or trimovate or dermovate)
#47.	MeSH descriptor desoximetasone, this term only
#48.	(desoxymethasone or desoximetasone or stiedex)
#49.	MeSH descriptor diflucortolone, this term only
#50.	diflucortolone valerate
#51.	MeSH descriptor fluocinolone acetonide explode all trees
#52.	fluocinolone acetonide
#53.	(synalar or fluocinonide or metosyn or nerisone or elocon)
#54.	MeSH descriptor fluocortolone explode all trees
#55.	(fluocortolone or ultralanum or flurandrenolone or haelan)
#56.	(#45 or #46 or #47 or #48 or #49 or #50 or #51 or #52 or #53 or #54 or #55)
#57.	MeSH descriptor flurandrenolone, this term only
#58.	fludroxycortide
#59.	fluticasone propionate
#60.	(cutivate or halcinonide or halciderm)
#61.	MeSH descriptor halcinonide, this term only
#62.	mometasone furoate
#63.	triamcinolone
#64.	MeSH descriptor triamcinolone explode all trees
#65.	triamcinolone acetonide
#66.	MeSH descriptor triamcinolone acetonide, this term only
#67.	(adcortyl or aureocort or nystadermal or triadcortyl)
#68.	(#57 or #58 or #59 or #60 or #61 or #62 or #63 or #64 or #65 or #66 or #67)
#69.	(#12 or #21 or #33 or #44 or #56 or #68)

D.3.7 Phototherapy

Q. In people with psoriasis (all types), what are the clinical effectiveness, safety, tolerability and cost effectiveness of BBUVB, NBUVB and PUVA compared with each other or placebo / no treatment?

Search constructed by combining the columns in the following table using the and Boolean operator

Population	Intervention	Comparison	Study filter used	Date parameters
Psoriasis	Phototherapy		RCTs and SRs [Medline and Embase only]	All years – 08/03/2012

Medline search terms

1.	exp phototherapy/
2.	exp photochemotherapy/
3.	photochemotherap*.ti,ab.
4.	phototherap*.ti,ab.
5.	exp ultraviolet rays/
6.	exp ultraviolet therapy/
7.	ultra?violet*.ti,ab.
8.	ultra violet*.ti,ab.
9.	(UV or UVB or UVA).ti,ab.
10.	PUVA*.ti,ab.
11.	psoralen*.ti,ab.
12.	exp laser, excimer/
13.	(excimer adj3 laser*).ti,ab.
14.	heliotherap*.ti,ab.
15.	sunbed*.ti,ab.
16.	sun bed*.ti,ab.
17.	or/1-16

Embase search terms

1.	exp phototherapy/
2.	exp photochemotherapy/
3.	photochemotherap*.ti,ab.
4.	phototherap*.ti,ab.
5.	exp ultraviolet radiation/
6.	ultra?violet*.ti,ab.
7.	(UV or UVB or UVA).ti,ab.
8.	PUVA*.ti,ab.
9.	psoralen*.ti,ab.
10.	exp excimer laser/
11.	(excimer adj3 laser*).ti,ab.
12.	heliotherap*.ti,ab.
13.	sunbed*.ti,ab.
14.	sun bed*.ti,ab.
15.	ultra violet*.ti,ab.
16.	or/1-15

Cinahl search terms

S1.	(MH "phototherapy+")
S2.	(MH "photochemotherapy+")
S3.	photochemotherap* or phototherap*
S4.	(MH "ultraviolet rays")
S5.	(MH "ultraviolet therapy")
S6.	(MH "puva therapy+")
S7.	ultraviolet* or ultra violet*
S8.	UV or UVB or UVA
S9.	PUVA* or psoralen*
S10.	(MH "laser therapy+")
S11.	excimer n3 laser*
S12.	heliotherap* or sunbed* or sun bed*
S13.	S1 or S2 or S3 or S4 or S5 or S6 or S7 or S8 or S9 or S10 or S11 or S12

Cochrane search terms

#1	MeSH descriptor phototherapy explode all trees
#2	MeSH descriptor photochemotherapy explode all trees
#3	MeSH descriptor ultraviolet rays explode all trees
#4	MeSH descriptor ultraviolet therapy explode all trees
#5	photochemotherap*:ti,ab
#6	phototherap*:ti,ab
#7	(ultra violet* or ultraviolet*):ti,ab
#8	(UV or UVB or UVA):ti,ab
#9	PUVA*:ti,ab
#10	psoralen*:ti,ab
#11	MeSH descriptor lasers, excimer explode all trees
#12	(excimer near/3 laser*):ti,ab
#13	heliotherap*:ti,ab
#14	sunbed*:ti,ab
#15	sun bed*:ti,ab
#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 or #14 or #15)

D.3.8 Phototherapy combined with acitretin

Q. In people with psoriasis (all types), what are the clinical effectiveness, safety, tolerability and cost effectiveness of acitretin plus UVB (NBUVB and BBUVB) and acitretin plus PUVA compared with their monotherapies and compared with each other?

Search constructed by combining the columns in the following table using the and Boolean operator

Population	Intervention	Comparison	Study filter used	Date parameters
Psoriasis	Phototherapy	Acitretin		All years – 08/03/2012

Medline search terms

1.	exp phototherapy/
2.	exp photochemotherapy/
3.	photochemotherap*.ti,ab.

4.	phototherap*.ti,ab.
5.	exp ultraviolet rays/
6.	exp ultraviolet therapy/
7.	ultraviolet*.ti,ab.
8.	(UV or UVA).ti,ab.
9.	ultra violet*.ti,ab.
10.	PUVA*.ti,ab.
11.	psoralen*.ti,ab.
12.	exp laser, excimer/
13.	(excimer adj3 laser*).ti,ab.
14.	heliotherap*.ti,ab.
15.	sunbed*.ti,ab.
16.	sun bed*.ti,ab.
17.	or/1-16
18.	acitretin/
19.	(acitretin* or isoacitretin* or soriatan* or soriatane ck or etretin* or neotigason* or tigason*).ti,ab.
20.	18 or 19
21.	17 and 20

Embase search terms

1.	exp phototherapy/
2.	exp photochemotherapy/
3.	photochemotherap*.ti,ab.
4.	phototherap*.ti,ab.
5.	exp ultraviolet radiation/
6.	ultra?violet*.ti,ab.
7.	ultra violet*.ti,ab.
8.	(UV or UVA).ti,ab.
9.	PUVA*.ti,ab.
10.	psoralen*.ti,ab.
11.	exp excimer laser/
12.	(excimer adj3 laser*).ti,ab.
13.	heliotherap*.ti,ab.
14.	sunbed*.ti,ab.
15.	sun bed*.ti,ab.
16.	or/1-15
17.	etretin/
18.	(acitretin* or isoacitretin* or soriatan* or soriatane ck or etretin* or neotigason* or tigason*).ti,ab.
19.	17 or 18
20.	16 and 19

Cinahl search terms

S1	(MH "phototherapy+")
S2	(MH "photochemotherapy+")

S3	photochemotherap* or phototherap*
S4	(MH "ultraviolet rays")
S5	(MH "ultraviolet therapy")
S6	(MH "PUVA therapy+")
S7	ultraviolet* or ultra violet*
S8	UV or UVA
S9	puva* or psoralen*
S10	(MH "laser therapy+")
S11	excimer n3 laser*
S12	heliotherap* or sunbed* or sun bed*
S13	S1 or S2 or S3 or S4 or S5 or S6 or S7 or S8 or S9 or S10 or S11 or S12
S14	acitretin* or isoacitretin* or soriatan* or soriatane CK or etretin* or neotigason* or tigason*
S15	S13 and S14

Cochrane search terms

#1	MeSH descriptor phototherapy explode all trees
#2	MeSH descriptor photochemotherapy explode all trees
#3	MeSH descriptor ultraviolet Rays explode all trees
#4	MeSH descriptor ultraviolet Therapy explode all trees
#5	photochemotherap*:ti,ab
#6	phototherap*:ti,ab
#7	(ultra violet* or ultraviolet*):ti,ab
#8	(UV or UVA):ti,ab
#9	puva*:ti,ab
#10	psoralen*:ti,ab
#11	MeSH descriptor lasers, excimer explode all trees
#12	(excimer near/3 laser*):ti,ab
#13	heliotherap*:ti,ab
#14	sunbed*:ti,ab
#15	sun bed*:ti,ab
#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 or #14 or #15)
#17	MeSH descriptor acitretin explode all trees
#18	(acitretin* or isoacitretin* or soriatan* or soriatane CK or etretin* or neotigason* or tigason*):ti,ab
#19	(#17 or #18)
#20	(#16 and #19)

D.3.9 Topicals combined with UVB

Q. In people with psoriasis (all types), what are the clinical effectiveness, safety, tolerability and cost effectiveness of UVB (NBUVB and BBUVB) combined with dithranol, coal tar or vitamin D or vitamin D analogues compared with UVB alone or topical therapy alone?

Search constructed by combining the columns in the following table using the and Boolean operator

Population	Intervention	Comparison	Study filter used	Date parameters
Psoriasis	Ultra-violet therapy	Topical therapy		All years – 08/03/2012

Medline search terms

1.	exp ultraviolet therapy/ or exp ultraviolet rays/
2.	(nbUVB or UVB or UV-B or "UV B").ti,ab.
3.	(("narrow band" or narrowband) and (uvb or ultraviolet*)).ti,ab.
4.	(TL01 or "TL 01" or TL-01 or TLO1).ti,ab.
5.	ultra violet*.ti,ab.
6.	or/1-5
7.	exp coal tar/
8.	(coal tar or psoriderm or alphosyl or capasal).ti,ab.
9.	(carbo-dome or exorex or cocois or sebco or pinetarsol).ti,ab.
10.	(gelcosar or gelcotar or pragmatar or polytar or tarcortin or capasal or ionil or pentrax).ti,ab.
11.	(T adj gel).ti,ab.
12.	'carbo dome'.ti,ab.
13.	T?gel.ti,ab.
14.	exp anthralin/
15.	(dithranol or dithrocream or micanol or psorin).ti,ab.
16.	exp calcitriol/
17.	(vitamin adj d adj2 analog*).ti,ab.
18.	(vitamin adj d adj2 derivative*).ti,ab.
19.	(calcipotriol or calcipotriene or dovonex or dovobet or xamiol or calcitriolor or rocaltrol or silkis or maxacalcitriol or tacalcitriol or curatoderm).ti,ab.
20.	or/7-19
21.	6 and 20

Embase search terms

1.	exp ultraviolet radiation/
2.	(nbUVB or UVB or UV-B or "UV B").ti,ab.
3.	(("narrow band" or narrowband) and (uvb or ultraviolet*)).ti,ab.
4.	(TL01 or "TL 01" or TL-01 or TLO1).ti,ab.
5.	ultra violet*.ti,ab.
6.	or/1-5
7.	exp coal tar/
8.	(coal tar or psoriderm or alphosyl or capasal or carbo-dome or 'carbo dome' or exorex or cocois or sebco or pinetarsol or gelcosar or gelcotar or pragmatar or polytar or tarcortin or capasal or ionil or pentrax).ti,ab.
9.	(T adj gel).ti,ab.
10.	T?gel.ti,ab.
11.	exp anthralin/
12.	exp dithranol derivative/ or exp dithranol/
13.	exp psorin/
14.	(dithranol or dithrocream or micanol or psorin).ti,ab.
15.	exp calcitriol/
16.	exp calcipotriol/ or exp betamethasone dipropionate plus calcipotriol/
17.	exp tacalcitol/
18.	(vitamin adj d adj2 analog*).ti,ab.
19.	(vitamin adj d adj2 derivative*).ti,ab.

20.	(calcipotriol or calcipotriene or dovonex or dovobet or xamiol or calcitriolor or rocaltrol or silkis or maxacalcitriol or tacalcitriol or curatoderm).ti,ab.
21.	or/7-20
22.	6 and 21

Cinahl search terms

S1	(MH "ultraviolet rays") OR (MH "ultraviolet therapy")
S2	NBUVB or UVB or UV-B or UV n1 B
S3	narrow band or narrow band
S4	uvb or ultraviolet* or ultra violet*
S5	S1 or S2 or S3 or S4
S6	coal tar* or psoriderm or alphosyl or capasal or exorex or cocois or sebco or pinetarsol or gelcosar or gelcotar or pragmatar or tarcotin
S7	ionil or pentrax or carbo-dome or carbo dome or t n1 gel
S8	anthralin or dithra* or micanol or psorin
S9	(MH "calcitriol")
S10	(MH "vitamin D+")
S11	calcipotriol or calcipotriene or dovonex or dovobet or xamiol or calcitriol or rocaltrol or silkis or maxacalcitriol or tacalcitriol or curatoderm
S12	S6 or S7 or S8 or S9 or S10 or S11
S13	vitamin n1 d
S14	analog* or derivative*
S15	S13 or S14
S16	S12 and S15
S17	S5 and S16

Cochrane search terms

#1	MeSH descriptor ultraviolet rays explode all trees
#2	MeSH descriptor ultraviolet therapy explode all trees
#3	NBUVB or UVB or UV-B:ti,ab
#4	UV near B:ti,ab
#5	((narrow band or narrowband) and (uvb or ultraviolet*)):ti,ab
#6	TL01 or TLO1:ti,ab
#7	Tl-01:ti,ab
#8	TL near 01:ti,ab
#9	ultra violet*:ti,ab
#10	(#1 or #2 or #3 or #4 or #5 or #6 or #7 or #8 or #9)
#11	MeSH descriptor coal tar explode all trees
#12	coal tar* or psoriderm or alphosyl or capasal or exorex or cocois or sebco or pinetarsol or gelcosar or gelcotar or pragmatar or polytar or tarcortin or ionil or pentrax:ti,ab.
#13	(T near gel*) or T?Gel:ti.ab
#14	carbo-dome or carbo dome:ti,ab
#15	MeSH descriptor anthralin explode all trees
#16	dithr* or micanol or psorin:ti,ab.
#17	MeSH descriptor xalcitriol explode all trees
#18	MeSH descriptor vitamin D explode all trees
#19	vitamin near d near/2 analog*:ti,ab

#20	vitamin near d near/2 derivative*:ti,ab
#21	calcipotriol or calcipotriene or dovonex or dovobet or xamiol or calcitriol or rocaltrol or silkis or maxacalcitriol or tacalcitriol or curatoderm:ti,ab
#22	(#11 or #12 or #13 or #14 or #15 or #16 or #17 or #18 or #19 or #20 or #21)
#23	(#10 and #22)

D.3.10 Systemic non-biological therapy

Q. In people with psoriasis (all types), what are the clinical effectiveness, safety, tolerability and cost effectiveness of systemic methotrexate, ciclosporin and acitretin compared with each othr or with placebo?

Search constructed by combining the columns in the following table using the and Boolean operator

Population	Intervention	Comparison	Study filter used	Date parameters
Psoriasis	Systemic therapy		RCTs, SRs, Observational studies and Diagnostic accuracy [Medline and Embase only]	All years – 08/03/2012

Medline search terms

1.	methotrexate/
2.	methotrexate.ti,ab.
3.	(cyclosporin or ciclosporin or cyclosporine or ciclosporine or deximune or neoral or sandimmun or sandimmune or restasis or cicloral).ti,ab.
4.	cyclosporine/
5.	acitretin/
6.	(acitretin* or isoacitretin* or soriatan* or soriatane ck or etretin* or neotigason* or tigason*).ti,ab.
7.	or/1-6

Embase search terms

1.	methotrexate/
2.	methotrexate.ti,ab.
3.	(cyclosporin or ciclosporin or cyclosporine or ciclosporine or deximune or neoral or sandimmun or sandimmune or restasis or cicloral).ti,ab.
4.	cyclosporin/ or cyclosporin a/
5.	etretin/
6.	(acitretin* or isoacitretin* or soriatan* or soriatane ck or etretin* or neotigason* or tigason*).ti,ab.
7.	or/1-6

Cinahl search terms

S1	acitretin* or isoacitretin* or soriatan* or soriatane ck or etretin* or neotigason* or tigason*
S2	methotrexate
S3	cyclosporin or ciclosporin or cyclosporine or ciclosporine or deximune or neoral or sandimmun or sandimmune or restasis or cicloral
S4	S1 or S2 or S3

Cochrane search terms

#1	MeSH descriptor acitretin explode all trees
#2	(acitretin* or isoacitretin* or soriatan* or soriatane ck or etretin* or neotigason* or

	tigason*):ti,ab
#3	methotrexate:ti,ab,kw
#4	(cyclosporin or ciclosporin or cyclosporine or ciclosporine or deximune or neoral or sandimmun or sandimmune or restasis or cicloral):ti,ab,kw
#5	MeSH descriptor cyclosporine explode all trees
#6	(#1 or #2 or #3 or #4 or #5)

D.3.11 Methotrexate and risk of hepatotoxicity

Q. In people with psoriasis (all types) who are being treated with methotrexate, are there specific groups who are at high risk of hepatotoxicity?

Search constructed by combining the columns in the following table using the and Boolean operator

Population	Intervention	Comparison	Study filter used	Date parameters
Psoriasis	Methotrexate	Risk factors		All years – 08/03/2012

Medline and Embase search terms

1.	methotrexate/
2.	methotrexate.ti,ab.
3.	or/1-2
4.	(adverse* adj2 (effect* or reaction* or event*)).ti,ab,hw.
5.	side effect*.ti,ab,hw.
6.	toxic*.ti,ab,hw.
7.	(drug* adj2 safe*).ti,ab,hw.
8.	(complication* or tolerability).ti,ab,hw.
9.	(ae or to).fs.
10.	or/4-9
11.	exp risk/
12.	exp causality/
13.	et.fs.
14.	(risk$ adj2 (factor$ or assessment$)).ti,ab,hw.
15.	(logistic$ adj model$).ti,ab,hw.
16.	or/11-15
17.	(cirrhosis or fibrosis).ti,ab.
18.	(liver adj3 disease*).ti,ab.
19.	or/17-18
20.	3 and (10 or 16 or 19)

Cinahl search terms

S1.	methotrexate
S2.	cirrhosis or fibrosis
S3.	liver n3 disease*
S4.	S2 or S3
S5.	S1 and S4

Cochrane search terms

#1.	methotrexate:ti,ab,kw
#2.	cirrhosis or fibrosis:ti

#3.	liver near/3 disease*:ti
#4.	(#2 or #3)
#5.	(#1 and #4)

D.3.12 Methotrexate and monitoring of hepatotoxicity

Q. In people with psoriasis (all types) who are being treated with methotrexate or who are about to begin treatment with methotrexate, what is the optimum non-invasive method of monitoring hepatotoxicity (fibrosis or cirrhosis) compared with liver biopsy?

Search constructed by combining the columns in the following table using the and Boolean operator

Population	Intervention	Comparison	Study filter used	Date parameters
Psoriasis	Methotrexate	Hepatotoxicity		All years – 08/03/2012

Medline and Embase search terms

1.	methotrexate/
2.	methotrexate.ti,ab.
3.	or/1-2
4.	(liver or hepat* or fibrosis or cirrho*).ti,ab.
5.	3 and 4

Cinahl search terms

S1.	methotrexate
S2.	liver or hepat* or fibrosis or cirrho*
S3.	S1 and S2

Cochrane search terms

#1.	methotrexate:ti,ab,kw
#2.	(liver or hepat* or fibrosis or cirrho*):ti,ab
#3.	(#1 and #2)

D.3.13 Sequencing of biological therapy

Q. In people with chronic plaque psoriasis eligible to receive biological therapy, if the first biological agent fails, which is the next effective, safe and cost effective strategy?

Search constructed by combining the columns in the following table using the and Boolean operator

Population	Intervention	Comparison	Study filter used	Date parameters
Psoriasis	Biological therapy		RCTs, SRs, Observational studies and Diagnostic accuracy [Medline and Embase only]	All years – 08/03/2012

Medline search terms

1.	(etanercept or infliximab or adalimumab or ustekinumab).ti,ab,kw.
2.	exp biological therapy/
3.	(biological adj3 therap*).ti,ab.
4.	(embrel or remicade or humira or stelara).ti,ab.
5.	antibodies, monoclonal/
6.	interleukins/ or exp interleukin-12/ or exp interleukin-23/

7.	exp receptors, tumor necrosis factor/
8.	(biologic* adj3 drug*).ti,ab.
9.	(TNF adj1 (antagonis* or inhibit*)).ti,ab.
10.	'T cell helper'.ti,ab.
11.	anti-TNF.ti,ab.
12.	or/1-11

Embase search terms

1.	exp etanercept/
2.	exp infliximab/
3.	exp adalimumab/
4.	exp ustekinumab/
5.	(etanercept or infliximab or adalimumab or ustekinumab).ti,ab,kw.
6.	(embrel or remicade or humira or stelara).ti,ab.
7.	exp biological therapy/
8.	(biologic* adj3 (therap* or drug*)).ti,ab.
9.	exp monoclonal antibody/
10.	exp tumor necrosis factor receptor/
11.	exp interleukin 12/
12.	interleukin 23/
13.	(TNF adj1 (antagonis* or inhibit*)).ti,ab.
14.	't cell helper'.ti,ab.
15.	anti-TNF.ti,ab.
16.	or/1-15

Cinahl search terms

S1.	(MH "biological therapy+")
S2.	(MH "antibodies, monoclonal+")
S3.	(MH "interleukins+")
S4.	(MH "tumor necrosis factor")
S5.	etanercept or infliximab or adalimumab or ustekinumab
S6.	embrel or remicade or humira or stelara
S7.	biologic* n3 drug* or biologic* n3 therap*
S8.	TNF n1 antagonis* or TNF n1 inhibit* or anti-TNF
S9.	S1 or S2 or S3 or S4 or S5 or S7 or S8

Cochrane search terms

#1.	MeSH descriptor biological therapy, this term only
#2.	MeSH descriptor antibodies, monoclonal explode all trees
#3.	MeSH descriptor interleukin-12 explode all trees
#4.	MeSH descriptor interleukin-23 explode all trees
#5.	MeSH descriptor receptors, tumor necrosis factor explode all trees
#6.	etanercept or infliximab or adalimumab or ustekinumab:ti,ab,kw
#7.	embrel or remicade or humira or stelara:ti,ab
#8.	embrel or remicade or humira or stelara:ti,ab
#9.	biologic* near/3 drug*:ti,ab
#10.	biologic* near/3 therap*:ti,ab.

#11.	(TNF near/1 (antagonis* or inhibit*)):ti,ab
#12.	anti-TNF:ti,ab
#13.	(#1 or #2 or #3 or #4 or #5 or #6 or #7 or #8 or #9 or #10 or #11 or #12)

D.3.14 Cognitive behavioural therapy

Q. In people with psoriasis (all types), how effective are cognitive behavioural therapy (group and individual) interventions alone or as an adjunct to standard care compared with standard care alone for managing psychological aspects of the disease in reducing distress and improving quality of life?

Search constructed by combining the columns in the following table using the and Boolean operator

Population	Intervention	Comparison	Study filter used	Date parameters
Psoriasis	Cognitive behavioural therapy		RCTs, SRs, Observational studies and Diagnostic accuracy [Medline and Embase only]	All years – 08/03/2012

Medline and Embase search terms

1.	behavior therapy/
2.	cognitive therapy/
3.	psychotherapy/
4.	(psycho* adj3 therap*).tw.
5.	psychotherap*.tw.
6.	psychoeducation.tw.
7.	CBT.tw.
8.	((cognit$ or behavio?r$ or metacognit$) adj5 (analy$ or interven$ or modif$ or program$ or psychoanaly$ or psychotherap$ or restructur$ or retrain$ or technique$ or therap$ or train$ or treat$)).tw.
9.	counsel*.mp.
10.	or/1-9

Cinahl search terms

S1.	(MH "behavior therapy") OR (MH "cognitive therapy") OR (MH "psychotherapy")
S2.	psycho* n3 therap*
S3.	psychotherap*
S4.	psychoeducation
S5.	CBT
S6.	(cognit* or behavior* or behaviour* or metacognit*) and (analy* or interven* or modif* or program* or psychoanaly* or psychotherap* or restructur* or retrain* or technique* or therap* or train* or treat*)
S7.	counsel*
S8.	S1 or S2 or S3 or S4 or S5 or S6 or S7

Cochrane search terms

#1.	MeSH descriptor behavior therapy explode all trees
#2.	MeSH descriptor cognitive therapy, this term only
#3.	MeSH descriptor psychotherapy explode all trees
#4.	(psycho* near3 therap*):ti,ab
#5.	psychotherap*:ti,ab

#6.	psychoeducation:ti,ab
#7.	CBT:ti,ab
#8.	(cognit* near5 (analy* or interven* or modif* or program* or psychoanaly* or psychotherap* or restructur* or retrain* or technique* or therap* or train* or treat*)):ti,ab
#9.	(behavior* near5 (analy* or interven* or modif* or program* or psychoanaly* or psychotherap* or restructur* or retrain* or technique* or therap* or train* or treat*)):ti,ab
#10.	(behaviour* near5 (analy* or interven* or modif* or program* or psychoanaly* or psychotherap* or restructur* or retrain* or technique* or therap* or train* or treat*)):ti,ab
#11.	(metacognit* near5 (analy* or interven* or modif* or program* or psychoanaly* or psychotherap* or restructur* or retrain* or technique* or therap* or train* or treat*)):ti,ab
#12.	counsel*:ti,ab
#13.	(#1 or #2 or #3 or #4 or #5 or #6 or #7 or #8 or #9 or #10 or #11 or #12)

PsycInfo search terms

1.	cognitive therapy/ or cognitive techniques/ or behavior modification/ or cognitive behavior therapy/ or cognitive restructuring/ or psychotherapy/ or rational emotive behavior therapy/ or self instructional training/ or self management/
2.	behavior therapy/ or behavior modification/ or psychotherapy/
3.	(psycho* adj3 therap*).tw.
4.	psychotherap*.tw.
5.	psychoeducation.tw.
6.	CBT.tw.
7.	((cognit$ or behavio?r$ or metacognit$) adj5 (analy$ or interven$ or modif$ or program$ or psychoanaly$ or psychotherap$ or restructur$ or retrain$ or technique$ or therap$ or train$ or treat$)).tw.
8.	counsel*.mp.
9.	or/1-8

D.3.15 Self-management

Q. What strategies can best support people with psoriasis (all types) to self-manage the condition effectively?

Search constructed by combining the columns in the following table using the and Boolean operator

Population	Intervention	Comparison	Study filter used	Date parameters
Psoriasis	Patient information		RCTs, SRs, Observational studies and Diagnostic accuracy [Medline and Embase only]	All years – 08/03/2012

Medline search terms

1.	((self or home) adj2 (care or manag*)).ti,ab.
2.	((patient* or health) adj2 (information* or educat* or knowledge)).ti,ab.
3.	(patient* adj3 (literature or leaflet* or booklet* or pamphlet* or questionnaire* or survey* or handout* or internet or website*)).ti,ab.
4.	(information* adj (need* or requirement* or support* or seek* or access* or disseminat*)).ti,ab.
5.	((adherence or concordance or compliance) adj3 (drug* or treatment* or medication*)).ti,ab.
6.	exp self care/
7.	patient education as topic/

8.	exp "patient acceptance of health care"/
9.	access to information/
10.	home care services/
11.	community health services/
12.	health services accessibility/
13.	patient-centered care/
14.	"continuity of patient care"/
15.	exp consumer health information/
16.	health care surveys/
17.	focus groups/
18.	pamphlets/
19.	telemedicine/
20.	or/1-19

Embase search terms

1.	((home or self) adj2 (care or manag*)).ti,ab.
2.	((patient* or health) adj2 (information* or educat* or knowledge)).ti,ab.
3.	(patient* adj3 (literature or leaflet* or booklet* or pamphlet* or questionnaire* or survey* or handout* or internet or website*)).ti,ab.
4.	(information* adj (need* or requirement* or support* or seek* or access* or disseminat*)).ti,ab.
5.	((adherence or concordance or compliance) adj3 (drug* or treatment* or medication*)).ti,ab.
6.	exp self care/
7.	patient education/
8.	exp patient attitude/
9.	patient information/
10.	patient decision making/
11.	access to information/
12.	home care/
13.	health care survey/
14.	health care access/
15.	access to information/
16.	exp telehealth/
17.	*patient care/
18.	or/1-17

Cinahl search terms

S1.	self n2 care
S2.	self n2 manag*
S3.	home n2 care
S4.	home n2 manag*
S5.	patient* n2 information*
S6.	patient* n2 educat*
S7.	patient* n2 knowledge
S8.	health n2 information*
S9.	health n2 educat*

S10.	health n2 knowledge
S11.	information* need*
S12.	information* support*
S13.	information* seek*
S14.	information* access*
S15.	information* disseminat*
S16.	nurs*
S17.	patient n3 literature
S18.	patient* n3 leaflet*
S19.	patient* n3 booklet*
S20.	patient* n3 pamphlet*
S21.	patient* n3 questionnaire*
S22.	patient n3 survey*
S23.	patient n3 handout*
S24.	patient n3 internet
S25.	patient n3 website*
S26.	drug* n3 adherence
S27.	drug* n3 concordance
S28.	drug* n3 compliance
S29.	treatment* n3 adherence
S30.	drug* n3 concordance
S31.	drug* n3 compliance
S32.	medication* n3 adherence
S33.	drug* n3 concordance
S34.	drug* n3 compliance
S35.	S1 or S2 or S3 or S4 or S5 or S6 or 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 or S24 or S25 or S26 or S27 or S28 or S29 or S30 or S32 or S33 or S34

Cochrane search terms

#1.	((self or home) near/2 (care or manag*)):ti,ab
#2.	((patient* or health) near/2 (information* or educat* or knowledge)):ti,ab
#3.	(patient* near/2 (literature or leaflet* or booklet* or pamphlet* or questionnaire* or survey* or handout* or internet or website*)):ti,ab
#4.	(information* next (need* or requirement* or support* or seek* or access* or disseminat*)):ti,ab
#5.	((adherence or concordance or compliance) near/3 (drug* or treatment* or medication*)):ti,ab
#6.	MeSH descriptor self care explode all trees
#7.	MeSH descriptor patient education as topic, this term only
#8.	MeSH descriptor patient acceptance of health care explode all trees
#9.	MeSH descriptor access to information, this term only
#10.	MeSH descriptor home care services, this term only
#11.	MeSH descriptor community health services, this term only
#12.	MeSH descriptor health services accessibility, this term only
#13.	MeSH descriptor patient-centered care, this term only
#14.	MeSH descriptor continuity of patient care, this term only

#15.	MeSH descriptor consumer health information explode all trees
#16.	MeSH descriptor health care surveys, this term only
#17.	MeSH descriptor focus groups, this term only
#18.	MeSH descriptor pamphlets, this term only
#19.	MeSH descriptor telemedicine, this term only
#20.	(#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 or #14 or #15 or #16 or #17 or #18 or #19)

PsycInfo search terms

1.	((self or home) adj2 (care or manag*)).ti,ab.
2.	(patient* adj3 (literature or leaflet* or booklet* or pamphlet* or questionnaire* or survey* or handout* or internet or website*)).ti,ab.
3.	(information* adj (need* or requirement* or support* or seek* or access* or disseminat*)).ti,ab.
4.	((adherence or concordance or compliance) adj3 (drug* or treatment* or medication*)).ti,ab.
5.	or/2-5
6.	client education/
7.	treatment compliance/
8.	exp client attitudes/
9.	information seeking/
10.	home care/
11.	exp "continuum of care"/
12.	or/1-11

D.4 Economic searches

D.4.1 Economic evaluations

Economic searches were run in Medline and Embase by combining the standard population with the economic filter and limiting by date range (see table below). Economic searches were executed in the HEED and Centre for Reviews and Dissemination (CRD) (NHS EED and HTA) databases by simply running a standard population without a date limitation. Search terms for the HEED and CRD databases are given below.

Search constructed by combining the columns in the following table using the and Boolean operator

Population	Study filter used	Date parameters
Psoriasis	Economic [only Embase and Medline]	• 2008- 08/03/2012 (Medline and Embase) • All years -08/03/2012 (NHS EED, HTA and HEED)

HEED search terms

1.	AX = psoria*

CRD search terms

1.	psoria*

D.4.2 Quality of life studies

Quality of life (QOL) searches were run in Medline and Embase by combining the standard population with the QOL filter (A.1.5) without a date limitation.

Search constructed by combining the columns in the following table using the AND Boolean operator

Population	Study filter used	Date parameters
Psoriasis	QOL [only Embase and Medline]	All years -08/03/2012