

SEARCH STRATEGIES FOR THE IDENTIFICATION OF HEALTH ECONOMIC STUDIES

Scoping searches

A broad preliminary search of the literature was undertaken in March 2013 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 economic evidence					
Section 2: prevention					
Review question(s)	Search type	Search construction	Study design searched	Databases searched	Date range searched
2.1,2.2, 2.3	Generic search	General medical databases: [(population terms version 1) AND (HE/QoL study design filter terms)] Topic specific databases: [(population terms version 1)]	Full and partial economic evaluations, quality of life studies	General medical databases: Embase, Medline, PreMedline, PsycINFO Topic specific databases: NHS EED, HTA	2006 to 07 April 2014
Section 3: case identification and assessment					
Review question(s)	Search type	Search construction	Study design searched	Databases searched	Date range searched

3.1,3.2,3.3	Focused search	General medical databases: [(Population terms version 1) AND (((general identification instrument/ diagnostic assessment terms) AND (sensitivity/specificity terms)) OR (named instruments)) AND (HE/QoL study design filter terms)] Topic specific databases: [(population terms version 1)]	Full and partial economic evaluations, quality of life studies	General medical databases: Embase, Medline, PreMedline, PsycINFO Topic specific databases: NHS EED, HTA	1998 to 07 April 2014
3.1,3.2,3.3	Generic search	General medical databases: [(population terms version 1) AND (HE/QoL study design filter terms)] Topic specific databases: [(population terms version 1)]	Full and partial economic evaluations, quality of life studies	General medical databases: Embase, Medline, PreMedline, PsycINFO Topic specific databases: NHS EED, HTA	2006 to 07 April 2014
Section 4: interventions for the treatment of mental health problems					
Review question(s)	Search type	Search construction	Study design searched	Databases searched	Date range searched

4.1,4.2,4.3,4.4,4.5,4.6	Generic search	<p>General medical databases: [(population terms version 1) AND (HE/QoL study design filter terms)]</p> <p>Topic specific databases: [(population terms version 1)]</p>	Full and partial economic evaluations, quality of life studies	<p>General medical databases: Embase, Medline, PreMedline, PsycINFO</p> <p>Topic specific databases: NHS EED, HTA</p>	2006 to 07 April 2014
4.1	Focused search	[(still birth terms) AND (holding terms) AND (HE/QoL study design filter terms)]	Full and partial economic evaluations, quality of life studies	<p>General medical databases: Embase, Medline, PreMedline, PsycINFO</p> <p>Topic specific databases: NHS EED, HTA</p>	1998 to April 2014

4.2	Focused search	<p>Search 1 [(population terms version 1 OR population terms version 2) AND (pharmacological terms) AND (harm terms) AND (HE/QoL study design filter terms)]</p> <p>Topic specific databases: [(population terms version 1)]</p>	Full and partial economic evaluations, quality of life studies	<p>General medical databases: Embase, Medline, PreMedline, PsycINFO</p> <p>Topic specific databases: NHS EED, HTA</p>	1998 to April 2014
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1 APMH STEM

1.1 Embase, Medline, PreMedline, PsycINFO – OVID SP

Version 1

- 1 birth/ or exp breastfeeding/ or breastmilk/ or exp childbirth/ or lactation/ or newborn/ or
obstetric\$.hw. or pelvimetry/ or perinatal period/ or exp pregnancy/ or exp pregnancy
disorder/
- 2 1 use emez
exp breastfeeding/ or exp delivery, obstetric/ or exp infant, newborn/ or exp lactation/ or
exp maternal health services/ or exp maternal child nursing/ or milk, human/ or
- 3 obstetric\$.hw. or parturition/ or pelvimetry/ or exp perinatal care/ or peripartum period/ or
exp postpartum period/ or exp pregnancy/ or exp pregnancy complications/ or exp
pregnancy, multiple/ or prenatal care/ or prenatal diagnosis/ or exp pregnancy trimesters/ or
uterine monitoring/ or weaning/
- 4 3 use mesz
breastfeeding/ or "labour (childbirth)"/ or lactation/ or obstetrical complications/ or
- 5 obstetric\$.hw,id. or perinatal period/ or postnatal care/ or postnatal period/ or exp
pregnancy/ or exp prenatal care/ or exp pregnancy outcomes/ or prenatal diagnosis/ or
weaning/
- 6 5 use psych
(ante?natal\$ or ante?part\$ or birth\$ or breastfeed\$ or (breast adj (feed\$ or fed)) or
child?birth\$ or ((first or second or third) adj2 trimester\$) or labor or laboring or labour or
- 7 labouring or lactat\$ or maternal\$ or new?born\$ or peri?natal\$ or obstetric\$ or postbirth\$ or
post?partum\$ or post?natal\$ or pregnan\$ or pre?nat\$ or puerperal\$ or puerperium\$ or
wean\$1 or weaning).ti,ab.
- 8 or/2,4,6-7
- 9 exp mental disease/ or mental patient/
- 10 9 use emez
- 11 exp mental disorders/ or mentally ill persons/
- 12 11 use mesz
- 13 exp chronic mental illness/ or exp mental disorders/
- 14 13 use psych
- 15 ((mental\$ or psychologic\$) adj2 (deficien\$ or disease\$ or disorder\$ or disturbance\$ or
dysfunction\$ or health or illness\$ or problem\$)).ti,ab,id.
- 16 or/10,12,14-15
- 17 anxiety/ or exp anxiety disorder/ or hyperhidrosis/ or exp mutism/
- 18 17 use emez
- 19 anxiety/ or exp anxiety disorders/ or blushing/ or exp hyperhidrosis/ or mutism/ or or
shyness/
- 20 19 use mesz
- 21 anxiety/ or anxiety management/ or exp anxiety disorders/ or exp mutism/ or social anxiety/

- or sweating/ or timidity/
- 22 21 use psych
- (anxiety or anxious or ((chronic or excessive or intense or (long adj2 last) or neurotic or
- 23 neurotic or ongoing or persistent or serious or severe or uncontrolled or uncontrolled or
unrelenting or unrelenting) adj2 worry)).ti,ab,id.
- (body dysmorphic disorder or compulsions or compulsive behavior or obsessive behavior).sh.
or (body dysmorphic or clean response or compulsion or dysmorphic or imagine
- 24 ugly or obsession or obsessional or obsessions or obsessive compulsive or obsessively ruminating
or ocd or osteochondritis or recurring thought or scrupulousness or ((arranging or checking or cleaning
or counting or hoarding or ordering or repeating or symmetrical or washing) adj2 compulsive)).ti,ab,id,hw.
- 25 panic.sh. or panic.ti,ab.
- (acrophobia or agoraphobia or claustrophobia or emetophobia or entomophobia or
homophobia or infantophobia or kinesiophobia or lesbophobia or neophobia or neurophobia or
phobia or transphobia or topophobia or trypanophobia or xenophobia or ((acute or chronic
or extreme or intense or irrational or persistent or serious) adj2 fear) or (fear adj4 (air
26 travel or animal or birth or blood or buses or ((closed or public) adj2 space) or
childbirth or crowd or dark or dental or dentist or dog1 or dying or falls or falling or fly
or flying or height or hypochondriacal or injection or injury or laughing or leaving home or
lightning or movement or needle or night or panic or plane or pregnant or reinjure
or school or snake or space or spider or test or thunder or tokophobia or tocophobia
or train or travel or water)) or specific fear).ti,ab,id.
- ((anxiety or anxious or phobia or phobic) adj2 (performance or social)) or
anthropophobia or socioanxiety or sociophobia or ((blush or sweat or tremble) adj3 (anxiety
or anxious or chronic or excessive or fear or severe)) or ((interpersonal or interpersonal
or social or socio) adj2 (aversion or aversive or confidence or difficult or disorder or
27 distress or fear)) or hyperhidrosis or hyperperspiration or (hyper adj (hidrosis or
perspiration)) or ((mute or mutism) adj2 (elective or selective)) or ((negative evaluation or
speak) adj3 (anxiety or anxious or distress or fear)) or paruresis or (((personality or
phobia or social or socio) adj2 avoid) or avoidant disorder) or ((phobia or social) adj2
neurotic) or phobic disorder or (shy or shyness) or specific phobia).ti,ab,id.
- (critical incident stress or emotional trauma or psychological stress or stress, psychological or
traumatic neurosis).sh. or (acute stress or asd or combat neurotic or combat syndrome or
desnos or ((extreme or psycho) adj (stress or trauma)) or flash back or flashback or
28 hypervigilant or hypervigilant or posttrauma or post trauma or ptsd or railway spine or
(rape adj2 trauma) or re-experience or re-experience or stress disorder or torture
syndrome or (traumatic adj (neurotic or stress)) or (trauma and (avoidance or birth or
death or emotion or grief or horror or nightmare or night mare))).ti,ab,id.
- 29 or/18,20,22-28
- 30 exp eating disorder/ use emez or exp eating disorders/ use mesz,psych or binge eating/ use
psych
- (anorexia or binge or bulimia or (compulsive adj2 (eat or vomit)) or (eating adj2 disorder)
- 31 or ednos or ((forced or self-induced or self-induced) adj2 (purge or vomit)) or hyperorexia or
overeat or overeat or (restrict adj2 eat)).ti,ab,id.
- 32 or/30-31
- 33 exp mood disorder/ use emez

- 34 depression/ or exp mood disorders/ use mesz
- 35 exp affective disorders/ use psych
- 36 ((affective or mood) adj (disorder\$ or disturbance\$ or dysfunction\$)).ti,ab,id.
- 37 (cyclothym\$ or depres\$ or dysthym\$ or (low adj2 mood) or melanchol\$ or seasonal affective disorder\$).ti,ab,id.
- 38 (((bipolar or 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,id.
- 39 or/33-38
- 40 "explode schizophrenia"/ or (psychosis\$ or psychotic\$).hw.
- 41 40 use emez
- 42 exp psychotic disorders/ or exp schizophrenia/ or "schizophrenia and disorders with psychotic features"/
- 43 42 use mesz
- 44 exp psychosis/ or exp schizophrenia/
- 45 44 use psych
- (a?athisi\$ or hebephreni\$ or (neuroleptic\$ and ((malignant and syndrome) or (movement adj2 disorder))) or oligophreni\$ or psychotic\$ or psychos?s or schizo\$ or (tardiv\$ and dyskine\$)).ti,ab,id. or ((parkinsoni\$ or neuroleptic induc\$).ti,ab,id. not (parkinson\$ and disease).ti.) or (delusion\$ or hallucinat\$ or paranoi\$ or psychiatric\$ or thought disorder\$).ti,ab,id,hw.
- 47 or/41,43,45-46
- 48 exp personality disorder/ use emez
- 49 exp personality disorders/ use mesz
- 50 exp personality disorders/
- 51 50 use psych
- 52 (((aggressiv\$ or anxious\$ or borderline\$ or dependent\$ or eccentric\$ or emotional\$ or immature or passiv\$ or psychoneurotic or psycho neurotic or unstable) adj5 personalit\$) or (anal\$ adj (personalit\$ or character\$ or retentiv\$)) or aspd or character disorder\$ or (personalit\$ adj5 disorder\$)).ti,ab,id.
- (anankastic\$ or asocial\$ or avoidant\$ or antisocial\$ or anti social\$ or compulsiv\$ or dissocial\$ or histrionic\$ or narciss\$ or neuropsychopath\$ or obsessiv\$ or paranoi\$ or psychopath\$ or sadist\$ or schizoid\$ or schizotyp\$ or sociopath\$ or (moral adj2 insanity)).ti,ab,id.
- 53 or histrionic\$ or narciss\$ or neuropsychopath\$ or obsessiv\$ or paranoi\$ or psychopath\$ or sadist\$ or schizoid\$ or schizotyp\$ or sociopath\$ or (moral adj2 insanity)).ti,ab,id.
- 54 (cluster a or cluster b or cluster c or (dsm and (axis and ii)) or (icd and (f60 or f61 or f62)) or ((anxious\$ or dramatic\$ or eccentric\$ or emotional\$ or fearful\$ or odd\$) adj5 cluster\$)).ti,ab.
- 55 or/48-49,51-54
- 56 automutilation/ or exp suicidal behavior/
- 57 56 use emez
- 58 self-injurious behavior/ or self mutilation/ or suicide/ or suicidal ideation/ or suicide, attempted/
- 59 58 use mesz
- 60 suicide/ or attempted suicide/ or exp self injurious behavior/ or suicidal ideation/ or suicide prevention/ or suicidology/

- 61 60 use psyh
 (autoaggress\$ or automutilat\$ or (auto adj (aggress\$ or mutilat\$)) or cutt\$ or overdose\$ or
 62 (self adj2 cut\$) or selfdestruct\$ or selfharm\$ or selfimmolat\$ or selfinflict\$ or selfinjur\$ or
 selfmutilat\$ or selfpoison\$ or (self adj (destructbor\$ or harm\$ or immolat\$ or inflict\$ or
 injur\$ or mutilat\$ or poison\$)) or suicid\$).ti,ab,id.
- 63 or/57,59,61-62
- 64 addiction/ or alcoholism/ or exp alcohol abuse/ or exp drug dependence/ or exp drug abuse/
 or substance abuse/ or withdrawal syndrome/
- 65 64 use emez
- 66 drug seeking behavior/ or exp substance-related disorders/
- 67 66 use mesz
- 68 addiction/ or exp drug abstinence/ or drug abuse prevention/ or exp drug abuse/ or drug
 overdoses/ or exp drug withdrawal/ or needle exchange programs/ or sobriety/
- 69 68 use psyh
- 70 (alcoholi\$ or (alcohol\$ and (abstinence or detoxification or intoxicat\$ or rehabilit\$ or
 withdraw\$))).id,hw.
 (alcoholi\$ or drinker\$1 or (drink\$ adj2 use\$1) or ((alcohol\$ or drink\$) adj5 (abstinen\$ or
 abstain\$ or abus\$ or addict\$ or attenuat\$ or binge\$ or crav\$ or dependen\$ or detox\$ or
 71 disease\$ or disorder\$ or excessiv\$ or harm\$ or hazard\$ or heavy or high risk or intoxicat\$ or
 misus\$ or overdos\$ or over dos\$ or problem\$ or rehab\$ or reliance or reliant or relaps\$ or
 withdraw\$)) or (control\$ adj2 drink\$) or sobriet\$).ti,ab,id.
 (cannabis or cocaine or hashish or heroin or marihuana or marijuana\$ or ((acetomorphine or
 amphetamine\$ or amphetamine\$ or analeptic\$ or crack or crank or dextroamphetamine\$ or
 diacephine or diacetylmorphine or diacetylmorphine or diamorphin\$ or diamorphine or
 diaphorin or drug or methadone\$ or methamphetamine\$ or morfin\$ or morphacetin or
 72 morphin\$ or naltrexone or narcotic\$ or opioid\$ or opium or polydrug\$ or psychostimulant\$
 or speed or stimulant\$ or stimulant\$ or substance or uppers) adj3 (abstain\$ or abstinen\$ or
 abus\$ or addict\$ or (excessive adj use\$) or dependen\$ or (inject\$ adj2 drug\$) or intoxicat\$ or
 misus\$ or over dos\$ or overdos\$ or (use\$ adj (disorder\$ or illicit)) or withdraw\$)) or ((drug or
 substance) adj use\$)).ti,ab,hw,id.
- 73 or/65,67,69-72
- 74 or/16,29,32,39,47,55,63,73
- 75 8 and 74

1.2 Cochrane Library – Wiley Version 1

- #1 mesh descriptor: [breastfeeding] explode all trees
 #2 mesh descriptor: [infant, newborn] explode all trees
 #3 mesh descriptor: [maternal health services] explode all trees
 #4 mesh descriptor: [maternal-child nursing] explode all trees
 #5 mesh descriptor: [milk, human] this term only
 #6 mesh descriptor: [pelvimetry] this term only

- #7 mesh descriptor: [perinatal care] explode all trees
- #8 mesh descriptor: [peripartum period] this term only
- #9 mesh descriptor: [postpartum period] explode all trees
- #10 mesh descriptor: [parturition] this term only
- #11 mesh descriptor: [pregnancy] explode all trees
- #12 mesh descriptor: [pregnancy complications] explode all trees
- #13 mesh descriptor: [pregnancy, multiple] explode all trees
- #14 mesh descriptor: [prenatal care] this term only
- #15 mesh descriptor: [prenatal diagnosis] this term only
- #16 mesh descriptor: [pregnancy trimesters] explode all trees
- #17 mesh descriptor: [uterine monitoring] this term only
- #18 mesh descriptor: [weaning] this term only
- #19 obstetric*:kw
- #20 (antenatal* or "ante natal*" or antepart* or "ante part*" or birth* or breastfeed* or (breast near/1 (feed* or fed)) or childbirth* or ((first or second or third) near/2 trimester*) or labor or laboring or labour or labouring or lactat* or maternal* or newborn* or "new born*" or obstetric* or perinatal* or "peri natal*" or postbirth* or postpartum* or "post partum*" or postnatal* or "post natal*" or pregnan* or prenat* or "pre nat*" or puerperal* or puerperium* or wean* or weaning):ti
- #21 (antenatal* or "ante natal*" or antepart* or "ante part*" or birth* or breastfeed* or (breast near/1 (feed* or fed)) or childbirth* or ((first or second or third) near/2 trimester*) or labor or laboring or labour or labouring or lactat* or maternal* or newborn* or "new born*" or obstetric* or perinatal* or "peri natal*" or postbirth* or postpartum* or "post partum*" or postnatal* or "post natal*" or pregnan* or prenat* or "pre nat*" or puerperal* or puerperium* or wean* or weaning):ab
- #22 #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 or #20 or #21
- #23 mesh descriptor: [mental disorders] explode all trees
- #24 mesh descriptor: [mentally ill persons] this term only
- #25 ((mental* or psycholog*) near/2 (deficien* or disease* or disorder* or disturbance* or dysfunction* or health or illness* or problem*)):ti
- #26 ((mental* or psycholog*) near/2 (deficien* or disease* or disorder* or disturbance* or dysfunction* or health or illness* or problem*)):ab
- #27 mesh descriptor: [anxiety] this term only
- #28 mesh descriptor: [anxiety disorders] explode all trees
- #29 mesh descriptor: [blushing] this term only
- #30 mesh descriptor: [hyperhidrosis] explode all trees
- #31 mesh descriptor: [mutism] this term only
- #32 mesh descriptor: [shyness] this term only
- #33 (anxiet* or anxious* or ((chronic* or excessiv* or intens* or (long* near/2 last*) or neuros* or neurotic* or ongoing or persist* or serious* or sever* or uncontrol* or "un control*" or unrelent* or "un relent*") near/2 worry)):ti
- #34 (anxiet* or anxious* or ((chronic* or excessiv* or intens* or (long* near/2 last*) or neuros* or neurotic* or ongoing or persist* or serious* or sever* or uncontrol* or "un control*" or unrelent* or "un relent*") near/2 worry)):ab
- #35 mesh descriptor: [body dysmorphic disorders] this term only
- #36 mesh descriptor: [compulsive behavior] explode all trees
- #37 mesh descriptor: [obsessive behavior] this term only

- #38 ("clean* response*" or compulsion* or obsession* or ("obsessive compulsive" near/1 (disorder* or neuros*)) or ocd or osteochondr* or compulsion or (recurr* near/1 (obsession* or thought)) or "body dysmorphi*" or dysmorphophobi* or "imagine* ugl*" or "obsess* ruminat*" or scrupulosity or ((arrang* or check* or clean* or count* or hoard* or order* or repeat* or symmetr* or wash*) near/1 compulsi*)):ab
- #39 ("clean* response*" or compulsion* or obsession* or ("obsessive compulsive" near/1 (disorder* or neuros*)) or ocd or osteochondr* or compulsion or (recurr* near/1 (obsession* or thought)) or "body dysmorphi*" or dysmorphophobi* or "imagine* ugl*" or "obsess* ruminat*" or scrupulosity or ((arrang* or check* or clean* or count* or hoard* or order* or repeat* or symmetr* or wash*) near/1 compulsi*)):ti
- #40 mesh descriptor: [panic] this term only
- #41 panic*:ti
- #42 panic*:ab
- #43 (acrophob* or agoraphob* or claustrophob* or emetophob* or enfantaphob* or homophob* or infantaphob* or kinesiphob* or lesbophob* or neophob* or neurophob* or phobi* or transphob* or to?ophobi* or trypanophob* or xenophob* or ((acute* or chronic* or extreme* or intens* or irrational* or persistent* or serious*) near/2 fear*) or (fear* near/4 ("air travel" or animal* or birth* or blood* or buses or ((closed or public) near/2 space*) or childbirth* or crowd* or dark* or dental* or dentist* or dog* or dying or falls or falling or fly or flying or height* or hypochondriacal or injection* or injur* or laughed or "leaving home" or lightening or movement* or needle* or night* or panic* or plane* or pregnan* or reinjure* or school* or snake* or space* or spider* or test* or thunder* or tokophob* or tocophob* or train* or travel* or water)) or "specific fear*"):ti
- #44 (acrophob* or agoraphob* or claustrophob* or emetophob* or enfantaphob* or homophob* or infantaphob* or kinesiphob* or lesbophob* or neophob* or neurophob* or phobi* or transphob* or to?ophobi* or trypanophob* or xenophob* or ((acute* or chronic* or extreme* or intens* or irrational* or persistent* or serious*) near/2 fear*) or (fear* near/4 ("air travel" or animal* or birth* or blood* or buses or ((closed or public) near/2 space*) or childbirth* or crowd* or dark* or dental* or dentist* or dog* or dying or falls or falling or fly or flying or height* or hypochondriacal or injection* or injur* or laughed or "leaving home" or lightening or movement* or needle* or night* or panic* or plane* or pregnan* or reinjure* or school* or snake* or space* or spider* or test* or thunder* or tokophob* or tocophob* or train* or travel* or water)) or "specific fear*"):ab
- #45 (((anxiet* or anxious* or phobia* or phobic*) near/2 (performance or social*)) or anthropophobi* socioanxi* or sociophobi* or ((blush* or sweat* or trembl*) near/3 (anxiet* or anxious* or chronic* or excessiv* or fear* or severe)) or ((interpersonal or "inter personal" or social* or socio*) near/2 (aversion* or aversiv* or confiden* or difficult* or disorder* or distress* or fear*)) or hyperhydrosis or hyperperspirat* or (hyper near/1 (hydrosis or perspirat*)) or ((mute* or mutism) near/2 (elective* or selective*)) or ((negative evaluation or speak*) near/3 (anxiet* or anxious* or distress* or fear*)) or paruresis or (((personalit* or phobi* or social* or socio*) near/2 avoid*) or "avoidant disorder") or ((phobi* or social) near/2 neuros*) or "phobic disorder*" or (shy or shyness) or "specific phobia*"):ti
- #46 (((anxiet* or anxious* or phobia* or phobic*) near/2 (performance or social*)) or anthropophobi* socioanxi* or sociophobi* or ((blush* or sweat* or trembl*) near/3 (anxiet* or anxious* or chronic* or excessiv* or fear* or severe)) or ((interpersonal or

- "inter personal" or social* or socio*) near/2 (aversion* or aversiv* or confiden* or difficult* or disorder* or distress* or fear*) or hyperhydrosis or hyperperspirat* or (hyper near/1 (hydrosis or perspirat*)) or ((mute* or mutism) near/2 (elective* or selective*)) or ((negative evaluation or speak*) near/3 (anxiet* or anxious* or distress* or fear*)) or paruresis or (((personalit* or phobi* or social* or socio*) near/2 avoid*) or "avoidant disorder") or ((phobi* or social) near/2 neuros*) or "phobic disorder*" or (shy or shyness) or "specific phobia*"):ab
- #47 mesh descriptor: [stress, psychological] this term only
- #48 ("acute stress" or asd or "combat neuros*" or "combat syndrome" or desnos or "extreme stress" or "flash back*" or flashback* or hypervigilan* or hypervigilen* or posttrauma* or "post trauma*" or (psycho* near/1 (stress* or trauma*)) or ptsd or "railway spine" or (rape near/2 trauma*) or "re experienc*" or reexperienc* or "stress disorder*" or "torture syndrome" or (traumatic near/1 (neuros* or stress)) or (trauma* and (avoidance or death* or emotion* or grief or horror or nightmare* or "night mare*"))):ti
- #49 ("acute stress" or asd or "combat neuros*" or "combat syndrome" or desnos or "extreme stress" or "flash back*" or flashback* or hypervigilan* or hypervigilen* or posttrauma* or "post trauma*" or (psycho* near/1 (stress* or trauma*)) or ptsd or "railway spine" or (rape near/2 trauma*) or "re experienc*" or reexperienc* or "stress disorder*" or "torture syndrome" or (traumatic near/1 (neuros* or stress)) or (trauma* and (avoidance or death* or emotion* or grief or horror or nightmare* or "night mare*"))):ab
- #50 mesh descriptor: [eating disorders] explode all trees
- #51 (anorexi* or bing* or bulimi* or (compulsive* near/2 (eat* or vomit*)) or (eating near/2 disorder*) or hyperorexia or "over eat*" or overeat* or ((forced or "self induc*" or selfinduc*) near/2 (purg* or vomit*)) or (restrict* near/2 eat*)):ti
- #52 (anorexi* or bing* or bulimi* or (compulsive* near/2 (eat* or vomit*)) or (eating near/2 disorder*) or hyperorexia or "over eat*" or overeat* or ((forced or "self induc*" or selfinduc*) near/2 (purg* or vomit*)) or (restrict* near/2 eat*)):ab
- #53 mesh descriptor: [depression] this term only
- #54 mesh descriptor: [mood disorders] explode all trees
- #55 ((affective or mood) near/1 (disorder* or disturbance* or dysfunction*)):ti
- #56 ((affective or mood) near/1 (disorder* or disturbance* or dysfunction*)):ab
- #57 (cyclothym* or depres* or dysthym* or (low near/2 mood) or melanchol* or "seasonal affective disorder*"):ti
- #58 (cyclothym* or depres* or dysthym* or (low near/2 mood) or melanchol* or "seasonal affective disorder*"):ab
- #59 (((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
- #60 (((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):ab
- #61 mesh descriptor: [schizophrenia and disorders with psychotic features] this term only
- #62 mesh descriptor: [psychotic disorders] explode all trees
- #63 mesh descriptor: [schizophrenia] explode all trees
- #64 ((acathisi* or akathisi* or hebephrenic* or (neuroleptic* and ((malignant and syndrome) or (movement near/2 disorder))) or oligophreni* or psychotic* or psychosis or

- psychoses or schizo* or (tardive* and dyskine*)) or (delusion* or hallucinat* or paranoi* or "thought disorder*")):ti,ab,kw
- #65 (parkinsoni* or "neuroleptic induc"):ti,ab,kw
- #66 mesh descriptor: [personality disorders] explode all trees
- #67 (((aggressiv* or anxious* or borderline* or dependent* or eccentric* or emotional* or immature or passiv* or psychoneurotic or "psycho neurotic" or unstable) near/5 personalit*) or (anal* near/1 (personalit* or character* or retentiv*)) or aspd or "character disorder*" or (personalit* near/5 disorder*)):ti
- #68 (((aggressiv* or anxious* or borderline* or dependent* or eccentric* or emotional* or immature or passiv* or psychoneurotic or "psycho neurotic" or unstable) near/5 personalit*) or (anal* near/1 (personalit* or character* or retentiv*)) or aspd or "character disorder*" or (personalit* near/5 disorder*)):ab
- #69 (anankastic* or asocial* or avoidant* or antisocial* or "anti social*" or compulsiv* or dissocial* or histrionic* or narciss* or neuropsychopath* or obsessiv* or paranoi* or psychopath* or sadist* or schizoid* or schizotyp* or sociopath* or (moral near/2 insanity)):ti
- #70 (anankastic* or asocial* or avoidant* or antisocial* or "anti social*" or compulsiv* or dissocial* or histrionic* or narciss* or neuropsychopath* or obsessiv* or paranoi* or psychopath* or sadist* or schizoid* or schizotyp* or sociopath* or (moral near/2 insanity)):ab
- #71 ("cluster a" or "cluster b" or "cluster c" or (dsm and (axis and ii)) or (icd and (f60 or f61 or f62)) or ((anxious* or dramatic* or eccentric* or emotional* or fearful* or odd*) near/5 cluster*)):ti
- #72 ("cluster a" or "cluster b" or "cluster c" or (dsm and (axis and ii)) or (icd and (f60 or f61 or f62)) or ((anxious* or dramatic* or eccentric* or emotional* or fearful* or odd*) near/5 cluster*)):ab
- #73 mesh descriptor: [self-injurious behavior] this term only
- #74 mesh descriptor: [self mutilation] this term only
- #75 mesh descriptor: [suicide] this term only
- #76 mesh descriptor: [suicidal ideation] this term only
- #77 mesh descriptor: [suicide, attempted] this term only
- #78 (autoaggress* or "auto aggress*" or automutilat* or "auto mutilat*" or cutt* or overdose* or (self near/2 cut*) or selfdestruct* or "self destruct*" or selfharm* or "self harm*" or selfimmolat* or "self immolat*" or selfinflict* or "self inflict*" or selfinjur* or "self injur*" or selfmutilat* or "self mutilat*" or selfpoison* or "self poison*" or suicid*):ti
- #79 (autoaggress* or "auto aggress*" or automutilat* or "auto mutilat*" or cutt* or overdose* or (self near/2 cut*) or selfdestruct* or "self destruct*" or selfharm* or "self harm*" or selfimmolat* or "self immolat*" or selfinflict* or "self inflict*" or selfinjur* or "self injur*" or selfmutilat* or "self mutilat*" or selfpoison* or "self poison*" or suicid*):ab
- #80 mesh descriptor: [drug-seeking behavior] this term only
- #81 mesh descriptor: [substance-related disorders] explode all trees
- #82 alcohol* and (abstinence or detoxification or intoxicat* or rehabilit* or withdraw*):kw
- #83 alcoholi*:kw
- #84 (alcoholi* or drinker* or (drink* near/2 use*) or ((alcohol* or drink*) near/5 (abstinen* or abstain* or abus* or addict* or attenuat* or binge* or crav* or dependen* or detox* or disease* or disorder* or excessiv* or harm* or hazard* or heavy* or "high risk" or

- intoxicat* or misus* or overdos* or "over dos*" or problem* or rehab* or reliance or
reliant or relaps* or withdraw*)) or (control* near/2 drink*) or sobriet*):ti
- #85 (alcoholi* or drinker* or (drink* near/2 use*) or ((alcohol* or drink*) near/5 (abstinen*
or abstain* or abus* or addict* or attenuat* or binge* or crav* or dependen* or detox*
or disease* or disorder* or excessiv* or harm* or hazard* or heavy or "high risk" or
intoxicat* or misus* or overdos* or "over dos*" or problem* or rehab* or reliance or
reliant or relaps* or withdraw*)) or (control* near/2 drink*) or sobriet*):ab
- #86 cannabis or cocaine or hashish or heroin or marihuana or marijuana*:kw
- #87 ((acetomorphine or amphetamine* or amphetamine* or analeptic* or cannabis or
cocaine or crack or crank or dextroamphetamine* or diacephine or diacetylmorphine or
diacetylmorphine or diamorphin* or diamorphine or diaphorin or drug or methadone*
or methamphetamine* or morfin* or morphacetin or morphin* or naltrexone or
narcotic* or opioid* or opium or polydrug* or psychostimulant* or speed or stimulant*
or stimulant* or substance or uppers) near/3 (abstain* or abstinen* or abus* or addict*
or (excessive near/1 use*) or dependen* or (inject* near/2 drug*) or intoxicat* or
misus* or "over dos*" or overdos* or (use* near/1 (disorder* or illicit)) or withdraw*))
or ((drug or substance) near/1 use*):ti
- #88 ((acetomorphine or amphetamine* or amphetamine* or analeptic* or cannabis or
cocaine or crack or crank or dextroamphetamine* or diacephine or diacetylmorphine or
diacetylmorphine or diamorphin* or diamorphine or diaphorin or drug or methadone*
or methamphetamine* or morfin* or morphacetin or morphin* or naltrexone or
narcotic* or opioid* or opium or polydrug* or psychostimulant* or speed or stimulant*
or stimulant* or substance or uppers) near/3 (abstain* or abstinen* or abus* or addict*
or (excessive near/1 use*) or dependen* or (inject* near/2 drug*) or intoxicat* or
misus* or "over dos*" or overdos* or (use* near/1 (disorder* or illicit)) or withdraw*))
or ((drug or substance) near/1 use*):ab
- #89 #23 or #24 or #25 or #26 or #27 or #28 or #29 or #30 or #31 or #32 or #33 or #34 or #35
or #36 or #37 or #38 or #39 or #40 or #41 or #42 or #43 or #44 or #45 or #46 or #47 or
#48 or #49 or #50 or #51 or #52 or #53 or #54 or #55 or #56 or #57 or #58 or #59 or #60
- #90 #61 or #62 or #63 or #64 or #65 or #66 or #67 or #68 or #69 or #70 or #71 or #72 or #73
or #74 or #75 or #76 or #77 or #78 or #79 or #80 or #81 or #82 or #83 or #84 or #85 or
#86 or #87 or #88
- #91 #89 or #90
- #92 #22 and #91

1.3 Embase, Medline, PreMedline, PsycINFO – OVID SP Version 2

1. exp prenatal development/ or child development/
2. 1 use emez
3. exp "embryonic and fetal development"/ use mesz
4. 3 use mesz
5. exp infant development/
6. (120 neonatal <birth to age 1 mo> or 140 infancy <2 to 23 mo>)
7. or/5-6 use psyh

8. (baby or babies or congenital\$ or embryo\$ or f?etal or f?etus\$ or gestation or infant\$ or intra?uterin\$ or in\$1 uterus or in\$1 utero or neonat\$ or newborn\$ or un?born child\$).ti,ab,hw,id.
9. or/2,4,7-8

1.4 Cochrane Library – Wiley Version 2

1. mesh descriptor: [embryonic and fetal development] explode all trees
2. (baby or babies or congenital* or embryo* or fetal or foetal or fetus* or foetus* or gestation or infant* or intrauterine* or "intra uterin*" or "in uterus" or "in utero" or neonat* or newborn* or "unborn child*" or "un born child*"):ti,ab,kw
3. #1 or #2

2. Question specific search strategies - all databases

2.1 Case identification and assessment

- 3.1 What concerns and behaviours (as expressed by the woman, carer and family, or exhibited by the woman) should prompt any professional who comes into contact with woman who is antenatal or postnatal to consider referral or further assessment for the presence of mental health problems?
- 3.2 What are the most appropriate methods/ instruments for the identification of mental health problems in women who are antenatal or postnatal?
- 3.3 For women who are antenatal or postnatal, what are the key components of, and the most appropriate structure for a comprehensive diagnostic assessment (including diagnosis)??
Consider:-
 - the nature and content of the interview and observation
 - formal diagnostic methods/ psychological instruments for the assessment of core features mental health problems
 - the assessment of risk to self and others
 - the assessment of need of self and others
 - the setting(s) in which the assessment takes place
 - the role of the any informants
 - gathering of independent and accurate information from informants.
- 3.4 What strategies should be adopted to minimise potential harm to the women or the fetus/infant of these assessments?

2.11 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 mass screening/ or measurement/ or needs assessment/ or newborn screening/ or exp nursing assessment/ or outcome assessment/ or patient assessment/ or predictive value/ or prenatal screening/ or exp psychological 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

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 neonatal screening/ 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 prenatal diagnosis/ or exp psychiatric status rating scales/ or exp psychological tests/ or exp questionnaires/ or risk assessment/

4 3 use mesz

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 prenatal diagnosis/ or pretesting/ or professional examinations/ or exp psychiatric evaluation/ or exp

5 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

(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

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) or (casefind\$ or ((case or tool\$) adj (find\$ or identif\$))).tw.

18 "area under the curve"/ or predictive validity/ or receiver operating characteristic/ or reliability/ or "sensitivity and specificity"/ or test retest reliability/ or validity/

19 18 use emez
20 "area under curve"/ or "predictive value of tests"/ or "reproducibility of results"/ or roc
curve/ or "sensitivity and specificity"/ or validation studies/
21 20 use mesz
22 statistical reliability/ or statistical validity/ or test reliability/ or test validity/
23 22 use psyh
(accurac\$ or accurat\$ or area under curve or auc value\$ or (likelihood adj3 ratio\$) or
24 (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
sensitiv\$ or specificit\$ or valid\$).tw.
25 or/19,21,23-24
26 (antenatal psychosocial health assessment or antenatal psycho social health assessment).tw.
27 antenatal risk questionnaire\$.tw.
28 (bromley adj (postnatal or post natal) adj depression scale).tw.
29 (edinburgh adj (postnatal or post natal) adj depression scale).tw.
30 (maternal adj (antenatal or ante natal) adj attachment scale).tw.
31 ((postpartum or post partum) adj depression screening scale).tw.
32 (pregnancy anxiety scale or pregnancy related anxiety scale).tw.
33 or/26-32
34 beck anxiety inventory.tw.
35 beck depression inventory.tw.
36 (center adj2 epidemiologic studies adj2 depression adj2 (instrument or scale)).tw.
37 diagnostic interview schedule.tw.
38 (eysenck personality adj (questionnaire or scale\$)).tw.
39 general health questionnaire.tw.
40 ((hamilton rating scale adj2 depression) or hamilton depression scale).tw.
41 (hospital anxiety adj2 depression scale).tw.
42 (impact adj2 events scale).tw.
43 (inventory adj2 depressive symptomatology).tw.
44 kessler psychological distress scale.tw.
45 lahore inventory.tw.
46 leverton questionnaire.tw.
47 montgomery asberg.tw.
48 mood disorder questionnaire.tw.
49 patient health questionnaire.tw.
50 present state examination.tw.
51 (social support adj (questionnaire or scale)).tw.
52 (schedules for clinical assessment adj2 neuropsychiatry).tw.
53 dyadic adjustment scale.tw.
54 ((state or state trait or strait trait or strait or trait) adj anxiety adj (inventory or scale)).tw.

- 55 (structured clinical interview adj2 dsm\$).tw.
 56 (traumatic events adj (questionnaire or scale)).tw.
 57 whooley question\$.tw.
 58 zung self-rating depression scale.tw.
 59 (anrq or bpds or epds or maas or cds d or cesd or ces d or ghq12 or hrsd or hamd or ham d or hads or madrs or phq9 or phq 9 or scid).tw.
 ((alpha or pdss or pas or bai or bai or bdi or bdil or bdi ll or bdill or dis or epq or ghq or ies or iesr or ids or idssr or qids or k10 or lq or mdq or phq or pse or pss or psss or sss or scan or sas or stai or tai or tes or teq or sds) adj5 (inventor\$ or questionnaire\$ or scale\$ or schedule\$)).tw.
 60
 61 (((17 and 25) or or/34-60) and [APMH population terms – version 1]) or 33

2.2 Interventions for the treatment of mental health problems

4.1 For women with mental disorders who are antenatal or postnatal, what are the benefits and/or potential harms of psychosocial interventions to treat mental health problems?

2.21 Embase, Medline, PreMedline, PsycINFO – OVID SP

- 1 fetus death/ or stillbirth/
 2 1 use emez
 3 fetal death/ or stillbirth/
 4 3 use mesz
 5 ((fetus or infant or perinatal) and (death or dying)).hw.
 6 5 use psych
 (((baby or birth\$ or born\$ or child\$ or f?etal or f?etus or infant\$ or newborn\$ or neonat\$ or new born\$ or perinatal\$ or peri natal\$) adj3 (dead or death\$ or die\$1 or fatal\$ or lose or losing or lost or mortal\$)) or perinatal\$ loss or peri natal\$ loss or (still adj2 (birth\$ or born\$)) or silent bab\$ or stillbirth\$ or stillborn\$).ti,ab.
 7
 8 or/2,4,6-7
 9 human relation/ or parental contact/ or mother child relation/ or touch/ or parent child relation/
 10 9 use emez
 11 mother child relations/ or interpersonal relations/ or parent child relations/ or touch/
 12 11 use mesz
 13 Interpersonal\$.hw. or mother child relations/ or parent child relations/ or physical contact/ or tactual perception/
 14 13 use psych
 15 (cradle or holding).ti,ab.
 16 (((contact\$ or cradl\$ or handl\$ or held\$ or hold\$ or meet\$ or saw or see\$ or touch\$ or view\$)

adj3 (baby or birth\$ or born\$ or f?etal or f?etus or infant\$ or newborn\$ or neonat\$ or new born\$ or perinatal\$ or peri natal\$) or (say\$ adj2 goodbye\$).ti,ab.

17 or/10,12,14-16

18 8 and 17

2.22 Cochrane Library - Wiley

- 1 mesh descriptor: [fetal death] this term only
- 2 mesh descriptor: [stillbirth] this term only
- 3 (((baby or birth* or born* or child* or fetal or foetal or fetus or foetus or infant* or newborn* or neonat* or "new born*" or perinatal* or "peri natal*") near/3 (dead or death* or die* or fatal* or lose or losing or lost or mortal*)) or "perinatal* loss" or "peri natal* loss" or (still near/2 (birth* or born*)) or "silent bab*" or stillbirth* or stillborn*)
- 4 #1 or #2 or #3
- 5 mesh descriptor: [mother-child relations] explode all trees
- 6 mesh descriptor: [parent-child relations] this term only
- 7 mesh descriptor: [interpersonal relations] this term only
- 8 mesh descriptor: [touch] this term only
- 9 mj (cradle or holding)
- 10 (((contact* or cradl* or handl* or held* or hold* or meet* or saw or see* or touch* or view*) near/3 (baby or birth* or born* or fetal or foetal or fetus or foetus or infant* or newborn* or neonat* or "new born*" or perinatal* or "peri natal*")) or (say* near/2 goodbye*))
- 11 #5 or #6 or #7 or #8 or #9 or #10
- 12 #4 and #11

4.2 For women with mental disorders who are antenatal or postnatal, what are the benefits and/or potential harms of pharmacological interventions to treat mental health problems?

2.23 Embase, Medline, PreMedline, PsycINFO – OVID SP

- 1 antidepressant agent/ use emez
- 2 antidepressive agents/ or serotonin uptake inhibitors/ or monoamine oxidase inhibitors/
- 3 2 use mesz
- 4 antidepressant drugs/ or serotonin reuptake inhibitors/ or monoamine oxidase inhibitors/
- 5 4 use psych
- 6 (tricyclic\$ or tca\$1).ti,ab.
- 7 (ssri\$ or ((serotonin or 5 ht or 5 hydroxytryptamine) adj (uptake or reuptake or re uptake)

- adj inhibit\$)).ti,ab.
- 8 (antidepress\$ or anti depress\$ or maoi\$1 or ((adrenaline or amine or mao or mono amin\$ or monoamin\$ or tyramin\$) adj2 inhibit\$)).ti,ab.
- 9 (snri\$ or ssni\$ or ((noradrenalin or norepinephrine) adj serotonin adj (uptake or reuptake or re uptake) adj inhibitor\$) or (serotonin adj (noradrenalin or norepi- nephrine) adj (uptake or reuptake or re uptake) adj inhibitor\$)).ti,ab.
- 10 (agomelatin\$ or amitriptylin\$ or citalopram or clomipramin\$ or dosulepin or dothiepin or doxepin or duloxetine\$ or escitalopram or fluoxetine\$ or flupentixol or flupenthixol or fluvoxamin\$ or imipramin\$ or isocarboxazid or lofepramin\$ or mianserin or mirtazapin\$ or moclobemid\$ or nortriptylin\$ or paroxetine\$ or phenelzin\$ or phenothiazin\$ or reboxetin\$ or sertraline\$ or tranylcypromin\$ or trazodon\$ or trimipramin\$ or venlafaxin\$).ti,ab,hw.
- 11 or/1,3,5-10
- 12 neuroleptic agent/ use emez
- 13 antipsychotic agents/ use mesz
- 14 neuroleptic drugs/ use psych
- 15 (antipsychotic\$ or anti psychotic\$ or (major adj2 (butyrophenon\$ or phenoth- iazin\$ or tranquil\$)) or neuroleptic\$).ti,ab.
- 16 (benzamide\$ or butrophenone\$ or diphenylbutylpiperidine\$ or phenothiazine\$).ti,ab.
- 17 (amisulprid\$ or aripiprazole or asenapin\$ or benperidol or chlorpromazin\$ or clozapin\$ or flupentixol or fluphenazin\$ or haloperidol or levomepromazin\$ or methotrimeprazin\$ or olanzapin\$ or paliperidon\$ or pericyazin\$ or periciazin\$ or perphenazin\$ or pimozide or pipotiazin\$ or pipothiazin\$ or prochlorperazin\$ or promazin\$ or propericiazin\$ or quetiapin\$ or risperidon\$ or sulphiride or trifluoperazin\$ or trifluoperaz or zuclopentixol or zuclopenthixol).ti,ab,hw.
- 18 or/12-17
- 19 antihistaminic agent/ use emez
- 20 histamine antagonists/ use mesz
- 21 antihistaminic drugs/ use psych
- 22 (antihistamin\$ or anti histamin\$ or (histamin\$ adj2 (antagonist\$ or block\$))).ti,ab.
- 23 promethazin\$.ti,ab,hw.
- 24 or/19-23
- 25 anticonvulsive drugs/ use psych
- 26 anticonvulsive agent/ use emez
- 27 anticonvulsants/ use mesz
- 28 (anticonvuls\$ or anti convuls\$ or antiepilept\$ or anti epilep\$).ti,ab.
- 29 (carbamazepin\$ or eslicarbazepin\$ or ethosuximide or lamotrigin\$ or oxcarbazepin\$ or phenytoin or primidon\$ or rufinamid\$ or topiramate or vigabatrin).ti,ab,hw.
- 30 or/25-29
- 31 hypnotic agent/ use emez
- 32 "hypnotics and sedatives"/ use mesz
- 33 hypnotic drugs/ use psych
- 34 hypnotic\$.ti,ab. or (zopiclon\$ or zolpidem or zaleplon).ti,ab,hw.

35 or/31-34

36 benzodiazepine derivative/ use emez

37 benzodiazepines/ use mesz,psych

38 (benzo\$1 or benzodiazepin\$).ti,ab.

39 sedative agent/ use emez

40 sedatives/ use psych

41 tranquilizing drugs/ use psych

42 (sedative\$ or tranquili\$).ti,ab.

43 (alprazolam or buspiron\$ or chlordiazepoxid\$ or diazepam or lorazepam or oxazepam).ti,ab,hw.

44 or/36-43

45 anxiolytic agent/ use emez

46 anti-anxiety agents/ use mesz

((antianxiety or anti anxiety or ataractic) adj2 (agent\$ or drug\$ or treat\$)) or anxiolytic\$ or

47 ((medium or minor) adj2 tranquil\$) or (serotonergic adj (agent\$ or drug\$ or preparation\$))).ti,ab.

48 meprobamate.ti,ab,hw.

49 or/45-48

50 central stimulant agent/ use emez

51 central nervous system stimulants/ use mesz

52 cns stimulating drugs/ use psych

53 stimulant\$.ti,ab.

54 (atomoxetine\$ or dexamfetamin\$ or dextroamphetamin\$ or methylphenidate).ti,ab,hw.

55 or/50-54

56 (carbamazepin\$ or hypericum or lithium\$ or st john\$ wart or valproate or valproic acid).ti,ab,hw.

(acamprosate or baclofen or buprenorphin\$ or carbamazepin\$ or chlordiazepoxide or

57 chlormethiazole or clomethiazole or clonidin\$ or disulfiram or lofexidin\$ or methadone or naltrexon\$).ti,ab,hw.

58 psychotropic\$.ti,ab.

59 or/56-58

60 or/11,18,24,30,35,44,49,55,59

exp newborn disease/ use emez or exp pregnancy disorder/ use emez or exp prenatal disorder/ use emez or exp "congenital, hereditary, and neonatal diseases and abnormalities"/ use mesz or exp pregnancy complications/ use mesz or exp congenital disorders/ use psych or exp neonatal disorders/ use psych

61 ((baby or babies or congenital\$ or embryo\$ or f?etal or f?etus\$ or gestation or infant\$ or intra?uterin\$ or in\$1 uterus or in\$1 utero or neonat\$ or newborn\$ or un?born child\$) adj3

62 (abnormal\$ or anomal\$ or defect\$ or deficien\$ or deform\$ or disease\$ or disorder\$ or dysfunction\$ or instabilit\$ or malform\$ or problem\$ or syndrome\$)) or (development\$ adj3 (defect\$ or deformit\$ or malform\$))).ti,ab.

- 63 agranulocytosis/ use emez,mesz
- 64 (agranulocytosis or granulopenia or pan?leukopenia).ti,ab.
- 65 cleft palate/ use emez,mesz,psych
- 66 (((cleft or jaw) adj2 palat\$) or palat?schi?is or palatum fissum).ti,ab.
- 67 cleft face/ use emez
- 68 (cleidofacial dysplasia or ((face or facial) adj3 cleft) or schistoprosopia or schizoprosopia).ti,ab.
- 69 crying/ use emez,mesz,psych
- 70 ((constant\$ or continue\$ or incessant or regular or ongoing or perpetual or persist\$ or recurr\$) adj2 cry\$).ti,ab.
- 71 febrile convulsion/ use emez or seizure/ use emez or seizures, febrile/ use mesz or seizures/ use mesz or seizures/ use psych
- 72 (convuls\$ or epilep\$ or seizure\$).ti,ab.
- 73 exp diabetes mellitus/ use emez,mesz or exp diabetes/ use psych
- 74 nephrogenic diabetes insipidus/ use emez or diabetes insipidus, nephrogenic/ use mesz or exp hypoglycemia / use emez,mesz, psych
- 75 (diabet\$ or hypo?glycaemi\$).ti,ab.
- 76 exp extrapyramidal syndrome/ use emez or exp basal ganglia diseases/ use mesz or extrapyramidal symptoms/ use psych
- 77 (((basal adj (ganglia or ganglion)) or extra?pyramidal) adj2 (abnormal\$ or anomal\$ or defect\$ or deficien\$ or deform\$ or disease\$ or disorder\$ or disturbance or dysfunction\$ or instabilit\$ or malform\$ or problem\$ or syndrome\$)).ti,ab.
- 78 exp face malformation/ use emez or facial hemiatrophy/ use mesz
- 79 (((face or facial or hemiafac\$) adj (atroph\$ or dysmorph\$ or hemiatroph\$ or abnormal\$ or anomal\$ or defect\$ or deficien\$ or deform\$ or disease\$ or disorder\$ or disturbance or dysfunction\$ or instabilit\$ or malform\$ or problem\$ or syndrome\$)) or romberg\$).ti,ab.
- 80 infantile hypotonia/ use emez
- 81 (floppy adj2 (baby or babies or child\$ or infant\$)).ti,ab.
- 82 exp muscle hypertonia/ use emez,mesz
- 83 (hypertonia or hypertonus or (muscl\$ adj2 (atonic or contract\$ or flaccid\$ or hyperton\$ or (poor\$ adj2 tone) or rigid\$ or stiff\$)) or spastic\$).ti,ab.
- 84 hypothermia/ use emez,mesz,psych
- 85 hypotherm\$.ti,ab.
- 86 irritability/ use emez,psych or irritable mood/ use mesz
- 87 irritab\$.ti,ab.
- 88 nervousness/ use emez, psych
- 89 (jitter\$ or nervosity or nervous\$).ti,ab.
- 90 exp high birth weight/ use emez or exp low birth weight/ use emez or *birth weight/ use mesz or exp infant, low birth weight/ use mesz or weight gain/ use emez, mesz, psych
- 91 (((high or low) adj birth?weight) or ((lbw or over?weight or under?weight) adj2 (infant\$ or neonat\$ or newborn\$))).ti,ab.

- 92 infantile spasm/ use emez or seizures/ use mesz or exp seizures/ use psych
(flexor spasm or ((infant\$ or neonat\$) adj2 (seizure\$ or spasms or spasmus)) or jack knife
- 93 seizure or minor motor epilepsy or (myoclonic adj2 infant\$ adj2 encephalopathy) or
propulsive petit mal or spasm in\$1 flexion).ti,ab.
- 94 exp neural tube defect/ use emez or exp neural tube defects/ use mesz
- 95 (dysraphia or dysraphic or dysraphism or dysraphy or (neural tube adj2 (closure or defect\$
or malform\$)) or (spina\$ adj (dysraphism or bifida))).ti,ab.
- 96 feeding disorder/ use emez
- 97 ((poor adj2 feed\$) or failure to thrive).ti,ab.
- 98 premature birth/ or premature labor/ use emez or premature birth/ use mesz
- 99 (anoxia or asphyxia or hypoxia or ((premature or pre?term) adj2 (baby or birth\$ or deliver\$
or child\$ or infant\$ or labour\$ or labor\$ or neonat\$ or newborn\$)) or prematurity).ti,ab.
exp "eclampsia and preeclampsia"/ use emez or exp pulmonary hypertension/ use emez or
- 100 exp hypertension, pulmonary/ use mesz or exp Hypertension, Pregnancy-Induced/ use mesz
or hypertension/ use psych
- 101 (hypertens\$ or (persistent f?etal adj3 circulation) or pre?eclamp\$).ti,ab.
- 102 prolactin/ use emez,mesz,psych
(ferolactan or galactin or lactogen\$ or lactotrophic or lactotropic or lactotropin or lth or
- 103 luteotrope or luteotrophic or luteotrophin\$ or luteotropic or luteotropin or mammatropic
or mammotropin\$ or nin pd 3 or nin pd3 or prl or prolactin\$) adj3 (elevat\$ or heighten\$ or
high\$ or increas\$ or rais\$)).ti,ab.
- 104 expl respiratory distress syndrome/ use emez or exp respiratory distress syndrome/ use
mesz or exp respiratory distress/ use psych
- 105 ((respirat\$ adj2 (depress\$ or distress\$ or inhibit\$ or insuffic\$)) or rds).ti,ab.
- 106 restlessness/ use emez,psych or psychomotor agitation/ use mesz
- 107 (agitat\$ or restless\$).ti,ab.
- 108 sedation/ use emez or consious sedation/ use mesz or deep sedation/ use mesz or
sedatives/ use psych
- 109 sedat\$.ti,ab.
- 110 seizure/ use emez or seizures, febrile/ use emez or seizures/ use mesz or seizures, febrile/
use mesz or seizures/ use psych
- 111 (seizur\$ or ((epilep\$ or febril\$ or fever or pyrexial) adj3 (attack\$ or convuls\$ or fit\$ or
insult))).ti,ab.
- 112 shivering/ use emez,mesz or "thermoregulation (body)"/
- 113 shiver\$.ti,ab.
- 114 spontaneous abortion/ use emez,psych or exp abortion, spontaneous/ use mesz
- 115 ((spontaneous adj2 abort\$) or ((loss\$ or lose) adj2 (baby or embryo or neonat\$)) or miscar\$
or mis car\$).ti,ab.
- 116 stevens-johnson syndrome/ use emez,mesz
- 117 ((ectodermosis adj3 pluriorificial\$) or (erythema adj3 multiforme) or rend\$ fiessinger or
(steven\$ adj3 johnson)).ti,ab.
- 118 teratogenicity/ use emez or exp teratogenic agent/ use emez or abnormalities, drug-

- induced/ use mesz or exp teratogens/ use mesz or teratogens/ use psych
- 119 teratogen\$.ti,ab.
- 120 exp tremor/ use emez,mesz,psych
- 121 (tremor\$ or tremulousness).ti,ab.
- 122 weight gain/ use emez,mesz,psych
- 123 ((body size or weight\$) adj2 (gain\$ or increas\$ or put\$ on\$1)).ti,ab.
- 124 apgar score/ use emez,mesz
 ((abnormal\$ or anomal\$ or decreas\$ or defect\$ or deficien\$ or disorder\$ or disturbance\$ or
 125 dysfunction\$ or fall\$ or instabil\$ or low or instabilit\$ or problem\$ or reduc\$) adj2
 apgar\$).ti,ab.
- 126 cleft lip palate/ use emez or cleft lip/ use emez,mesz
- 127 (cheiloschisis or ((cleft\$ or hare) adj2 lip\$) or harelip\$ or labioschi?is or labiopalatoschisis or
 palatolabioschisis).ti,ab.
- 128 withdrawal syndrome/ use emez or neonatal abstinence syndrome/ or exp substance
 withdrawal syndrome/ use mesz or exp drug withdrawal/ use psych
- 129 (((abstain\$ or abstinence or passive addiction\$ or with draw\$ or withdrawal\$) adj3
 (neonat\$ or syndrom\$ or symptom\$)) or craving).ti,ab.
- 130 cognitive defect/ use emez or exp cognition disorders/ use mesz or cognitive impairment/
 use psych or (motor performance or motor skills or motor processes).sh.
 (((cogniti\$ or emotion\$) adj3 (abnormal\$ or anomal\$ or defect\$ or deficien\$ or disabilit\$ or
 131 disorder\$ or dysfunction\$ or impair\$ or problem\$ or reduc\$)) or (motor adj (function\$ or
 performanc\$ or process\$ or skill\$)) or response interference).ti,ab.
- 132 brain size/ use emez,psych or *cerebral cortex/ use mesz or *brain/ use mesz or brain
 weight/ use psych
- 133 ((circumference or decreas\$ or reduc\$ or small\$) adj2 (brain\$ or head or sub?cortical)).ti,ab.
- 134 hypospadias\$.ti,ab,hw.
 (((digit\$ or ear or face or finger\$ or hand\$1 or mouth or neck) adj3 (abnormal\$ or anomal\$
 135 or defect\$ or deficien\$ or deform\$ or disabilit\$ or disorder\$ or dysfunction\$ or hypoplasia
 or impair\$ or malform\$ or missing or problem\$)) or perodactylia).ti,ab.
- 136 (serotonin/ae, to use emez or (serotonin\$.hw. and to.fs. use mesz) or (serotonin/ and
 toxicity/ use psych)]
- 137 (serotonin and (harm\$ or poison\$ or toxic\$)).ti,ab,hw.
- 138 exp cardiovascular disease/ use emez or exp cardiovascular diseases/ use mesz or exp
 cardiovascular disorders/ use psych
 (((atrial\$ or aorta or cardiac\$ or cardiovasc\$ or coronar\$ or heart\$ or myocard\$ or
 pulmonar\$ or vascular\$ or ventricular) adj5 (abnormal\$ or angio?plast\$ or anomal\$ or
 139 bypass\$ or coarctation or defect\$ or deficien\$ or deform\$ or disease\$ or disabilit\$ or
 disorder\$ or disturbance\$ or dysplasi\$ or dysfunction\$ or hypertrop\$ or impair\$ or infarct\$
 or instabil\$ or isch?emi\$ or malform\$ or problem\$ or syndrom\$ or thrombo\$)) or
 arteriosus or cardio?path\$ or echo?cardio\$ or (heart\$ adj2 (block or distress\$ or failure)) or
 hypertens\$ or ((holt oram or leopard or (mckusick adj2 kaufman)) adj2 (diseas\$ or
 syndrom\$)).ti,ab.
- 140 exp gastrointestinal disease/ use emez or exp gastrointestinal diseases/ use mesz or exp

- gastrointestinal disorders/ use psych
- ((alimentary tract or gastro?ent\$ or gastro?intestin\$) adj5 (abnormal\$ or anomal\$ or
141 defect\$ or deficien\$ or deform\$ or disease\$ or disorder\$ or dysfunction\$ or instabilit\$ or
malform\$ or problem\$ or syndrome\$)).ti,ab.
- 142 exp kidney disease/ use emez or exp kidney diseases/ use mesz, psych
- ((kidney or renal) adj3 (abnormal\$ or anomal\$ or defect\$ or deficien\$ or deform\$ or
143 disabilit\$ or disease\$ or disorder\$ or disturbance\$ or dysfunction\$ or impair\$ or instabilit\$
or malform\$ or problem\$ or syndrome\$)).ti,ab.
- 144 exp thyroid disease/ use emez or congenital hypothyroidism/ use mesz or exp thyroid
diseases/ use mesz or exp thyroid disorders/ use psych
- ((thyroid\$ adj5 (abnormal\$ or anomal\$ or defect\$ or deficien\$ or deform\$ or disabilit\$ or
145 disease\$ or disorder\$ or disturbance\$ or dysfunction\$ or impair\$ or instabilit\$ or malform\$
or problem\$ or syndrome\$)) or cretin\$ or hyperthyroid\$).ti,ab.
- 146 exp "disorders of carbohydrate metabolism"/ use emez or exp glucose metabolism
disorders/ use mesz or glucose metabolism/ use psych
- ((carboxylase or carobohydrate or glucos\$ or holocarboxylase) adj5 (abnormal\$ or anomal\$
147 or defect\$ or deficien\$ or deform\$ or disabilit\$ or disease\$ or disorder\$ or disturbance\$ or
dysfunction\$ or error\$ or impair\$ or instabilit\$ or malform\$ or problem\$ or syndrome\$)) or
cdg syndrome\$ or mckusick).ti,ab.
- 148 exp "disorders of lipid and lipoprotein metabolism"/ use emez or exp lipid metabolism
disorders/ use mesz,psych
- (lipid\$ adj5 (abnormal\$ or anomal\$ or defect\$ or deficien\$ or disease\$ or disorder\$ or
149 disturbance\$ or dysfunction\$ or error\$ or impair\$ or instabilit\$ or malform\$ or problem\$ or
syndrome\$)).ti,ab.
- 150 breech presentation/ or exp induced abortion/ or exp instrumental delivery/ or labor
induction/ or premature labor/
- 151 150 use emez
- 152 exp abortion, induced/ or breech presentation/ or exp cesarean section/ or exp extraction,
obstetrical/ or labor, induced/ or exp obstetric labor, premature/
- 153 152 use mesz
- 154 induced abortion/ or premature birth/
- 155 154 use psych
- (ca?sarean or ((breech\$ or forced or forcep\$ or induce\$ or instrumental or mechanical or
156 premature or pre?term) adj2 (abort\$ or birth or delivery or extraction or labo?r\$ or
presentation))).ti,ab.
- 157 *autism/ use emez, psych or *autistic disorder/ use mesz
- 158 infantile autism.ti,ab.
- 159 or/61-149,151,153,155-158
- 160 (ae or it or si or to).fs.
- exp adverse drug reaction/ or drug contraindication/ or exp "drug toxicity and intoxication"/
161 or drug interaction/ or drug monitoring/ or drug safety/ or drug surveillance program/ or
drug tolerability/ or drug tolerance/ or phase 4 clinical trial/ or postmarketing surveillance/
or exp complication/ or risk/ or risk assessment/ or risk factor/ or exp side effect/ or exp

- toxicity/
 162 or/160-161 use emez
 163 (ae or co or ct or de or po or mo or to).fs.
 abnormalities, drug induced/ or clinical trial, phase iv/ or exp "drug-related side effects and adverse reactions"/ or drug interactions/ or drug hypersensitivity/ or drug interaction/ or
 164 drug monitoring/ or drug tolerance/ or intraoperative complications/ or exp poisoning/ or exp postoperative complication/ or exp product surveillance, postmarketing/ or risk/ or risk assessment/ or risk factors/
 165 or/163-164 use mesz
 "complications (disorders)"/ or drug interactions/ or drug tolerance/ or postsurgical
 166 complications/ or risk assessment/ or risk factors/ or exp "side effects (treatment)"/ or exp toxic disorders/ or exp toxicity/
 167 166 use psych
 (odds ratio or (risk\$ adj2 (factor\$ or increas\$ or relative)) or predispos\$ or causa\$ or (((adverse or negativ\$ or side or undesir\$ or unwanted) adj2 (effect\$ or event\$ or outcome\$ or reaction\$)) or discontinuation effect\$ or poison\$ or toxic\$) or (caution\$ or complication\$ or contraindicat\$ or contra indicat\$ or death\$ or harm\$ or hazard\$ or interaction\$1 or lethal\$ or safety or safe or tolerab\$ or intolerab\$ or warning\$) or (treatment emergent or adrs)).ti,ab. or (intoxicat\$ or overdos\$).ti,ab,hw.
 169 or/162,165,167-168
 170 159 or 169
 160 (or/11,18,23,29,34,44,49,55,59 or (or/24,30,35 and [8 from APMH root version 1])) and [74 from APMH root version 1] and 170

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 psych
- 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 psych

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 psych

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 hq1\$ 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