SEARCH STRATEGIES FOR THE IDENTIFICATION OF HEALTH ECONOMIC EVIDENCE

Scoping searches

A broad preliminary search of the literature was undertaken in August 2011 to obtain an overview of the issues likely to be covered by the scope, and to help define key areas. Searches were limited to full and partial economic evaluations, and quality of life studies.

- NHS Economic Evaluation Database (NHS EED) [Cochrane Library]
- Excerpta Medica Database (Embase)
- HTA database (technology assessments)
- Medical Literature Analysis and Retrieval System Online (MEDLINE/MEDLINE In-Process)

Further information about this process can be found in The Guidelines Manual (NICE, 2012).

Systematic search

Each search was constructed using the groups of terms set out in Text Box 1. The full set of search terms is documented in sections 1 to 3.1. The selection of search terms was kept broad to maximise retrieval of evidence in a wide range of areas of interest to the GDG.

Text Box 1: Summary of systematic search strategies: Search strategy construction

Summary of systematic search strategies for clinical evidence					
Section 1, focused searches					
Review area/s	**Search type**	**Search construction**	**Study design searched**	**Databases searched**	**Date range searched**
Case identification and assessment	Focused search	General medical databases: [(Population terms version two) AND (((general identification instrument/diagnostic assessment terms) AND (sensitivity/specificity terms)) OR (named instruments)) AND (HE/QoL terms)] Topic specific databases: [(population terms)]	Full and partial economic evaluations, quality of life studies	General medical databases: Embase, Medline, PreMedline, PsycINFO Topic specific databases: HTA, NHS EED	1998 to 20 January 2014
Section 2, generic searches					
Review area/s	**Search type**	**Search construction**	**Study design searched**	**Databases searched**	**Date range searched**

Pharmacological and medical interventions for acute episodes	Generic search	General medical databases: [(population terms version 1) AND (HE/QoL terms)] Topic specific databases: [(population terms)]	Full and partial economic evaluations, quality of life studies	General medical databases: Embase, Medline, PreMedline, PsycINFO Topic specific databases: HTA, NHS EED	2005 to 20 January 2014
Pharmacological and medical interventions for long-term management	Generic search	General medical databases: [(population terms version 1) AND (HE/QoL terms)] Topic specific databases: [(population terms)]	Full and partial economic evaluations, quality of life studies	General medical databases: Embase, Medline, PreMedline, PsycINFO Topic specific databases: HTA, NHS EED	2005 to 20 January 2014
Psychosocial interventions for adults	Generic search	General medical databases: [(population terms version 1) AND (HE/QoL terms)] Topic specific databases: [(population terms)]	Full and partial economic evaluations, quality of life studies	General medical databases: Embase, Medline, PreMedline, PsycINFO Topic specific databases: HTA, NHS EED	2005 to 20 January 2014

| Management of physical health | Generic search | General medical databases: [(population terms version 1) AND (HE/QoL terms)]

Topic specific databases: [(population terms)] | Full and partial economic evaluations, quality of life studies | General medical databases: Embase, Medline, PreMedline, PsycINFO

Topic specific databases: HTA, NHS EED | 2005 to 20 January 2014 |
| --- | --- | --- | --- | --- | --- |
| *Note: evidence resulting from generic searches mapped to all review areas* | | | | | |
| * HTA (Health Technology Assessment database), NHS EED (NHS Economic Evaluation database). | | | | | |

1 Population search terms – all databases

1.1 STEM – General medical databases
Embase, Medline, PreMEDLINE, PsycINFO – OVID SP

Version 1

1	exp bipolar disorder/ or mania/
2	1 use emez
3	exp bipolar disorder/
4	3 use mesz, prem
5	exp bipolar disorder/ or exp mania/
6	5 use psyh
7	((bi?polar adj5 (disorder$ or depress$)) or ((cyclothymi$ or rapid or ultradian) adj5 cycl$) or hypomani$ or mania$ or manic$ or mixed episode$ or rcbd).ti,ab.
8	or/2,4,6-7

Version 2

1	exp bipolar disorder/ or mania/ or mood disorder/
2	1 use emez
3	exp bipolar disorder/ or mood disorders/
4	3 use mesz, prem
5	affective disorders/ or exp bipolar disorder/ or exp mania/
6	5 use psyh
7	(bi?polar or ((cyclothymi$ or rapid or ultradian) adj5 cycl$) or hypomani$ or mania$ or manic$ or mixed episode$ or rcbd).ti,ab,tm.
8	((affective$ or mood) adj (disorder$ or disturbance$ or dysfunction$ or illness$ or swing$)).ti,ab.tm.
9	or/2,4,6-8

1.2 STEM - topic specific databases
HTA, CDSR, DARE, CENTRAL – Wiley

Version one

#1 mesh descriptor **bipolar disorder** explode all trees

(((bipolar or "bi polar") near/5 (disorder* or depress*)) or
#2 ((cyclothymi* or rapid or ultradian) near/5 cycl*) or
hypomani* or mania* or manic* or "mixed episode*" or

rcbd):ti,ab,kw

#3 (#1 or #2)

Version two

#1 mesh descriptor **bipolar disorder** explode all trees

#2 mesh descriptor **mood disorders** this tree only

#3 (((bipolar or "bi polar") near/5 (disorder* or depress*)) or ((cyclothymi* or rapid or ultradian) near/5 cycl*) or hypomani* or mania* or manic* or "mixed episode*" or rcbd):ti,ab,kw

#4 ((affective* or mood) near/1 (disorder* or disturbance* or illness* or swing*)).ti,ab.

#5 (#1 or #2 or #3 or #4)

2. Question specific search strategies - all databases

2.1 Case identification and assessment

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Review questions:

RQ: For adults at risk of or suspected as having bipolar disorder, what identification instruments when compared to a gold standard diagnosis (based on DSM or ICD criteria) have adequate clinical utility (i.e. clinically useful with good sensitivity and specificity) and reliability?

RQ: For children (less than 13 years) and young people (13 to 18 years)at risk of or suspected of having bipolar disorder, what identification instruments when compared to a gold standard diagnosis (based on DSM or ICD criteria) have adequate clinical utility (i.e. clinically useful with good sensitivity and specificity) and reliability?

RQ: For people with possible bipolar disorder, what are the key components of, and the most effective structure for, diagnostic assessment?

What amendments, if any, need to be made for (i) particular cultural or minority ethnic groups, (ii) people of different genders, (iii) children and young people, (iv) older adults?

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2.11 General medical databases
Embase, Medline, PreMEDLINE, PsycINFO – OVID SP

1   checklist/ or clinical assessment tool/ or clinical assessment/ or clinical evaluation/ or exp computer assisted diagnosis/ or exp diagnostic test/

or functional assessment/ or geriatric assessment/ or measurement/ or needs assessment/ or nursing assessment/ or outcome assessment/ or patient assessment/ or predictive value/ or exp psychologic test/ or psychometry/ or rating scale/ or risk assessment/ or scoring system/ or screening test/ or self evaluation/ or semi structured interview/ or "speech and language assessment"/ or structured interview/ or structured questionnaire/ or summated rating scale/

2   1 use emez

3   checklist/ or exp diagnosis, computer-assisted/ or diagnostic tests, routine/ or diagnostic, self evaluation/ or geriatric assessment/ or interview, psychological/ or mass screening/ or needs assessment/ or exp nursing assessment/ or "outcome and process assessment (health care)"/ or "outcome assessment (health care)"/ or exp personality assessment/ or "predictive value of tests"/ or exp psychiatric status rating scales/ or exp psychological tests/ or exp questionnaires/ or risk assessment/

4   3 use mesz, prem

5   attitude measurement/ or exp attitude measures/ or comprehension tests/ or computer assisted diagnosis/ or geriatric assessment/ or group testing/ or individual testing/ or exp inventories/ or measurement/ or needs assessment/ or exp perceptual measures/ or performance tests/ or exp personality measures/ or exp preference measures/ or pretesting/ or professional examinations/ or exp psychiatric evaluation/ or exp psychodiagnostic interview/ or exp psychological assessment/ or psychometrics/ or exp questionnaires/ or exp rating scales/ or exp reading measures/ or exp retention measures/ or risk assessment/ or exp screening tests/ or exp selection tests/ or self evaluation/ or sensorimotor measures/ or sociometric tests/ or "speech and hearing measures"/ or standardized tests/ or subtests/ or symptom checklists/ or exp testing/ or testing methods/ or exp test scores/ or verbal tests/

6   5 use psyh

7   (index or instrument$ or interview$ or inventor$ or item$ or measure$1 or questionnaire$ or rate$ or rating or scale$ or score$ or screen$ or (self adj (assess$ or report$)) or subscale$ or survey$ or test$ or tool$).tw.

8   or/2,4,6-7

9   di.fs. or exp diagnosis/ or exp mass screening/ or screening test/

10   9 use emez

11   di.fs. or exp diagnosis/ or mass screening/ or nursing diagnosis/

12   11 use mesz, prem

13   exp diagnosis/ or exp health screening/ or screening/ or exp screening tests/

14   13 use psyh

15	(assess$ or detect$ or diagnos$ or evaluat$ or identif$ or psychodiagnos$ or recogni$ or screen$).tw.
16	or/10,12,14-15
17	8 and 16
18	(casefind$ or ((case or tool$) adj (find$ or identif$))).tw.
19	or/17-18
20	"area under the curve"/ or predictive validity/ or receiver operating characteristic/ or reliability/ or "sensitivity and specificity"/ or test retest reliability/ or validity/
21	20 use emez
22	"area under curve"/ or "predictive value of tests"/ or "reproducibility of results"/ or roc curve/ or "sensitivity and specificity"/ or validation studies/
23	22 use mesz, prem
24	test reliability/ or test validity/
25	24 use psyh
26	(accurac$ or accurat$ or area under curve or auc value$ or (likelihood adj3 ratio$) or (diagnostic adj2 odds ratio$) or ((pretest or pre test or posttest or post test) adj2 probabilit$) or (predict$ adj3 value$) or receiver operating characteristic or (roc adj2 curv$) or reliabil$ or sensititiv$ or specificit$ or valid$).tw.
27	or/21,23,25-26
28	19 and 27
29	((altman adj (selfrat$ or self rat$) adj mania adj2 scale$) or arsm).tw.
30	(bipolar spectrum diagnostic scale$ or bsds).tw.
31	((bipolarity or bi polarity) adj index).tw.
32	((child mania rating scale) or cmrs).ti,ab,tm.
33	(clinician-administered rating scale for mania or carsm or cars m).tw.
34	((conner$ abbreviated adj3 parent$ adj3 question$) or CAPQ).ti,ab,tm.
35	(hypomania checklist or hcl 32 or hcl32 or hcl32r1).tw.
36	(hypomanic personality adj (questionnaire$ or scale$)).tw.
37	((screening assessment adj2 (depression adj2 polarity)) or sadp or sad p).tw.
38	((parent adj4 young mania rating scale) or pymrs or p ymrs).tw.
39	(composite international diagnostic interview or cidi or cidi1 or cidi2 or cidi3 or cidisc).tw.
40	(general behavio?r inventory or gbi15 or gbi 15 or pgbi or p gbi).tw.
41	life chart.tw.
42	((m3 or m 3) adj (checklist$ or screen$)).tw.
43	(((miniinternational or mini international) adj neuropsychiatric interview) or mini or miniplus).tw.
44	(mood swings questionnaire or msq).tw.
45	(mood disorder questionnaire or mdq).tw.

46	(provisional diagnostic instrument or pdi4 or pdi 4).tw.
47	or/29-46
48	or/28,47

3 Study design filters – all databases

3.1 Health economic and quality of life study design filter
Embase, Medline, PreMEDLINE, PsycINFO – OVID SP

1	budget/ or exp economic evaluation/ or exp fee/ or funding/ or exp health care cost/ or health economics/ or exp pharmacoeconomics/ or resource allocation/
2	1 use emez
3	exp budgets/ or exp "costs and cost analysis"/ or economics/ or exp economics, hospital/ or exp economics, medical/ or economics, nursing/ or economics, pharmaceutical/ or exp "fees and charges"/ or exp resource allocation/ or value of life/
4	3 use mesz, prem
5	exp "costs and cost analysis"/ or "cost containment"/ or economics/ or finance/ or funding/ or health care economics/ or pharmacoeconomics/ or exp professional fees/ or resource allocation/
6	5 use psyh
7	(cost$ or economic$ or pharmacoeconomic$ or pharmaco economic$).ti. or (cost$ adj2 (effective$ or utilit$ or benefit$ or minimi$)).ab. or economic model$.tw. or (budget$ or fee or fees or financ$ or price or prices or pricing or resource$ allocat$ or (value adj2 (monetary or money))).ti,ab.
8	decision theory/ or decision tree/ or monte carlo method/ or *nonbiological model/ or (statistical model/ and exp economic aspect/) or stochastic model/ or *theoretical model/
9	8 use emez
10	exp decision theory/ or markov chains/ or exp models, economic/ or *models, organizational/ or *models, theoretical/ or monte carlo method/
11	10 use mesz, prem
12	exp decision theory/ or exp stochastic modeling/
13	12 use psyh
14	((decision adj (analy$ or model$ or tree$)) or economic model$ or markov or monte carlo).ti,ab.
15	quality adjusted life year/ or "quality of life index"/ or short form 12/ or short form 20/ or short form 36/ or short form 8/ or sickness impact profile/

16 15 use emez

17 quality-adjusted life years/ or sickness impact profile/

18 17 use mesz, prem

19 "*quality of life"/

20 19 use psyh

21 (((disability or quality) adj adjusted) or (adjusted adj2 life)).ti,ab.

22 (disutili$ or (utilit$ adj1 (health or score$ or value$ or weigh$))).ti,ab.

23 (health year equivalent or hye or hyes).ti,ab.

24 (daly or qal or qald or qale or qaly or qtime$ or qwb$).ti,ab.

25 discrete choice.ti,ab.

26 (euroqol$ or euro qol$ or eq5d$ or eq 5d$).ti,ab.

27 (hui or hui1 or hui2 or hui3).ti,ab.

28 ((quality adj2 (wellbeing or well being)) or quality adjusted life or qwb or (value adj2 (money or monetary))).ti,ab.

29 (qol or hql$ or hqol$or h qol$ or hrqol or hr qol or hr ql or hrql).ti,ab.

30 rosser.ti,ab.

31 sickness impact profile.ti,ab.

32 (standard gamble or time trade$ or tto or willingness to pay).ti,ab.

33 (sf36 or sf 36 or short form 36 or shortform 36 or sf thirtysix or sf thirty six or shortform thirtysix or shortform thirty six or short form thirtysix or short form thirty six).ti,ab.

34 (sf6 or sf 6 or short form 6 or shortform 6 or sf six or sfsix or shortform six or short form six).ti,ab.

35 (sf12 or sf 12 or short form 12 or shortform 12 or sf twelve or sftwelve or shortform twelve or short form twelve).ti,ab.

36 (sf16 or sf 16 or short form 16 or shortform 16 or sf sixteen or sfsixteen or shortform sixteen or short form sixteen).ti,ab

37 (sf20 or sf 20 or short form 20 or shortform 20 or sf twenty or sftwenty or shortform twenty or short form twenty).ti,ab.

38 or/ 2,4,6-7,9,11,13-14,16,18,20-37