

# CHILDREN'S ATTACHMENT: ATTACHMENT IN CHILDREN AND YOUNG PEOPLE WHO ARE ADOPTED FROM CARE, IN CARE OR AT HIGH RISK OF GOING INTO CARE

## Search strategies for the identification of clinical evidence

### Systematic search

Each search was constructed using the groups of terms set out in Text Box 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

Topic: Prediction, identification and assessment				
Review question(s)	Search construction	Study design searched	Databases searched	Date range searched
What familial biological and environmental factors are associated with the development of attachment difficulties in children and young people?	[(population terms) AND (biological/environmental factor terms) AND (SR/RCT/observational study design filter terms)]	SR, RCT, Observational studies	General medical databases: CENTRAL, CDSR, DARE, Embase, Medline, PreMedline, PsycINFO	Database inception to February 2015

What process features for taking children and young people into local authority care are associated with an increased or decreased risk of developing or worsening attachment difficulties?	[(population terms) AND (process features terms) AND (SR/RCT/observational study design filter terms)]	SR, RCT, Observational studies	General medical databases: CENTRAL, CDSR, DARE, Embase, Medline, PreMedline, PsycINFO	Database inception to February 2015
What features of arrangements made for children and young people in each looked-after setting (residential, fostering, kinship care, adoption), secure and education setting are associated with an increase or decrease in the risk of developing or worsening attachment difficulties?	[(population terms) AND (feature of arrangement terms) AND (SR/RCT/observational study design filter terms)]	SR, RCTs, Observational studies	General medical databases: CENTRAL, CDSR, DARE, Embase, Medline, PreMedline, PsycINFO	Database inception to February 2015

What measurements/tools can be used to predict children and young people at risk of developing attachment difficulties? How valid and reliable are they?	[(named tools)]	All studies	Embase, Medline, PreMedline, PsycINFO	Database inception to February 2015
	Groh et al, 2012; Fearon et al, 2010; Groh et al, 2014 (update search for named tools)	All studies	Embase, Medline, PreMedline, PsycINFO	2009 to February 2015
	Unpublished HTA report (Wright, 2015) (updates search on “measures used to identify attachment patterns and attachment disorders”)	All studies	Embase, Medline, PreMedline, PsycINFO	2012 to February 2015
What measurements/tools can be used to identify/assess attachment difficulties in children and young people? How valid and reliable are they?	[((population terms) AND (measurements/tools) AND (identification/assessment) AND (diagnostic accuracy filter)) OR (named tools)]	All studies	Embase, Medline, PreMedline, PsycINFO	Database inception to February 2015
<b>Topic: Prevention of attachment disorders and problems</b>				
<b>Review question(s)</b>	<b>Search construction</b>	<b>Study design searched</b>	<b>Databases searched</b>	<b>Date range searched</b>

<p>What interventions are effective in the prevention of attachment difficulties in children and young people on the edge of care? What are the adverse effects associated with the each intervention?</p>	<p>[(population terms) AND (preventive intervention terms) AND (SR/RCT/observational study design filter terms)]</p>	<p>SR, RCT, Observational studies</p>	<p>General medical databases: CENTRAL, CDSR, DARE, Embase, Medline, PreMedline, PsycINFO</p> <p>Topic specific databases: ASSIA, CDSR, CINAHL, DARE, ERIC, IBSS, Sociological Abstracts, Social Services Abstracts, SSCI</p>	<p>Database inception to February 2015</p>
<p>What interventions are effective in the prevention of attachment difficulties in children and young people being looked-after? What are the adverse effects associated with each intervention?</p>	<p>[(population terms) AND (preventive intervention terms) AND (SR/RCT/observational study design filter terms)]</p>	<p>SR, RCT, Observational studies</p>	<p>General medical databases: CENTRAL, CDSR, DARE, Embase, Medline, PreMedline, PsycINFO</p> <p>Topic specific databases: ASSIA, CDSR, CINAHL, DARE, ERIC, IBSS, Sociological Abstracts, Social Services Abstracts, SSCI</p>	<p>Database inception to February 2015</p>

What interventions are effective in the prevention of attachment difficulties in children and young people who have been adopted from care? What are the adverse effects associated with each intervention?	[(population terms) AND (preventive intervention terms) AND (SR/RCT/observational study design filter terms)]	SR, RCT, Observational studies	General medical databases: CENTRAL, CDSR, DARE, Embase, Medline, PreMedline, PsycINFO  Topic specific databases: ASSIA, CDSR, CINAHL, DARE, ERIC, IBSS, Sociological Abstracts, Social Services Abstracts, SSCI	Database inception to February 2015
<b>Topic: Treatment of disorganised attachment and attachment disorders</b>				
<b>Review question(s)</b>	<b>Search construction</b>	<b>Study design searched</b>	<b>Databases searched</b>	<b>Date range searched</b>
What psychological interventions are effective in the management of children and young people with attachment difficulties? What are the adverse effects associated with each intervention?	[(population terms ) AND (intervention terms) AND (SR/RCT/observational study design filter terms)]	SR, RCT, Observational studies	General medical databases: CENTRAL, CDSR, DARE, Embase, Medline, PreMedline, PsycINFO  Topic specific databases: ASSIA, CDSR, CINAHL, DARE, ERIC, IBSS, Sociological Abstracts, Social Services Abstracts, SSCI	Database inception to February 2015

<p>What pharmacological interventions are effective in the treatment of children and young people with attachment difficulties? What are the adverse effects associated with each intervention?</p>	<p>[(population terms) AND (intervention terms) AND (SR/RCT/observational study design filter terms)]</p>	<p>SR, RCT, Observational studies</p>	<p>General medical databases: CENTRAL, CDSR, DARE, Embase, Medline, PreMedline, PsycINFO</p> <p>Topic specific databases: ASSIA, CDSR, CINAHL, DARE, ERIC, IBSS, Sociological Abstracts, Social Services Abstracts, SSCI</p>	<p>Database inception to February 2015</p>
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## Population search terms

Embase, Medline, PreMedline, PsycINFO - OVID

- 1 attachment disorder/ or emotional attachment/
- 2 1 use emez
- 3 reactive attachment disorder/
- 4 3 use mesz
- 5 attachment behavior/ or attachment disorders/ or attachment theory/
- 6 5 use psych  
(affect regulation or (attach\* adj2 (abnormal\* or ambivalen\* or anxious\* or avoidant or behavior\* or behaviour\* or diffuse or disinh\* or disorder\*1 or disorgani\* or disorienta\* or disrupt\* or disturb\* or early or inhib\* or insecure\* or interven\* or organi\* or pattern\*1 or problem\*1 or reactive or relation\* or secure or security or style\*1 or theories or theory))
- 7 or attuned care or (bonding adj (disorder\* or failure)) or co regulation or coregulation or (compulsive adj2 (compliance or selfrelian\* or self relian\*)) or developmental trauma or (disorgani\* adj2 (caregiv\* or care giv\* or relation\*)) or ((fail\* or reject\* or secur\*) adj2 attach\*) or (insecur\* adj2 (ambivalen\* or attach\* or avoidan\* or disorgani\*)) or (negative intrusive adj2 behav\*) or proximity seeking or psychologically attuned).ti,ab.  
(attach\* adj5 (adolescen\* or baby or babies or boy or boys or child\* or delinquen\* or early adult\* or girl\* or grader\* or infant\* or junior or juvenile\* or kindergarten\* or minors or neonat\* or newborn\* or new born\* or nursery or nurseries or pediatric\* or paediatr\* or preschool\* or preteen\* or school\* or student\* or teen\* or toddler\* or (young adj2 (adult\* or
- 8 people\* or patient\* or person\* or population\*)) or youngster\* or youth\* or carer\*1 or caregiver\* or care giver\* or custodian\* or guardian\* or dad or dads or father\* or maternal\* or mother\* or mum or mums or parent\* or paternal\* or stepparent\* or ((communicat\* or conversation\* or familiar or interact\* or language or speech) adj2 partner\*)) or (attach\* and (maternal or mother\* or pregnan\*)) or mother child dyad\*).ti,ab.
- 9 or/2,4,6-8
- 10 9 or attachment.ti,ab.
- 11 exp adoption/ or foster care/ or institutional care/ or institutionalization/ or residential home/
- 12 11 use emez
- 13 adoption/ or child, institutionalized/ or foster home care/ or group homes/ or institutionalization/ or residential facilities/
- 14 13 use mesz
- 15 foster care/ or foster children/ or foster parents/ or group homes/ or guardianship/ or institutional schools/ or institutionalization/ or residential care institutions/
- 16 15 use psych  
(((adopt\* or foster\*) adj3 (carer\*1 or caregiver\* or care giver\* or custodian\* or dad or dads or famil\* or father\* or guardian\* or maternal\* or mother\* or mum or mums or parent\* paternal\* or stepparent\*)) or ((adoptive or foster\*) adj (care or home\*)) or ((adopt\* or
- 17 foster\* or group home\* or (place\* adj2 care) or institution\* or (local authority adj2 care) or looked after\* or out of home care or placement\* or residential) adj3 (adolescen\* or baby or babies or boy or boys or child\* or delinquen\* or early adult\* or girl\* or grader\* or infant\* or junior or juvenile\* or kindergarten\* or minors or neonat\* or newborn\* or new born\* or nursery or nurseries or pediatric\* or paediatr\* or preadolescen\* or preschool\* or preteen\*

- or school\* or student\* or teen\* or toddler\* or (young adj2 (adult\* or people\* or patient\* or person\* or population\*)) or youngster\* or youth\*) or (care order\* or care giving environment or (care adj2 (leaver or proceeding\*)) or childrens home or (child\* adj2 (accom\* or care home\* or establishment\* or home\* or institution\*)) or corporate parent\* or unplanned move or edge of\*1 care or (family adj2 friends care) or kinship care or state dependent\*).ti,ab.
- 18 or/12,14,16-17  
 exp adolescence/ or exp adolescent/ or adolescent development/ or exp child/ or child development/ or exp childhood/ or disabled student/ or elementary student/ or high school student/ or high school/ or kindergarten/ or middle school student/ or middle school/ or exp newborn/ or nursery school/ or primary school/ or exp puberty disorders/ or school/ or student/
- 19 school student/ or high school/ or kindergarten/ or middle school student/ or middle school/ or exp newborn/ or nursery school/ or primary school/ or exp puberty disorders/ or school/ or student/
- 20 19 use emez  
 exp adolescent/ or adolescent development/ or exp child/ or exp child development/ or
- 21 exp infant/ or minors/ or puberty/ or puberty, delayed/ or puberty, precocious/ or students/ or exp schools/
- 22 21 use mesz  
 adolescent development/ or boarding schools/ or charter schools/ or exp child development/ or classmates/ or elementary schools/ or exp elementary school students/ or graduate schools/ or high school students/ or high schools/ or institutional schools/
- 23 or junior high school students/ or junior high schools/ or kindergarten students/ or kindergartens/ or middle schools/ or nongraded schools/ or nursery schools/ or exp preschool students/ or puberty/ or schools/ or special education students/ or students/ or vocational school students/
- 24 23 use psyh
- 25 24 use psyh or (infancy 2 23 mo or neonatal birth 1 mo or preschool age 2 5 yrs or adolescence 13 17 yrs or childhood birth 12 yrs or school age 6 12 yrs).ag.
- 26 (adolescen\* or child\* or infan\* or juvenile\* or play therap\* or teen\*).hw,id.  
 (adolescen\* or baby or babies or boy or boys or child\* or delinquen\* or early adult\* or girl\* or grader\* or infant\* or junior or juvenile\* or kindergarten\* or minors or neonat\* or newborn\* or new born\* or nursery or nurseries or pediatric\* or paediatr\* or play therap\* or preadolescen\* or preschool\* or preteen\* or school\* or student\* or teen\* of toddler\* or (young adj2 (adult\* or people\* or patient\* or person\* or population\*)) or youngster\* or youth\*).ti,ab.
- 27 newborn\* or new born\* or nursery or nurseries or pediatric\* or paediatr\* or play therap\* or preadolescen\* or preschool\* or preteen\* or school\* or student\* or teen\* of toddler\* or (young adj2 (adult\* or people\* or patient\* or person\* or population\*)) or youngster\* or youth\*).ti,ab.
- 28 or/20,22,24-27
- 29 exp family therapy/ or parenting education/
- 30 29 use emez
- 31 exp family therapy/
- 32 31 use mesz
- 33 exp family therapy/ or parent training/ or parenting skills/
- 34 33 use psyh
- 35 caregiver/ or exp child parent relation/ or maternal behavior/ or exp parent/ or exp parental behavior/
- 36 35 use emez
- 37 caregivers/ or maternal behavior/ or exp parent-child relations/ or exp parenting/ or exp parents/ or paternal behavior/



38 37 use mesz

39 caregivers/ or exp parent child communication/ or exp parent child relations/ or parental involvement/ or exp parenting/ or exp parents/

40 39 use psych

41 (carer\*1 or caregiver\* or care giver\* or custodian\* or famil\* or guardian\* or dad or dads or father\* or maternal\* or mother\* or mum or mums or parent\* or paternal\* or stepparent\* or ((communicat\* or conversation\* or familiar or interact\* or language or speech) adj2 partner\*) or (significant adj2 (adult\* or relation\*))).ti,ab.

42 (father\* or mother\* or parent\*).hw.

43 or/30,32,34,36,38,40-42

44 (fetal or foetal or fetus or foetus or infant\* or newborn\* or neonat\* or new born\*).ti,ab,hw.

45 (antinat\* or anti nat\* or antipart\* or anti part\* or perinat\* or peri nat\* or postnat\* or post nat\* or prenat\* or pre nat\* or pregnan\*).ti,ab,hw.

46 or/10,18 and (or/28,43-45)

### Question specific terms

Topic	Prediction, identification and assessment
Review question	What familial biological and environmental factors are associated with the development of attachment difficulties in children and young people?

### Embase, Medline, PreMedline, PsycINFO - OVID

1 (factor\* adj5 (associat\* or related)).ab. or ((environmental or biological or risk) adj2 (factor\* or indicator\* or marker\*)).ti,ab,hw. or disease association.sh.

2 ((associated or association\* or causal pathway\* or characteristic\* or correlat\* or development pattern\* or marker\* or manifestation\* or patterns or prediction\* or predictor\* or (variables adj2 related) or prevalence or prospective\* or (factor and (associat\* or related))).ti,ab. or prospective\*.hw,pt.) and ((predictor\* or prevalence or prospective\*).ti,ab. or prospective\*.hw,pt.)

3 ((affect regulation or (attach\* adj2 (abnormal\* or ambivalen\* or anxious\* or avoidant or behavior\* or behaviour\* or diffuse or disinh\* or disorder\*1 or disorgani\* or disorienta\* or disrupt\* or disturb\* or early or inhib\* or insecure\* or interven\* or organi\* or pattern\*1 or problem\*1 or reactive or relation\* or secure or security or style\*1 or theories or theory)) or attuned care or (bonding adj (disorder\* or failure)) or co regulation or coregulation or (compulsive adj2 (compliance or selfrelian\* or self relian\*)) or developmental trauma or (disorgani\* adj2 (caregiv\* or care giv\* or relation\*)) or ((fail\* or reject\* or secur\*) adj2 attach\*) or (insecur\* adj2 (ambivalen\* or attach\* or avoidan\* or disorgani\*)) or (negative intrusive adj2 behav\*) or proximity seeking or psychologically attuned) or ((attach\* adj5 (adolescen\* or baby or babies or boy or boys or child\* or delinquen\* or early adult\* or girl\* or grader\* or infant\* or junior or juvenile\* or

kindergarten\* or minors or neonat\* or newborn\* or new born\* or nursery or nurseries or pediatric\* or paediatr\* or preschool\* or preteen\* or school\* or student\* or teen\* or toddler\* or (young adj2 (adult\* or people\* or patient\* or person\* or population\*)) or youngster\* or youth\* or carer\*1 or caregiver\* or care giver\* or custodian\* or guardian\* or dad or dads or father\* or maternal\* or mother\* or mum or mums or parent\* or paternal\* or stepparent\* or ((communicat\* or conversation\* or familiar or interact\* or language or speech) adj2 partner\*)) or (attach\* and (maternal or mother\* or pregnan\*)) or mother child dyad\*).ti. and ((associated or association\* or causal pathway\* or characteristic\* or correlat\* or development pattern\* or markers or manifestation\* or patterns or prediction\* or predictor\* or (variables adj2 related) or prevalence or prospective\* or (factor and (associat\* or related))).ti. or prospective\*.hw,pt.)

- 4 (((adopt\* or foster\*) adj3 (carer\*1 or caregiver\* or care giver\* or custodian\* or dad or dads or famil\* or father\* or guardian\* or maternal\* or mother\* or mum or mums or parent\* paternal\* or stepparent\*)) or ((adoptive or foster\*) adj (care or home\*)) or ((adopt\* or foster\* or group home\* or (place\* adj2 care) or institution\* or (local authority adj2 care) or looked after\* or out of home care or placement\* or residential) adj3 (adolescen\* or baby or babies or boy or boys or child\* or delinquen\* or early adult\* or girl\* or grader\* or infant\* or junior or juvenile\* or kindergarten\* or minors or neonat\* or newborn\* or new born\* or nursery or nurseries or pediatric\* or paediatr\* or preadolescen\* or preschool\* or preteen\* or school\* or student\* or teen\* or toddler\* or (young adj2 (adult\* or people\* or patient\* or person\* or population\*)) or youngster\* or youth\*)) or (care order\* or care giving environment or (care adj2 (leaver or proceeding\*)) or childrens home or (child\* adj2 (accom\* or care home\* or establishment\* or home\* or institution\*)) or corporate parent\* or unplanned move or edge of\*1 care or (family adj2 friends care) or kinship care or state dependent\*).ti. and ((associated or association\* or causal pathway\* or characteristic\* or correlat\* or development pattern\* or markers or manifestation\* or patterns or prediction\* or predictor\* or (variables adj2 related) or prevalence or prospective\* or (factor and (associat\* or related))).ti. or prospective\*.hw,pt.)
- 5 mental disease/ or mental patient/  
6 5 use emez  
7 mental disorders/ or mentally ill persons/  
8 7 use mesz,psych  
9 exp chronic mental illness/ or mental disorders/  
10 9 use psych  
11 anxiety/ or exp anxiety disorder/ or hyperhidrosis/ or mutism/ or social phobia/  
12 11 use emez  
13 anxiety/ or exp anxiety disorders/ or blushing/ or exp hyperhidrosis/ or mutism/ or phobic disorders/ or shyness/  
14 13 use mesz  
15 anxiety/ or exp anxiety disorders/ or elective mutism/ or social anxiety/ or social phobia/ or sweating/ or timidity/  
16 15 use psych  
17 (body dysmorphic disorder or compulsions or compulsive behavior or obsessive behavior).sh.  
18 panic.sh.  
19 (critical incident stress or emotional trauma or psychological stress or stress,

- psychological or traumatic neurosis).sh.
- 20 exp eating disorder/ use emez or exp eating disorders/ use mesz,psych
- 21 exp mood disorder/ use emez
- 22 depression/ or exp mood disorders/ use mesz
- 23 exp affective disorders/ use psych
- 24 "explode schizophrenia"/ or (psychosis\* or psychotic\*).hw.
- 25 24 use emez
- 26 exp psychotic disorders/ or exp schizophrenia/ or "schizophrenia and disorders with psychotic features"/
- 27 26 use mesz
- 28 exp psychosis/ or exp schizophrenia/
- 29 28 use psych
- 30 exp personality disorder/ use emez
- 31 exp personality disorders/ use mesz
- 32 borderline states/ or exp personality disorders/
- 33 32 use psych
- 34 exp alcohol abuse/ or exp drug dependence/ or exp drug abuse/ or exp "smoking and smoking related phenomena"/ or substance abuse/
- 35 34 use emez
- 36 drug seeking behavior/ or exp smoking/ or exp substance-related disorders/
- 37 36 use mesz
- 38 addiction/ or exp drug abuse/ or drug overdoses/ or sobriety/ or exp tobacco smoking/
- 39 38 use psych
- 40 (alcoholi\* or (alcohol\* and (abstinence or detoxification or intoxicat\* or rehabilit\* or withdraw\*)))id,hw.
- 41 (attention deficit\* or attention disturbance or disruptive behavior).sh.
- 42 conduct disorder/ or "oppositional defiant disorder"/
- 43 42 use emez
- 44 child behavior disorders/ or conduct disorder/
- 45 44 use mesz
- 46 exp behavior problems/ or conduct disorder/ or "oppositional defiant disorder"/
- 47 46 use psych
- (((mental\* or psychologic\*) adj2 (deficien\* or disease\* or disorder\* or disturbance\* or dysfunction\* or health or illness\* or problem\*)) or (anxiet\* or anxious\* or ((chronic\* or excessiv\* or intens\* or (long\* adj2 last\*) or neuros\* or neurotic\* or ongoing or persist\* or serious\* or sever\* or uncontrol\* or un control\* or unrelent\* or un relent\*) adj2 worry)) or (body dysmorphic disorder or compulsions or compulsive behav\* or obsessive behavior or (body dysmorphi\* or clean\* response\* or compulsion\* or dysmorphophobi\* or imagine\* ugl\* or obsession or obsessional or obsessions or obsessive compulsive or obsess\* ruminat\* or ocd or osteochondr\* or recurr\* thought\* or scrupulosity or ((arrang\* or check\* or clean\* or count\* or hoard\* or order\* or repeat\* or symmetr\* or wash\*) adj compulsi\*)) or (panic or panic\*)) adj7 (carer\*1 or caregiver\* or care giver\* or custodian\* or famil\* or guardian\* or dad or dads or father\* or maternal\* or mother\* or mum or

mums or parent\* or paternal\* or stepparent\* or ((communicat\* or conversation\* or familiar or interact\* or language or speech) adj2 partner\*) or (significant adj2 (adult\* or relation\*))).ti,ab.

((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 tokophobi\* or trypanophob\* or xenophob\* or ((acute\* or chronic\* or extreme\* or intens\* or irrational\* or persistent\* or serious\*) adj2 fear\*) or (fear\* adj4 (air 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 dog\*1 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\* or (((anxiet\* or anxious\* or phobia\* or phobic\*) adj2 (performance or social\*)) or anthropophobi\* or socioanxi\* or sociophobi\* or ((blush\* or sweat\* or trembl\*) adj3 (anxiet\* or anxious\* or chronic\* or excessiv\* or fear\* or severe)) or ((interpersonal or inter personal or social\* or socio\*) adj2 (aversion\* or aversiv\* or confiden\* or difficult\* or disorder\* or distress\* or fear\*)) or hyperhydrosis or hyperperspirat\* or (hyper adj (hydrosis or perspirat\*)) or 49 ((mute\* or mutism) adj2 (elective\* or selective\*)) or ((negative evaluation or speak\*) adj3 (anxiet\* or anxious\* or distress\* or fear\*)) or paruresis or (((personalit\* or phobi\* or social\* or socio\*) adj2 avoid\*) or avoidant disorder) or ((phobi\* or social) adj2 neuros\*) or phobic disorder\* or (shy or shyness) or specific phobia\*))).ti,ab,id. or ((critical incident stress or emotional trauma or psychological stress or stress, psychological or traumatic neurosis).sh. or (acute stress or asd or combat neuros\* or combat syndrome or concentration camp syndrome or desnos or ((extreme or psycho\*) adj (stress\* or trauma\*)) or flash back\* or flashback\* or hypervigilan\* or hypervigilen\* or posttrauma\* or post trauma\* or ptsd or railway spine or (rape adj2 trauma\*) or re experienc\* or reexperienc\* or stress disorder\* or torture syndrome or (traumatic adj (neuros\* or stress)) or (trauma\* and (avoidance or birth\* or death\* or emotion\* or grief or horror or nightmare\* or night mare\*))).ti,ab,id.) adj7 (carer\*1 or caregiver\* or care giver\* or custodian\* or famil\* or guardian\* or dad or dads or father\* or maternal\* or mother\* or mum or mums or parent\* or paternal\* or stepparent\* or ((communicat\* or conversation\* or familiar or interact\* or language or speech) adj2 partner\*) or (significant adj2 (adult\* or relation\*))).ti,ab.

((anorexi\* or bing\* or bulimi\* or (compulsive adj2 (eat\* or vomit\*)) or (eating adj2 disorder\*) or ednos or ((forced or self induc\* or selfinduc\*) adj2 (purg\* or vomit\*)) or hyperorexia or over eat\* or overeat\* or (restrict\* adj2 eat\*) or ((affective or mood) adj (disorder\* or disturbance\* or dysfunction\*)) or (cyclothym\* or depres\* or dysthym\* or (low adj2 mood) or melanchol\* or seasonal affective disorder\*) or (((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. or ((akathisi\* or hebephreni\* or (neuroleptic\* and ((malignant and syndrome) or (movement adj2 disorder))) or oligophreni\* or psychotic\* or psychoses or psychosis 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.) or (((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. or (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.) adj7 (carer\*1 or caregiver\* or care giver\* or custodian\* or famil\* or guardian\* or dad or dads or father\* or maternal\* or mother\* or mum or mums or parent\* or paternal\* or stepparent\* or ((communicat\* or conversation\* or familiar or interact\* or language or speech) adj2 partner\*) or (significant adj2 (adult\* or relation\*))).ti,ab.
- ((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\*) or (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 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. or (cannabis or cocaine or hashish or heroin or marihuana or marijua\* 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 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. or (adhd or addh or ad hd or ((adult\* or child\*) adj2 add\*1) or (attenti\* adj3 deficit\*) or hyperactiv\* or (hyper adj1 activ\*) or hyperkin\* or hyper kin\* or hkd or minimal brain or (brain dysfunction and (ritalin or methylphenidate)) or ((child\* or adult\*) adj3 (disrupt\* or attention\* or inattent\* or impulsiv\* or overactiv\*))).ti,ab. or ((child\* adj3 (behav\* or conduct\*)) or (conduct\* adj2 (defian\* or difficult\* or disorder\* or disturb\* or problem\*)) or (oppositional adj3 (defiant\* or disorder\*))).ti,ab. or (behav\* adj2 (agnostic or challeng\* or dangerous or destructive or difficult\* or disorder\* or disrupt\* or disturb\* or externali\* or problem\*) adj5 (adolescen\* or boy\*1 or child\* or delinquen\* or girl\*1 or graders or infant\* or junior\*1 or juvenile\* or kindergarten or minors or paediatric\* or pediatric\* or preadolescen\* or preschool\* or preteen\* or school\* or teen\* or toddler\* or (young\* adj (people or person\* or patient\* or population\*)) or youngster\* or youth\*1)).ti,ab.) adj7 (carer\*1 or caregiver\* or care giver\* or custodian\* or famil\* or guardian\* or dad or dads or father\* or maternal\* or mother\* or mum or mums or parent\* or paternal\* or stepparent\* or ((communicat\* or conversation\* or familiar or interact\* or language or speech) adj2 partner\*) or (significant adj2 (adult\* or relation\*))).ti,ab.
- 51 or/6,8,10,12,14,16-23,25,27,29,30-31,33,35,37,39-41,43,45,47-51
- 52 exp child abuse/ use emez,mesz,psych or child neglect/ use psych
- 53 ((abus\* or maltreat\* or neglect\*) adj7 (carer\*1 or caregiver\* or care giver\* or custodian\* or famil\* or guardian\* or dad or dads or father\* or maternal\* or mother\* or mum or mums or parent\* or paternal\* or stepparent\* or ((communicat\* or conversation\* or familiar or interact\* or language or speech) adj2 partner\*) or (significant adj2 (adult\* or relation\*)) or (adolescen\* or baby or babies or boy or boys or child\* or delinquen\* or early adult\* or girl\* or grader\* or infant\* or junior or juvenile\* or kindergarten\* or minors or neonat\* or newborn\* or new born\* or nursery or nurseries or pediatric\* or paediatr\* or play therap\* or preadolescen\* or pre adolescen\* or preschool\* or preteen\* or school\* or student\* or teen\* of toddler\* or (young adj2 (adult\* or people\* or patient\* or person\* or population\*)) or youngster\* or youth\*))).ti,ab.
- 54

- 55 or/53-54  
developmental disorder/ or exp learning disorder/ or sensory dysfunction/ or exp
- 56 hearing disorder/ or exp intellectual impairment/ or exp language disability/ or exp  
speech disorder/
- 57 56 use emez
- 58 developmental disabilities/ or exp disabled persons/ or exp hearing disorders/ or exp  
intellectual disability/ or exp language disorders/ or exp learning disorders/
- 59 58 use mesz  
exp disabilities/ or hearing disorders/ or exp intellectual development disorder/ or
- 60 "intellectual development disorder (attitudes toward)"/ or language disorders/ or exp  
learning disorders/ or speech disorders/
- 61 60 use psych
- 62 autism/ or asperger syndrome/
- 63 62 use emez
- 64 autistic disorder/ or asperger syndrome/
- 65 64 use mesz
- 66 autism/ or aspergers syndrome/
- 67 66 use psych  
(((intellect\* adj3 (deficien\* or difficult\* or disab\* or disorder\* or impair\* or handicap\* or  
incapacit\* or handicap\* or subnorm\* or sub\*1 average or sub\*1 average or sub\*1 norm\*))  
or (low\*2 adj2 intellect\*) or (learning adj3 (deficien\* or difficult\* or disab\* or disorder\* or  
handicap\* or impair\* or incapacit\* or handicap\* or subnorm\* or sub\*1 average or sub\*1  
average or sub\*1 norm\*)) or (mental\* adj3 (deficien\* or disab\* or handicap\* or impair\* or  
handicap\* or incapacit\* or retard\* or subnorm\* or sub\*1 average or sub\*1 average or  
sub\*1 norm\*)) or ((subaverage or sub\*1 average or subnormal or sub\*1 normal\*) adj3  
(cognit\* or intel\*)) or ((development\* or neurodevelopment\*) adj disab\*) or (cretin\* or  
68 feeble-minded\* or imbecil\* or moron\*) or handicap\* or (down\*1 adj (disease or  
syndrome\*)) or (autis\* or asperger\* or pervasive developmen\* disorder\* or rett\*1) or  
((communicative adj2 impair\*) or ((complex or high support) adj3 needs) or ((language  
or speech) adj2 (delay\* or disorder\*)))) adj7 (adolescen\* or baby or babies or boy or boys  
or child\* or delinquen\* or early adult\* or girl\* or grader\* or infant\* or junior or juvenile\*  
or kindergarten\* or minors or neonat\* or newborn\* or new born\* or nursery or nurseries  
or pediatric\* or paediatr\* or play therap\* or preadolescen\* or pre adolescen\* or  
preschool\* or preteen\* or school\* or student\* or teen\* of toddler\* or (young adj2 (adult\*  
or people\* or patient\* or person\* or population\*)) or youngster\* or youth\*).ti,ab.
- 69 or/57,59,61,63,65,67-68
- 70 adolescent pregnancy/ or exp adolescent parent/
- 71 71 use emez
- 72 pregnancy in adolescence/
- 73 73 use mesz
- 74 adolescent mothers/ or adolescent fathers/ or adolescent mothers/ or adolescent  
pregnancy/
- 75 74 use psych
- 76 ((adolescen\* or school\* or teen\* or (young adj (adult\* or person\*))) adj3 (father\* or  
maternal or mother\* or parent\* or paternal or pregnan\*).tw.
- 77 ((at risk or disadvantage\* or high\* risk) adj3 (group\* or adolescen\* or baby or babies or

boy or boys or child\* or delinquent\* or early adult\* or girl\* or grader\* or infant\* or junior or juvenile\* or kindergarten\* or minors or neonat\* or newborn\* or new born\* or nursery or nurseries or pediatric\* or paediatr\* or play therap\* or preadolescen\* or preschool\* or preteen\* or school\* or student\* or teen\* of toddler\* or (young adj2 (adult\* or people\* or patient\* or person\* or population\*)) or youngster\* or youth\* or carer\*1 or caregiver\* or care giver\* or custodian\* or guardian\* or dad or dads or famil\* or father\* or maternal\* or mother\* or mum or mums or parent\* or paternal\* or stepparent\* or ((communicat\* or conversation\* or familiar or interact\* or language or speech) adj2 partner\*) or (significant adj2 (adult\* or relation\*)) or women)).ti,ab.

78 or/71,73,75-77

battered woman/ or divorce/ or divorced parent/ or divorced person/ or domestic violence/ or dysfunctional family/ or family conflict/ or family therapy/ or marital therapy/ or marriage counseling/ or maternal deprivation/ or exp partner violence/ or paternal deprivation/

79  
80 79 use emez

battered women/ or divorce/ or domestic violence/ or family conflict/ or family therapy/ or marital therapy/ or maternal deprivation/ or spouse abuse/ or paternal deprivation/

81  
82 81 use mesz

battered females/ or divorced parents/ or domestic violence/ or dysfunctional family/ or family conflict/ or family intervention/ or family relations/ or exp family therapy/ or marital conflict/ or exp marital relations/ or exp marital separation/ or mediation/ or exp partner abuse/

83  
84 83 use psych

((couples or domestic or husband\* or marital or marriage\* or partner\* or wife\* or wives\*) adj3 (abus\* or adjust\* or conflict\* or counsel\* or disatisf\* or discord\* or disharmon\* or distress\* or dysfunction\* or fight\* or functioning or instable or instabilit\* or intervention\* or problem\* or psychotherap\* or relation\* or separat\* or terminat\* or therap\* or violen\*)) or divorce\* or (batter\* adj2 (female\* or wife or woman\* or women))).tw.

85  
86 or/80,82,84-85

"at risk populations"/ or cultural deprivation/ or cultural factor/ or high risk population/ or homelessness/ or income/ or lowest income group/ or maternal deprivation/ or parental deprivation/ or poverty/ or social aspect/ or social background/ or social class/ or social isolation/ or social status/ or unemployment/

87  
88 87 use emez

cultural deprivation/ or exp homeless persons/ or income/ or maternal deprivation/ or paternal deprivation/ or exp poverty/ or social class/ or social isolation/ or socioeconomic factors/ or unemployment/ or vulnerable populations/

89  
90 89 use mesz

"at risk populations"/ or cultural deprivation/ or deprivation/ or disadvantaged/ or family socioeconomic level/ or financial strain/ or exp homeless/ or income level/ or lower class/ or lower income level/ or poverty/ or poverty areas/ or social class/ or exp social deprivation/ or sociocultural factors/ or socioeconomic status/ or "susceptibility (disorders)"/ or unemployment/

91  
92 91 use psych

((deprivation or deprived or disadvantaged or homeless\* or not\*1 in\*1 work or out\*1

of\*1 work or povert\* or social adversit\* or social class or social welfare or socioeconomic\* or socio economic\* or tax credit\* or ((temporary or public) adj assistance) or underpriv\* or unemploy\* or un employ\* or vulnerable or ((economic or psychosocial or social or socio\*) adj2 disadvantage) or ((disadvantage\* or hardship\* or low\* or reduced or small\* or strain\*) adj2 (economic\* or financ\* or income\* or monetary or money or socio\*)) or (poor\* adj2 (father\* or famil\* or mother\* or people or person\* or population\*)) or ((cash or budget\* or economic\* or fiscal\* or money\* or monetary or charit\* or domogrant\* or social\* or psychosocial\* or welfare) adj3 (assist\* or benefits or dependen\* or help\* or support\*))) .ti,ab. or disadvantage.ti.) adj7 (group\* or adolescen\* or baby or babies or boy or boys or child\* or delinquen\* or early adult\* or girl\* or grader\* or infant\* or junior or juvenile\* or kindergarten\* or minors or neonat\* or newborn\* or new born\* or nursery or nurseries or pediatric\* or paediatr\* or play therap\* or preadolescenc\* or pre adolescen\* or preschool\* or preteen\* or school\* or student\* or teen\* of toddler\* or (young adj2 (adult\* or people\* or patient\* or person\* or population\*)) or youngster\* or youth\* or carer\*1 or caregiver\* or care giver\* or custodian\* or guardian\* or dad or dads or famil\* or father\* or maternal\* or mother\* or mum or mums or parent\* or paternal\* or stepparent\* or ((communicat\* or conversation\* or familiar or interact\* or language or speech) adj2 partner\*) or (significant adj2 (adult\* or relation\*)) or women).ti,ab.

94 or/88,90,92-93

95 prison/ or prisoner/

96 95 use emez

97 prisons/ or prisoners/

98 97 use mesz

99 correctional institutions/ or prisons/ or prisoners/

100 99 use psych

101 ((convict\*1 or custody or felon\* or imprison\* or gaol\* or jail\* or penitentiary\* or prison\* or ((correctional or penal) adj2 (facilit\* or institution\*))) adj7 (carer\*1 or caregiver\* or care giver\* or custodian\* or famil\* or guardian\* or dad or dads or father\* or maternal\* or mother\* or mum or mums or parent\* or paternal\* or stepparent\* or ((communicat\* or conversation\* or familiar or interact\* or language or speech) adj2 partner\*) or (significant adj2 (adult\* or relation\*)))) .ti,ab.

102 or/96,98,100-101

103 fear.sh.

104 ((fear\* or frighten\* or scary or scare\*) adj3 (carer\*1 or caregiver\* or care giver\* or custodian\* or famil\* or guardian\* or dad or dads or father\* or maternal\* or mother\* or mum or mums or parent\* or paternal\* or stepparent\* or ((communicat\* or conversation\* or familiar or interact\* or language or speech) adj2 partner\*) or (significant adj2 (adult\* or relation\*)))) .ti,ab.

105 or/103-104

106 bereavement/ or death/ or divorce/ or grief/ or life change events/ or maternal death/ or parental death/

107 106 use emez

108 "death and dying"/ or early experience/ or emotional trauma/ or grief/ or parental death/ or "trauma"/

109 108 use mesz

110 (((experience\* or (life adj2 event\*)) and (abus\* or death\* or divorce\* or dying\* or loss\* or



- losing\* or separat\*) or (bereavement\* and (mother\* or father\* or parent\*))) .hw.  
 (((child\* or early) adj5 (abus\* or death\* or divorce\* or dying\* or loss\* or losing\* or  
 separat\* or trauma\*)) or (child\* and (experience\* or histor\*) and (abus\* or death\* or  
 111 divorce\* or dying\* or separation\* or trauma\*)) or (child\* and (life adj2 event\*)) or trauma  
 history or unresolved trauma\* or ((acute\* or father\* or mother\* or parent\*) adj2 (death\*  
 or divorce\* or dying or loss\* or losing or separat\*))) .tw.
- 112 or/107,109-111  
 ((alumni or experience\* or former\* or had\*1 been or histor\* or long term or received or  
 spent time) adj10 (adopt\* or foster\* or group home\* or insitutionali\* or placement\*) adj10  
 113 (adult\* or carer\*1 or caregiver\* or care giver\* or custodian\* or guardian\* or dad or dads  
 or father\* or individuals or mother\* or mum or mums or parent\* or patient\* or people or  
 stepparent\*)) .ti,ab,hw.  
 ((adopt\* or foster\* or group home\* or insitutionali\* or placement\*) adj10 (adult\* or  
 carer\*1 or caregiver\* or care giver\* or custodian\* or guardian\* or dad or dads or father\*  
 114 or individuals or mother\* or mum or mums or parent\* or people or patient\* or  
 stepparent\*) adj10 ((adult adj2 development) or young adulthood or life course or life  
 span or transition\*)) .ti,ab,hw.
- 115 or/113-114  
 carrier protein/ or dna polymorphism/ or dopamine 2 receptor/ or dopamine receptor/  
 116 or dopamine 4 receptor/ or genetic association/ or genetic polymorphism/ or  
 genotype/ or membrane protein/ or promoter region/ or serotonin transporter/  
 117 116 use emez  
 "genetic predisposition to disease"/ or genotype/ or membrane glycoproteins/ or  
 118 membrane transport proteins/ or polymorphism, genetic/ or promoter regions, genetic/  
 or receptors, dopamine/ or receptors, dopamine d2/ or receptors, dopamine 4/ or  
 serotonin plasma membrane transport proteins/  
 119 118 use mesz  
 120 dopamine/ or genetic linkage/ or genotypes/ or polymorphism/  
 121 120 use psyh  
 122 (drd4 or ((dopamine or d4) adj receptor) or g protein coupled receptor\*) .tw.  
 123 (((il or interleukin or inter leukin) adj2 "521") or (promoter adj (polymorphism or poly  
 morphism or region\*)) or ((polymorphism\* or poly morphism) adj2 "521")) .tw.  
 124 (((carrier\* or transport\*) adj2 protein\*) or (serotonin adj2 (carrier\* or transport\*)) or 5htt  
 or 5 htt or 5httlpo or 5 htllpo or sert or sertpr) .tw.  
 125 (or/117,119,121-124) or (genetic or gene\*1 or genotype\*) .ti. or ((biologic\* or genetic) adj5  
 (associat\* or characteristic\* or correlat\* or factor\* or influen\* or predict\*)) .ti,ab.  
 ((affect regulation or attach\* or attuned care or (bonding adj (disorder\* or failure)) or co  
 regulation or coregulation or (compulsive adj2 (compliance or selfrelian\* or self relian\*))  
 or developmental trauma or (disorgani\* adj2 (caregiv\* or care giv\* or relation\*)) or  
 (insecur\* adj2 (ambivalen\* or attach\* or avoidan\* or disorgani\*)) or (negative intrusive  
 126 adj2 behav\*) or proximity seeking or psychologically attuned) adj5 (associated or  
 association\* or causal pathway\* or characteristic\* or correlat\* or development pattern\* or  
 markers or manifestation\* or patterns or prediction\* or predictor\* or (variables adj2  
 related) or prevalence or prospective\* or (factor and (associat\* or related)))) .ti,ab. and  
 ((prediction or prevalen\* or prospective\*) .ti,ab. or prospective\* .hw,pt.)  
 127 ((adopt\* or foster\* or group home\* or (place\* adj2 care) or institution\* or looked after\* or  
 placement\* or residential or care order\* or care giving environment or (care adj2 (leaver

or proceeding\*) or (child\* adj2 (accom\* or care home\* or establishment\* or home\*)) or corporate parent\* or unplanned move or edge of\*1 care or (family adj2 friends care) or state dependent\*) adj5 (associated or association\* or causal pathway\* or characteristic\* or correlat\* or development pattern\* or markers or manifestation\* or patterns or prediction\* or predictor\* or (variables adj2 related) or prevalence or prospective\* or (factor and (associat\* or related))))).ti,ab. and ((prediction or prevalen\* or prospective\*).ti,ab. or prospective\*.hw,pt.)

((associated or association\* or causal pathway\* or characteristic\* or correlat\* or development pattern\* or markers or manifestation\* or patterns or prediction\* or predictor\* or (variables adj2 related) or prevalence or prospective\* or (factor and (associat\* or related))))).ti. or prospective\*.hw,pt.) and ((predictor\* or prevalence or prospective\*).ti,ab. or prospective\*.hw,pt.)

129 or/126-128

130 or/1-4,55,69,78,86,94,105,125,129 or (or/102,112,52,115 and [parent terms from root])

Topic	Prediction, identification and assessment
<b>Review question</b>	What <u>process features</u> for taking children and young people into local authority care are associated with an increased or decreased <u>risk</u> of developing or worsening attachment difficulties?
<b>Review question</b>	What features of arrangements made for children and young people in each looked-after setting (residential, fostering, kinship care, adoption), secure and education setting are associated with an increase or decrease in the risk of developing or worsening attachment difficulties?

Embase, Medline, PreMedline, PsycINFO - OVID

- 1 exp siblings/ use psych or sibling\*.sh. or (brother\* or sister\* or sibling\*).ti,ab.
- 2 foster care/ use emez
- 3 foster home care/ use mesz
- 4 foster care/ or foster children/
- 5 4 use psych
- 6 caregiver/ or exp child parent relation/ or maternal behavior/ or exp parent/ or exp parental behavior/ or exp family therapy/ or parenting education/
- 7 6 use emez
- 8 caregivers/ or maternal behavior/ or exp parent-child relations/ or exp parenting/ or exp parents/ or paternal behavior/ or exp family therapy/
- 9 8 use mesz
- caregivers/ or exp parent child communication/ or exp parent child relations/ or
- 10 parental involvement/ or exp parenting/ or exp parents/ or exp family therapy/ or parent training/ or parenting skills/
- 11 10 use psych
- 12 (fostering or fostered or (foster\* adj3 (care\* or caregiver\* or care giv\* or custodian\* or dad or dads or famil\* or father\* or grandparent\* or guardian\* or maternal\* or mother\* or

- mum\* or mums\* or parent\* stepparent\* or step parent\*) or ((nonparental or non parental) adj care)).ti,ab.
- 13 ((or/2,3,5) and (or/7,9,11)) or 12 or foster parents.sh.
- 14 (course\* or curriculum or educat\* or formal program\* or instruct\* or learn\* or lectur\* or mentor\* or taught\* or teach\* or train\*).ti,ab,hw.
- 15 13 and 14
- 16 foster care/ed use emez or foster home care/ed use mesz
- 17 15 or 16
- ((foster adj6 (care or (family adj3 based) or medical or special\* or therapeutic or treatment)) or (foster\* adj3 (adolescen\* or baby or babies or boy or boys or child\* or delinquen\* or early adult\* or girl\* or grader\* or infant\* or junior or juvenile\* or kindergarten\* or minors or neonat\* or newborn\* or new born\* or nursery or nurseries or pediatric\* or paediatr\* or preadolescen\* or pre adolescen\* or preschool\* or preteen\* or school\* or student\* or teen\* or toddler\* or (young adj2 (adult\* or people\* or patient\* or person\* or population\*))) or youngster\* or youth\* or carer\*1 or caregiver\* or care giver\* or custodian\* or guardian\* or dad or dads or father\* or maternal\* or mother\* or mum or mums or parent\* or paternal\* or stepparent\*)) or (foster\* adj3 (carer\*1 or caregiver\* or care giver\* or custodian\* or dad or dads or famil\* or father\* or guardian\* or maternal\* or mother\* or mum or mums or parent\* or paternal\* or stepparent\*)) or family based residential treatment).ti,ab.
- (carer\* or caregiver\* or care giv\* or custodian\* or dad or dads or famil\* or father\* or grandparent\* or guardian\* or maternal\* or mother\* or mum\* or mums\* or parent\* stepparent\* or step parent\* or nonparental care).ti,ab.
- 19
- 20 14 and 18 and 19
- 21 17 or 20
- acute stress disorder/ or bereavement/ or death/ or divorce/ or grief/ or life change
- 22 events/ or maternal death/ or parental death/ or posttraumatic stress disorder/ or psychotrauma/
- 23 22 use emez
- 24 "death and dying"/ or early experience/ or emotional trauma/ or grief/ or parental death/ or exp stress disorders, traumatic/ or trauma/
- 25 24 use mesz
- acute stress disorder/ or bereavement/ or birth trauma/ or "death and dying"/ or
- 26 divorce/ or emotional trauma/ or grief/ or life experiences/ or posttraumatic stress disorder/ or trauma/ or traumatic neurosis/
- 27 26 use psyh
- 28 (critical incident stress or psychological stress or stress, psychological).sh.
- ((experience\* or history\* or (life adj2 event\*)) and (abus\* or death\* or divorce\* or dying\* or loss\* or losing\* or maltreat\* or separat\*)) or (bereavement\* and (maternal\* or mother\* or father\* or parent\*))).hw.
- 29
- ((child\* or early or mother\* or maternal\* or paternal\* or parent\*) adj5 (abus\* or death\* or divorce\* or dying\* or loss\* or losing\* or separat\*)) or ((child\* or early or mother\* or maternal\* or paternal\* or parent\*) and (experience\* or histor\* or unresolved) and (abus\* or death\* or divorce\* or dying\* or loss\* or losing\* or separation\*)) or ((child\* or early or mother\* or maternal\* or paternal\* or parent\*) and (life adj2 event\*)) or ((acute\* or father\* or maternal or mother\* or parent\*) adj2 (absence or death\* or divorce\* or dying or loss\*
- 30

- or losing or separat\*) or loss reaction\* or psychotrauma\* or trauma\*).tw.  
 (acute stress or asd or ((extreme or psycho\*) adj (stress\* or trauma\*)) or flash back\* or  
 flashback\* or hypervigilan\* or hypervigilen\* or posttrauma\* or post trauma\* or ptsd or  
 31 (rape adj2 trauma\*) or re experienc\* or reexperienc\* or stress disorder\* or (traumatic adj  
 (neuros\* or stress)) or (trauma\* and (avoidance or birth\* or death\* or emotion\* or grief or  
 horror or nightmare\* or night mare\*))).ti,ab,id.
- 32 or/23,25,27-31
- 33 (acculturation or cultur\* or ethnic\* or ethnolog\* or race difference or sociocultur\*).hw.  
 (acculturation or ((cultur\* or ethnic\* or ethnol\* or faith\* or language or linguistic or  
 34 multicultur\* or race or races or religio\*) adj10 (affiliat\* or conform\* or correspond\* or  
 counterpart\* or harmony or harmonious or match\* or origin\* or resembl\* or  
 similar\*))).ti,ab.  
 ((affiliat\* or conform\* or correspond\* or counterpart\* or harmony or harmonious or  
 match\* or origin\* or resembl\* or similar\* or values or worldview\*) adj10 (carer\* or  
 caregiver\* or care giv\* or counselor\* or counsellor\* or or custodian\* or dad or dads or  
 doctor\* or famil\* or father\* or grandparent\* or grand parent\* or guardian\* or maternal\*  
 or mother\* or mum or mums or parent\* or physician\* or stepparent\* or step parent\* or  
 35 therapist\*) adj10 (adolescen\* or baby or babies or boy or boys or child\* or client\* or  
 delinquen\* or early adult\* or girl\* or grader\* or infant\* or junior or juvenile\* or  
 kindergarten\* or minors or neonat\* or newborn\* or new born\* or nursery or nurseries or  
 patient\* or pediatric\* or paediatr\* or preadolescenc\* or pre adolescen\* or preschool\* or  
 preteen\* or school\* or student\* or teen\* or toddler\* or (young adj2 (adult\* or people\* or  
 patient\* or person\* or population\*)) or youngster\* or youth\*))).ti,ab.
- 36 parent budd\*.ti,ab.
- 37 or/33-36
- 38 "\*attitude to health"/ or consumer/ or consumer attitude/ or \*health care quality/ or  
 patient attitude/ or \*patient compliance/ or patient preference/ or patient satisfaction/  
 39 38 use emez  
 \*attitude to health/ or comprehensive health care/ or exp consumer participation/ or  
 40 exp consumer satisfaction/ or "patient acceptance of health care"/ or patient care  
 management/ or patient centered care/ or exp patient compliance/ or "quality of health  
 care"/
- 41 40 use mesz  
 exp client attitudes/ or client satisfaction/ or exp health attitudes/ or client centered  
 42 therapy/ or exp consumer attitudes/ or exp patient attitude/ or patient satisfaction/ or  
 "quality of care"/ or treatment compliance/
- 43 42 use psych
- 45 child attitudes/ use psych
- 46 ((consumer or patient) adj2 (focus\* or centered or centred)).ti,ab.  
 ((\*adolescenc\* or child\* or grader\* or juvenile\* or pupil\* or school\* or sibling\* or student\*  
 or teen\* or toddler\* or youngster\* or (young adj2 (adult\* or people or person\* or  
 population\*)) or youth\* or youngster\* or user\*) adj3 (account\* or anxieties or atisfact\* or  
 47 attitude\* or barriers or belief\* or buyin or buy in\*1 or challeng\* or choice\* or cooperat\* or  
 co operat\* or expectation\* or experienc\* or feedback or feeling\* or idea\* or inform\* or  
 impact\* or involv\* or needs or opinion\* or participat\* or perceive\* or (perception\* not  
 speech perception) or perspective\* or preferen\* or prepar\* or priorit\* or relationships or  
 satisf\* or understanding or view\* or voices or worry)).ti,ab. or recollection\*.ti.

- 48 ((interview\* or questionnaire\*) and (account\* or anxieties or atisfact\* or attitude\* or barriers or belief\* or buyin or buy in\*1 or challeng\* or choice\* or cooperat\* or co operat\* or expectation\* or experienc\* or feedback or feeling\* or idea\* or inform\* or impact\* or involv\* or needs or opinion\* or participat\* or perceive\* or (perception\* not speech perception) or perspective\* or preferen\* or prepar\* or priorit\* or relationships or satisf\* or understanding or view\* or voices or wish or wishes or worry)).ti,ab.
- 49 or/39,41,43-48
- 50 age distribution/ use emez
- 51 age factors/ use mesz
- 52 age differences/ use psyh or family relations/ use psyh
- 53 ((placed\* or placement\*) adj10 (adopt\* or foster\*) adj10 (year of life or age\*)).ti,ab.  
 ((adopt\* or foster\* or place\*) adj10 older\* adj10 (adolescen\* or age or child\* or grader\* or group\* or juvenile\* or pupil\* or school\* or sibling\* or student\* or teen\* or toddler\* or youngster\* or (young adj2 (adult\* or people or person\* or population\*)) or youth\* or youngster\*)).ti,ab.
- 54 ((older\* adj2 (placed\* or placement\*)) or (((age or year of\*1 life) adj3 (adopt\* or foster\* or place\*)) or ((adopt\* or foster\* or place\*) adj3 (age or year of\*1 life))) or (new adj (adopt\* or carer\* or caregiver\*)) or ((join or new) adj famil\*) or (risk\* adj2 (placed or placement\*)) or (reject\* adj3 histor\*) or ((adopt\* or attachment or foster\* or residential) adj2 histor\*) or placement transfer\*).ti,ab.
- 55 or/50-55
- 56 geography/ use emez,mesz,psyh
- 57 demography/ use emez
- 59 communication barriers/ or demographic characteristics/
- 60 59 use psyh
- 61 (geograph\* adj3 (distanc\* or proximit\*)).ti,ab.  
 ((barrier\* or closeness or communication or contact\* or distance\* or geographic\* or letter\* or meeting\* or nearness or phone call\* or proximit\* or stay\* or visit\*) adj3 (grandparent\* or grand parent\* or famil\* or father\* or mother\* or parent\* or resources or sibling\*)).ti,ab.
- 62 ((barrier\* or closeness or communication or contact\* or distance\* or geographic\* or letter\* or meeting\* or nearness or phone call\* or proximit\* or stay\* or visit\*) adj10 (adolescen\* or age or child\* or grader\* or group\* or juvenile\* or pupil\* or school\* or sibling\* or student\* or teen\* or toddler\* or youngster\* or (young adj2 (adult\* or people or person\* or population\*)) or youth\* or youngster\*) adj10 (grandparent\* or grand parent\* or famil\* or father\* or mother\* or parent\* or resources or sibling\*)).ti,ab.
- 63 (((direct or indirect) adj contact\*) or family ties or face to face contact or maintaining links or parental access).ti,ab.
- 64 or/57,58,60-64
- 65 ((level\* adj2 contact\*) or (contact\* adj3 (famil\* or father\* or maternal\* or mother\* or parent\* or paternal\*))).ti,ab.
- 66 continuity of patient care/ or "length of stay"/ use emez
- 67 "continuity of patient care"/ use mesz
- 69 "continuum of care"/ use psyh
- 70 ((consistency or continuum or continuit\* or continuous or continuation\* or discontinuous or duration) adj3 (adopt\* or care\* or carer\* or councilor\* or councillor\* or

- custodian\* or doctor\* or famil\* or foster\* or guardian\* or healthcare\* or physician\* or placed or placement\* or school\* or stay or teacher\* or therap\* or treatment\* or worker\* or visitor\*)).ti,ab.
- 71 ((familiar\* or same) adj3 (adopt\* or care\* or carer\* or councilor\* or councillor\* or custodian\* or doctor\* or famil\* or foster\* or guardian\* or healthcare\* or physician\* or placed or placement\* or school\* or stay or teacher\* or therap\* or treatment\* or worker\* or visitor\*)).ti,ab.
- 72 or/66-71
- 73 "length of stay"/ use mesz or treatment duration.sh.
- 74 (((duration or extended or length or long\* term or month\* or year\* or exit\*) adj2 (care or stay\* or treatment\* or foster\* or institutional\* or out\*1 of\*1 care or out\*1 of\*1 home care) or permanency or (place\* adj3 (movement\* or trajector\*)) or reentry or re entry or reunification or re unification).ti,ab.
- 75 or/73-74
- 76 social work/ use mesz,psych
- 77 social workers/ use psych
- 78 (carework\* or care work\* or casework\* or case work\* or child welfare or ((community or health) adj work\*) or ((healthcare or health care) adj work\*) or (social adj2 (care\* or support\* or work\*)) or welfare work\*).ti,ab.
- 79 or/76-78
- 80 (adopt\* and ((foster adj6 (care or (family adj3 based) or medical or special\* or therapeutic or treatment)) or fostering or fostered or (foster\* adj3 (adolescen\* or baby or babies or boy or boys or child\* or delinquen\* or early adult\* or girl\* or grader\* or infant\* or junior or juvenile\* or kindergarten\* or minors or neonat\* or newborn\* or new born\* or nursery or nurseries or pediatric\* or paediatr\* or preadolescen\* or pre adolescen\* or preschool\* or preteen\* or school\* or student\* or teen\* or toddler\* or (young adj2 (adult\* or people\* or patient\* or person\* or population\*)) or youngster\* or youth\* or carer\*1 or caregiver\* or care giver\* or custodian\* or guardian\* or dad or dads or father\* or maternal\* or mother\* or mum or mums or parent\* or paternal\* or stepparent\*)) or (foster\* adj3 (carer\*1 or caregiver\* or care giver\* or custodian\* or dad or dads or famil\* or father\* or grandparent\* or grand parent\* or guardian\* or maternal\* or mother\* or mum or mums or parent\* or paternal\* or stepparent\*)) or family based residential treatment)).ti,ab,hw.
- 81 social stigma/ use emez,mesz
- 82 "discrimination (psychology)"/ use mesz
- 83 stigma/ use psych
- 84 (bullying or labeling or prejudice\* or racism or social discrimination or social perception or stereotypy or stereotyped attitudes or victimisation).sh.
- 85 (bully or bullies or bullying or discriminat\* or hostil\* or ignoran\* or injustice\* or intoleran\* or label\* or marginali\* or misconception\* or misperception\* or negative image\* or prejudic\* or racism or stereotyp\* or stigma\* or taunt\* or transracial or victimisation or ((community or popular or public or social) adj (attitude\* or perception\*)) or (social adj (acceptance or exclusion or inclusion or rejection))).ti,ab.
- 86 or/81-85
- 87 absenteeism/ or exp academic achievement/ or exp communication disorder/ or language ability/ or language development/ or exp learning disorders/ or reading/ or school reentry/ or social adaptation/ or exp special education/ or student assistance

- program/ or writing/
- 88 87 use emez  
absenteeism/ or exp communication disorders/ or (education\* and achievement).hw. or
- 89 exp education, special/ or language development/ or reading/ or social adjustment/ or writing/
- 90 89 use mesz  
academic failure/ or exp academic achievement/ or exp communication disorders/ or exp dropouts/ or educational attainment level/ or language development/ or exp
- 91 learning disorders/ or reading\*.sh. or reentry students/ or school attendance/ or school adjustment/ or exp school enrollment/ or school retention/ or school transition/ or school truancy/ or social adjustment/ or special education/ or special needs/ or writing\*.sh.
- 92 91 use psych  
((academic\* or academia\* or classroom\* or education\* or grammar\* or intellectual or language or learn\* or math\*1 or pupil\* or reading\* or school\* or student\* or taught\* or teach\* or vocabulary or writing) and (abilit\* or achievement\* or adaptation or
- 93 adjustment or at\*1 risk or attendance\* or absence\* or behavior\* or behaviour\* or breakdown\* or break down\* or change\* or competence or deficit\* or difficult\* or disadvantage\* or disturbance\* or dropout\* or drop out\* or failure\* or functioning or high risk or performance\* or placement\* or problem\* or retention or skill\*)).ti,ab,hw.  
(classroom accommodations or education liaison\* or ((education or school) adj
- 94 program\*) or ((language or math\*1 or reading or writing) adj2 (test\* or score\* or skill\*)) or retention rate\* or ((school or special) adj needs) or (special adj (classes or education)) or special adj (healthcare or health care) adj need\*).ti,ab.
- 95 or/88,90,92-94
- 96 family reunification/ use psych
- 97 (reunif\* or re unif\* or reunion\* or re union\* or reunite\* or re unite\*).ti,ab.  
((return\* or rehabilitation) adj5 (care\* or adolescen\* or baby or babies or boy or boys or child\* or delinquen\* or early adult\* or girl\* or grader\* or infant\* or junior or juvenile\* or kindergarten\* or minors or neonat\* or newborn\* or new born\* or nursery or nurseries or
- 98 pediatric\* or paediatr\* or preadolescen\* or pre adolescen\* or preschool\* or preteen\* or school\* or student\* or teen\* or toddler\* or (young adj2 (adult\* or people\* or patient\* or person\* or population\*)) or youngster\* or youth\*) adj5 (carer\*1 or caregiver\* or care giver\* or custodian\* or guardian\* or dad or dads or father\* or maternal\* or mother\* or mum or mums or parent\* or paternal\* or stepparent\*).ti,ab.  
((adolescen\* or baby or babies or boy or boys or child\* or delinquen\* or early adult\* or girl\* or grader\* or infant\* or junior or juvenile\* or kindergarten\* or minors or neonat\* or newborn\* or new born\* or nursery or nurseries or pediatric\* or paediatr\* or preadolescen\* or pre adolescen\* or preschool\* or preteen\* or school\* or student\* or teen\* or toddler\* or (young adj2 (adult\* or people\* or patient\* or person\* or population\*)) or
- 99 youngster\* or youth\*) adj5 return\* adj5 (carer\*1 or caregiver\* or care giver\* or custodian\* or guardian\* or dad or dads or father\* or maternal\* or mother\* or mum or mums or parent\* or paternal\* or stepparent\*).mp. or (foster\* adj3 (carer\*1 or caregiver\* or care giver\* or custodian\* or dad or dads or famil\* or father\* or grandparent\* or grand parent\* or guardian\* or maternal\* or mother\* or mum or mums or parent\* or paternal\* or stepparent\*).ti,ab.
- 100 ((going or return\*) adj home).ti,ab.

101 (returning adj2 (adolescen\* or baby or babies or boy or boys or child\* or delinquen\* or early adult\* or girl\* or grader\* or infant\* or junior or juvenile\* or kindergarten\* or minors or neonat\* or newborn\* or new born\* or nursery or nurseries or pediatric\* or paediatr\* or preadolescen\* or pre adolescen\* or preschool\* or preteen\* or school\* or student\* or teen\* or toddler\* or (young adj2 (adult\* or people\* or patient\* or person\* or population\*)) or youngster\* or youth\*).ti,ab.

102 (return\* adj2 (failed or outcomes or stability)).ti,ab.

103 or/96-102

104 ((placement\* adj2 (adjustment\* or breakdown\* or career\* or change\* or departure or discharge or disrupt\* or early\* or failed or failure\* or histor\* or home\* or instabilit\* or long term or movement\* or multiple\* or number\* or outcome\* or pattern\* or permanent\* or short term or stable or stabilit\* or success\* or temporary or transition\* or type)).ti,ab. and (adolescen\* or baby or babies or boy or boys or child\* or delinquen\* or early adult\* or girl\* or grader\* or infant\* or junior or juvenile\* or kindergarten\* or minors or neonat\* or newborn\* or new born\* or nursery or nurseries or pediatric\* or paediatr\* or preadolescen\* or pre adolescen\* or preschool\* or preteen\* or school\* or student\* or teen\* or toddler\* or (young adj2 (adult\* or people\* or patient\* or person\* or population\*)) or youngster\* or youth\*).ti,ab,hw. and (adopt\* or child welfare or edge of\*1 care or foster\* or institution\* or looked after or residential or state dependent).ti,ab,hw.) or (((adolescen\* or baby or babies or boy or boys or child\* or delinquen\* or early adult\* or girl\* or grader\* or infant\* or junior or juvenile\* or kindergarten\* or minors or neonat\* or newborn\* or new born\* or nursery or nurseries or pediatric\* or paediatr\* or preadolescen\* or pre adolescen\* or preschool\* or preteen\* or school\* or student\* or teen\* or toddler\* or (young adj2 (adult\* or people\* or patient\* or person\* or population\*)) or youngster\* or youth\*) adj2 placed) and (adopt\* or child welfare or edge of\*1 care or foster\* or institution\* or looked after or residential or state dependent)).ti,ab,hw.

105 or/1,21,32,37,49,56,65,72,75,79,80,86,95,103,104

Topic	Prediction, identification and assessment
Review question	What <u>measurements/s</u> can be used to <u>predict</u> children and young people <u>at risk</u> of developing attachment difficulties? How valid and reliable are they?

Embase, Medline, PreMedline, PsycINFO - OVID

- 1 strange situation.tw.
- 2 (attachment q-sort or attachment qsort or attachment qset or attachment q set).tw.
- 3 ((preschool or pre school) adj assessment of attachment).tw.
- 4 ((aqs or paa) and attachment\*).tw.
- 5 or/1-4
- 6 limit 4 to yr="2009 -current"
- 7 child attachment interview.tw.
- 8 ((preschool or pre school) adj assessment of attachment).tw.
- 9 child attachment story task.tw.



- 10 story stem assessment.tw.
- 11 ((school age or schoolage) adj2 assessment of attachment).tw.
- 12 (ainsworth\* maternal sensitivity scale\* or maternal sensitivity scale\*).tw.
- 13 care index.tw.
- 14 (maternal adj2 (behaviour or behavior) adj2 (q-sort or qsort)).tw.  
(((cai or paa or mcast or ssa or saa or ass or mbqs) adj5 (checklist\* or \* or assess\* or  
15 measur\* or interview\* or predict\* or questionnaire\* or scale\* or screen\*)) and attach\* and  
(child\* or infant\*)).tw.
- 16 or/7-15
- 17 (attachment behavior or attachment disorders or attachment theory).sh. use psych
- 18 reactive attachment disorder.sh. use mesz  
(attachment adj2 (disorder\*1 or problem\*1 or style\*1 or pattern\*1)) or (attachment adj2  
(behavior\* or behaviour\* or ambivalen\* or avoidant or diffuse or organi\* or disorgani\* or  
19 disrupt\* or abnormal\* or disinhib\* or inhib\*)) or (attachment adj2 (disorienta\* or reactive  
or anxious\* or disturb\* or relation\*)) or (attachment adj2 (interven\* or insecure\* or secure  
or security or early or theory or theories))).ti,ab.
- 20 or/17-19
- 21 (child\* or infant\* or infancy or preschool\* or pre school\* or baby or babies or pediat\* or  
paediat\*).ti,ab.
- 22 (boy or boys or girl or girls).ti,ab.
- 23 (schoolchild\* or adolescen\* or juvenile\* or youth\* or teenage\* or youngster\*).ti,ab.
- 24 (young people or young person or young persons or young adult\* or early adult\*).ti,ab.
- 25 (parent\* or mother\* or maternal\* or mum\* or father\* or paternal\* or dad\*).ti,ab.
- 26 (attunement or (representation\* adj2 model\*).ti,ab.
- 27 (neglect\* or abuse or abused or abusive or maltreat\* or mistreat\*).ti,ab.
- 28 (foster\* or adopt\*).ti,ab.
- 29 dyad\*.ti,ab.  
exp parents/ or exp parenting/ or dyads/ or exp child neglect/ or exp child abuse/ or  
30 exp foster children/ or exp foster care/ or exp foster parents/ or exp "adoption (child)"/  
or exp adoptive parents/
- 31 (infancy 2 23 mo or neonatal birth 1 mo or preschool age 2 5 yrs or (adolescence 13 17 yrs  
or childhood birth 12 yrs or school age 6 12 yrs)).ag.
- 32 (infancy 2 23 mo or neonatal birth 1 mo or preschool age 2 5 yrs or (adolescence 13 17 yrs  
or childhood birth 12 yrs or school age 6 12 yrs)).ag.
- 33 or/30-32 use psych
- 34 exp child/ or exp infant/ or adolescent/ or exp parents/ or exp parent-child relations/ or  
parenting/ or child abuse/ or foster home care/ or adoption/
- 35 34 use mesz
- 36 child/ or infant/ or adolescent/ or exp parent/ or exp child parent relation/ or child  
abuse/ or child neglect/ or foster care/ or adoption/ or adopted child/
- 37 36 use emez
- 38 or/21-29,33,35,37
- 39 (sensitivity or specificity or predictive value\* or accurac\* or measurement\* or assess\* or  
diagnos\*).ti,ab.

- 40 39 use psych
- 41 (sensitivity\* or diagnosis\*).mp. or di.fs.
- 42 41 use mesh
- 43 (predict\* or specificity).tw. or di.fs.
- 44 43 use mesh
- 45 or/40,42,44
- 46 20 and 38 and 45
- 47 limit 46 to yr="2012 -current"
- 48 or/6,16,47

Topic	Prediction, identification and assessment
<b>Review question</b>	What <u>measurements/s</u> can be used to <u>identify/assess</u> attachment difficulties in children and young people? How valid and reliable are they?

Embase, Medline, PreMedline, PsycINFO - OVID

- 1 checklist/ or clinical assessment/ or clinical evaluation/ or exp computer assisted diagnosis/ or functional assessment/ or geriatric assessment/ or measurement/ or needs assessment/ or nursing assessment/ or outcome assessment/ or patient assessment/ or predictive value/ or risk assessment/ or scoring system/ or self evaluation/ or semi structured interview/ or "speech and language assessment"/ or structured interview/ or structured questionnaire/
- 2 1 use mesh
- 3 checklist/ or exp diagnosis, computer-assisted/ 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 exp questionnaires/ or risk assessment/
- 4 3 use mesh
- 5 attitude measurement/ or exp attitude measures/ or comprehension tests/ or computer assisted diagnosis/ or geriatric assessment/ or group testing/ or individual testing/ or measurement/ or needs assessment/ or exp perceptual measures/ or pretesting/ or exp psychiatric evaluation/ or exp psychodiagnostic interview/ or exp psychological assessment/ or exp questionnaires/ or risk assessment/ or exp selection tests/ or self evaluation/ or sensorimotor measures/
- 6 5 use psych
- 7 (battery or batteries or checklist\* or check list\* or 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 tool\* or test form\*).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 course or detect\* or diagnos\* or evaluat\* or identif\* or monitor\* or predict\* or prognos\* or psychodiagnos\* or recogni\* or screen\*).tw.
- 16 (or/10,12,14-15) or diagnos\*.sh.
- 17 8 and 16
- 18 clinical assessment tool/ or exp diagnostic test/ or exp psychologic test/ or psychometry/ or rating scale/ or screening test/ or summated rating scale/
- 19 18 use emez
- 20 diagnostic tests, routine/ or "predictive value of tests"/ or exp psychiatric status rating scales/ or exp psychological tests/
- 21 20 use mesz
- exp inventories/ or performance tests/ or exp personality measures/ or exp preference measures/ or psychometrics/ or exp rating scales/ or exp reading measures/ or exp
- 22 retention measures/ or exp screening tests/ 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/
- 23 22 use psyh
- 24 (casefind\* or ((case or tool\*) adj (find\* or identif\*))).tw.
- 25 17 or (or/19,21,23-24)
- 26 "area under the curve"/ or predictive validity/ or receiver operating characteristic/ or reliability/ or "sensitivity and specificity"/ or test retest reliability/ or validity/
- 27 26 use emez
- 28 "area under curve"/ or "predictive value of tests"/ or "reproducibility of results"/ or roc curve/ or "sensitivity and specificity"/ or validation studies/
- 29 28 use mesz
- 30 test reliability/ or test validity/
- 31 30 use psyh
- (accurac\* or accurat\* or area under curve or auc value\* or clinical utilit\* 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 sensitiv\* or specificit\* or valid\*).tw.
- 32
- 33 or/27,29,31-32
- 34 25 and 33
- (adult attachment interview or ainsworth extended method or ainsworth sensitivity scale or (attachment adj (qsort or q sort or qset or q set)) or attachment story completion task or cassid\* marvin or child attachment interview or coding of attachment related
- 35 parenting or (disconnected adj2 extremely insensitive parenting) or doll family or doll play or manchester child attachment story task or (maternal adj (behavior or behaviour\*) adj (qsort or q sort or qset or q set)) or ((preschool or pre school) adj assessment adj2 attachment) or ((schoolage or school age) adj (assessment adj2 attachment)) or sensitivity scale or story stem or strange situation or amss or deip or icdf or mbqs or mcast).tw.

(((adi or (aai or ass or aqs or asct or cai or carp or dip or paa or ssp)) adj5 (battery or batteries or checklist\* or check list\* or 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 tool\* or test form\*)) or care index).tw.  
 36  
 37 25 and (assess\* or diagnos\* or identif\* or predict\*).tw.  
 38 or/34,37,35-36

Topic	Treatment of disorganised attachment and attachment disorders
Review question	What pharmacological interventions are effective in the treatment of children and young people with attachment difficulties? What are the adverse effects associated with each intervention?

Embase, Medline, PreMedline, PsycINFO - OVID

1 (serotonin reuptake inhibitors or serotonin uptake inhibitor\*).sh,id. or (((5ht or 5 ht) adj uptake inhibitor\*) or (serotonin adj (reuptake or re uptake) adj inhibitor\*) or ssri\*).tw.  
 fluoxetin\*.ti,ab,hw. or (actan or adofen or alzac 20 or andep or ansilan or atd 20 or auroken or auscap or captaton or daforin or depren or deprexin or deprizac or deproxin or elizac or floxet or fluctin orfluctine or fludac or flufran or fluketin or flunil or flunirin or fluohexal or fluox or fluoxac or fluoxeren or fluoxifar or fluoxil or fluox-puren or fluronin or flusac  
 2 or flutin\* or fluxen or fluxet or fluxetil or fluxetin or fontex or foxetin or foxtin or fropine or fuloren or lanclit or lilly 110140 or lilly110140 or lorien or lovan or margilan or margilan or modipran or nopres or nuzak or oxedep or plinzene or pragmaten or prizma or proctin or prodep or prosac or prozac or prozamin or qualisac or rapiflux or rowexetina or salipax or sanzur or sarafem or sarafem or sinzac or zactin or zepax).ti,ab.  
 paroxetin\*.ti,ab,hw. or (aropax or aroxat or brisdelle or brl 29060 or brl29060 or deroxat or  
 3 dexorat or divarius or fg 7051 or fg7051 or hydrochloride hemih or motivan or paroxet or paxan or paxil or paxtine or paxet or pexeva or seroxat or setine or tagonis).ti,ab.  
 4 (central nervous system stimulants or psychostimulant\*).sh. or (analeptic\* or cns stimulant\* or psychostimulant\* or psycho stimulant\*).tw.  
 methylphenindat\*.ti,ab,hw. or (attenta or centedrin or concerta or daytrana or equasym or medikinet or metadata or methyl phenidate or methylfenidate or methylin or  
 5 methylphenidate or methylphenidylacetate or methylphenidate or methypatch or penid or phenidyl hydrochloride or phenidylate or quillivant or rilatine or ritalin or ritaphen or rubifen or tranquilyn or tsentedrin).ti,ab.  
 6 hormone\*.tw.  
 7 melatonin\*.ti,ab,hw. or (circadin\* or melatonina or melovine).ti,ab.  
 oxytocin\*.ti,ab,hw. or (atonin o or di sipidin or disipidin or endopituitrin or fetusin or hypophysin or hypophysine or mipareton or neoxyn or ocytocin or orasthin or orastina or  
 8 oxytocin or oxiton inj or oxitone or oxystin or oxytan or oxytocin or oxytocine or pareton or partacon or partolact or partoxin or physormon or pitocin or piton or pituilobine or pitupartin or solvoxyne or synpitan or syntocinon or tranoxy or utedrin or uteracon or uterason or utron inj or xitocin).ti,ab.  
 9 (or/1-8)

Topic	Prevention of attachment disorders and problems
Review question	What interventions are effective in the <b>prevention</b> of attachment difficulties in children and young people on the edge of care? What are the adverse effects associated with the each intervention?
Review question	What interventions are effective in the <b>prevention</b> of attachment difficulties in children and young people being looked-after? What are the adverse effects associated with each intervention?
Review question	What interventions are effective in the <b>prevention</b> of attachment difficulties in children and young people who have been adopted from care? What are the adverse effects associated with each intervention?

Topic	Treatment of disorganised attachment and attachment disorders
Review question	What psychological interventions are effective in the <b>management</b> of children and young people with attachment difficulties? What are the adverse effects associated with each intervention?

Embase, Medline, PreMedline, PsycINFO - OVID

Search 1

- 1 psychotherapy/
- 2 1 use emez
- 3 psychotherapy/ or adaption, psychological/ or psychotherapy, brief/
- 4 3 use mesz
- 5 psychotherapy/ or brief psychotherapy/
- 6 5 use psych  
(psychotherap\* or psycho therap\* or psychotherapeutic or ((humanistic or opportunistic or psychologic\*) adj3 (approach\* or assist\* or coach\* or educat\* or instruct\* or interven\* or
- 7 manag\* or module\* or program\* or rehab\* or strateg\* or support\* or technique\* or therap\* or train\* or treat\* or workshop\* or work shop\*)) or ((integrated or multimodal or multi modal) adj2 (program\* or interven\* or therap\* or treat\*))) .ti,ab.
- 8 psychotherapy, brief/
- 9 8 use emez
- 10 brief psychotherapy/
- 11 10 use psych
- 12 ((brief or short term or time limited) adj2 (intervention\* or program\* or psychoanaly\* or psychotherap\* or solution\* or therap\* or treat\*)) .ti,ab.
- 13 or/2,4,6-7,9,11-12
- 14 anger control/ use psych
- 15 ((anger\* or rage\*) adj3 (approach\* or assist\* or coach\* or club\* or class\* or communicat\* or control\* or cope or copes or coping or control\* or counsel\* or educat\* or help\* or interven\*

- or learn\* or manag\* or minimi\* or mitigat\* or modif\* or module\* or program\* or psychotherap\* or reduc\* or rehab\* or skill\* or strateg\* or support\* or teach\* or therap\* or train\* or treat\* or workshop\* or work shop\*).ti,ab.
- 16 or/14-15
- 17 behavior therapy/ or cognitive therapy/
- 18 17 use emez
- 19 behavior therapy/ or psychotherapy, rational emotive/
- 20 19 use mesz
- 21 behavior therapy/ or exp cognitive behavior therapy/ or rational emotive behavior therapy/
- 22 21 use psych
- 23 (((cognit\* or behavior\* or behaviour\* or metacognit\*) adj3 (analy\* or interven\* or modif\* or program\* or psychotherap\* or restructur\* or retrain\* or technique\* or therap\* or train\* or treat\*)) or ((behavior\* or behaviour\*) adj activat\*) or cbt or selfattribut\* or selfinstruct\* or selfmanag\* or selfpsychological or (self\* adj (attricution\* or instruct\* or manag\* or psychological)) or (rational\* adj3 emotiv\*) or (rational adj (living or psychotherap\* or therap\*)) or (ret adj (psychotherap\* or therap\*)) or rebt or (active directive adj (psychotherap\* or therap\*)) or ((enhanc\* or foster\* or improv\*) adj3 (cognit\* adj2 (development or performance))))).ti,ab.
- 24 ((cope or copes or coping) adj3 (approach\* or assist\* or coach\* or club\* or class\* or communicat\* or control\* or counsel\* or educat\* or help\* or interven\* or learn\* or manag\* or module\* or program\* or psychotherap\* or rehab\* or skill\* or strateg\* or support\* or teach\* or therap\* or train\* or treat\* or workshop\* or work shop\*).ti,ab.
- 25 or/18,20,22-24
- 26 exp counseling/ use emez,mesz,psych
- 27 (counsel\* or (((client\* or person) adj2 (centred or centered or focused)) or non directive\* or nondirective\* or rogerian) adj5 (approach\* or assist\* or coach\* or communicat\* or counsel\* or educat\* or help\* or instruct\* or interven\* or learn\* or manag\* or module\* or network\* or program\* or psychotherap\* or rehab\* or skill\* or strateg\* or support\* or teach\* or technique\* or therap\* or train\* or treat\* or workshop\* or work shop\*)) or pastoral care or ((individual or personal or talk\*) adj (psycho\* or therap\*)).ti,ab.
- 28 or/26-27
- 29 family therapy/ or group therapy/
- 30 29 use emez
- 31 family therapy/ or psychotherapy, group/
- 32 31 use mesz
- 33 conjoint therapy/ or family intervention/ or family therapy/ or exp family life education/ or group psychotherapy/ or therapeutic community/ or encounter group therapy/
- 34 33 use psych
- 35 (conjoint therap\* or family responsive or family relation\* or (family adj (based or cent\* or focused or intervention\* or therap\* or treatment\*)) or (famil\* adj3 (advocacy or approach\* or assist\* or coach\* or coercive\* or communicat\* or counsel\* or educat\* or empower\* or help\* or instruct\* or learn\* or module\* or network\* or participat\* or positive\* or program\* or psychotherap\* or rehab\* or skill\* or strateg\* or support\* or teach\* or train\* or workshop\* or work shop\*)) or (famil\* adj (discuss\* or exchang\* or interact\* or meeting\*))

or (group adj (interven\* or program\* or therap\* or train\*)) or (therapeutic adj (communit\* or interven\*))) .ti,ab.

36 or/30,32,34-35

((attachment or coercive restraint or compression) adj2 therap\*) or (foster\* adj5 (train\* or 37 interven\* or therap\* or treat\* or program\*)) or evergreen model\* or (holding adj (therap\* or time)) or (multi\* adj2 foster\*) or rebirthing or re birthing).ti,ab.

38 (multisystemic or multi systemic).ti,ab.

39 or/37-38

40 psychoanalysis/ or psychodynamics/

41 40 use emez

42 exp psychoanalytic therapy/ or psychoanalysis/

43 42 use mesz

44 psychoanalysis/ or psychodynamic psychotherapy/

45 44 use psych

(free association or psychoanal\* or psycho anal\* or psychodynamic\* or psycho dynamic\* or transference or ((analytic or dynamic\*) adj3 (approach\* or assist\* or coach\* or communicat\* or counsel\* or educat\* or help\* or instruct\* or interven\* or learn\* or manag\* 46 or modif\* or module\* or network\* or program\* or psychotherap\* or rehab\* or short term or skill\* or strateg\* or support\* or teach\* or technique\* or therap\* or time limited or train\* or treat\* or workshop\* or work shop\*)) or ((dream or psychological or self transactional) adj anal\*) or b app\*1).ti,ab.

47 or/41,43,45-46

48 friendship/ or psychosocial care/ or self care/ or self help/ or social care/ or social network/ or social support/ or support group/

49 48 use emez

50 community networks/ or friends/ or self care/ or self help groups/ or social support/

51 50 use mesz

encouragement/ or friendships/ or interpersonal interaction/ or parent training/ or self 52 actualization/ or self care skills/ or self help techniques/ or social group work/ or social support/ or exp social networks/ or exp support groups/

53 52 use psych

audio recording/ or audiovisual equipment/ or book/ or communication software/ or compact disk/ or computer/ or computer assisted drug therapy/ or computer assisted therapy/ or computer program/ or education program/ or email/ or harm reduction/ or health education/ or health program/ or health promotion/ or information center/ or 54 information dissemination/ or information service/ or internet/ or mass communication/ or mobile phone/ or multimedia/ or patient education/ or postal mail/ or psychoeducation/ or telecommunication/ or telehealth/ or telemedicine/ or telephone/ or telepsychiatry/ or teletherapy/ or video disk/ or videorecording/ or videotape/ or writing/

55 54 use emez

audiovisual aids/ or books, illustrated/ or books/ or cellular phone/ or computer user training/ or computers/ or education, distance/ or electronic mail/ or health education/ 56 or health fairs/ or health knowledge, attitudes, practice/ or exp health promotion/ or hotlines/ or information dissemination/ or exp internet/ or multimedia/ or pamphlets/ or risk reduction behavior/ or software/ or exp tape recording/ or teaching materials/ or

- telemedicine/ or telephone/ or therapy, computer assisted/ or exp videodisc recording/  
or writing/ or ed.fs.
- 57 56 use mesz  
exp audiovisual communications media/ or books/ or client education/ or computer  
applications/ or computer assisted instruction/ or computer mediated communication/  
or computer software/ or computers/ or databases/ or distance education/ or drug  
education/ or exp instructional media/ or exp multimedia/ or exp written
- 58 communication/ or health education/ or health knowledge/ or health promotion/ or  
hotline services/ or information dissemination/ or information services/ or information/  
or internet/ or online therapy/ or oral communication/ or printed communications  
media/ or psychoeducation/ or telecommunications media/ or telemedicine/ or  
telephone systems/ or exp written communication/
- 59 58 use psych  
(bibliotherap\* or biblio therap\* or (self adj (care or change or directed or help\* or instruct\*  
60 or manag\* or monitor\* or regulat\* or reinforc\* or re inforc\*)) or selfhelp\* or smart recover\*  
or (minimal adj (contact or guidance)) or helpseek\* or (help\* adj2 seek\*) or (mutual adj  
(help or aid or support\*))).ti,ab.  
(booklet\* or brochure\* or educat\* or leaflet\* or multimedia or multi media or pamphlet\*  
61 or poster\* or psychoeducat\* or psycho educat\* or ((oral or printed or written) adj3  
(inform\* or material\*)) or workbook\* or work book\*).ti,ab.  
((audio\* or book\*1 or cd\*1 or cd rom\* or cdrom\* or computer\* or cyber\* or dvd\*1 or  
electronic\* or floppy or handheld or hand held or interactive or internet\* or manual\*1 or  
material\* or mobile or online or palmtop or palm top or pc\*1 or phone\*1 or read\*1 or  
62 reading or sms\*1 or telephone\* or text or texts or texting or video\* or virtual or web\* or  
written or www) adj3 (approach\* or assist\* or coach\* or club\* or class\* or counsel\* or  
empower\* or help\* or instruct\* or interven\* or learn\* or module\* or program\* or  
psychotherap\* or rehab\* or skill\* or strateg\* or support\* or teach\* or therap\* or train\* or  
treat\* or workshop\* or work shop\*))).ti,ab.  
((adolescen\* or boy\*1 or child\* or delinquen\* or girl\*1 or graders or infant\* or junior\*1 or  
juvenile\* or kindergarten or minors or paediatric\* or pediatric\* or preadolescen\* or  
63 preschool\* or preteen\* or school\* or teen\* or toddler\* or (young\* adj (people or person\* or  
patient\* or population\*)) or youngster\* or youth\*1) adj4 (empower\* or knowledge or  
information\* or instruct\* or promot\* or teach\* or train\*))).ti,ab.
- 64 (health adj2 (educat\* or informat\* or promot\*)).ti,ab.
- 65 or/49,51,53,55,57,59-64  
behavior modification/ or communication skill/ or human relation/ or problem solving/  
66 or role playing/ or social behavior/ or social network/ or social support/ or exp social  
adaption/
- 67 66 use emez
- 68 problem solving/ or role playing/ or social behavior/ or social adjustment/ or social  
support/
- 69 68 use mesz  
behavior modification/ or communication skills/ or communication skills training/ or  
70 human relations training/ or exp problem solving/ or role playing/ or social  
adjustment/ or social behavior/ or social cognition/ or social group work/ or social  
skills training/ or social skills/ or social support/ or exp social networks/
- 71 70 use psych



- (((conflict or problem\*) adj2 (resolution\* or resolv\* or solv\* or solution\*)) or (social adj  
72 (development\* or relation\*)) or (solution adj2 (based or focus\*)) or problem  
thinking).ti,ab.
- 73 (((group\* or peer\* or social\* or psychosocial) adj2 (network\* or support\*)) or support  
service\*).ti,ab.
- 74 ((interact\* or lifeskill\* or skill\*) adj train\*).ti,ab.
- 75 ((peer\* or social\* or psychosocial or support\*) adj2 (group\* or network\*)).ti,ab.
- 76 ((psychosocial or social) adj (rehab\* or treatment)).ti,ab.
- 77 ((communicat\* or interact\* or interpersonal or inter personal or psychosocial or social)  
adj10 skill\*).ti,ab.
- 78 ((communicat\* or interact\* or interpersonal or inter personal or psychosocial or social)  
adj25 learn\*).ti,ab.
- 79 ((communicat\* or interact\* or interpersonal or inter personal or psychosocial or social)  
adj4 (competen\* or educat\* or program\* or teach\* or therap\* or train\*)).ti,ab.  
((assist\* or help\* or improv\* or intervention\* or program\* or therap\*) and (communicat\*  
or interact\* or interpersonal or inter personal or psychosocial or social) and (adopt\* or  
80 famil\* or father\* or foster\* or mother\* or parent\*)).ti,ab. and ((adoption or child custody  
or child, institutionalized or foster care or foster children or foster home care or foster  
parents or guardianship or institutionalised schools or orphanages or surrogate mothers  
or surrogate parents).sh. or (adopt\* or famil\* or foster\*).ti,ab.)
- 81 (behav\* adj3 (modif\* or regulat\*)).ti,ab.
- 82 (roleplay\* or role play\*).ti,ab.
- 83 or/67,69,71-82
- 84 exp contingency management/  
85 84 use psyh
- 86 (((behavior\* or behaviour\*) adj2 contract\*) or contingency or contingencies or  
(motivation\* adj2 incentive\*) or token economy or (voucher\* adj2 (based or incentive\* or  
reinforc\*)) or token economy).ti,ab.
- 87 or/85-86
- 88 videorecording/ or videotape/  
89 88 use emez
- 90 video recording/  
91 90 use mesz
- 92 video recording/  
93 92 use psyh
- 94 (((dvd or modeling or modelling or technolog\* or video\*) adj3 (approach\* or feedback\* or  
interven\* or program\* or therap\* or treat\*)) or videofeedback\* or (((dvd or video\*) adj  
(model\* or selfmodel\*)) or parents plus children\* program\*).ti,ab.
- 95 or/89,91,93-94
- 96 or/13,16,25,28,36,39,47,65,83,87,95

Search 2

- 1 exp family therapy/ or parenting education/

- 2 1 use emez
- 3 exp family therapy/
- 4 3 use mesz
- 5 exp family therapy/ or parent training/ or parenting skills/
- 6 5 use psych
- 7 or/2,4,6
- 8 exp adoption/ or caregiver/ or exp child parent relation/ or foster care/ or maternal behavior/ or exp parent/ or exp parental behavior/
- 9 8 use emez
- 10 adoption/ or caregivers/ or foster home care/ or maternal behavior/ or exp parent-child relations/ or exp parenting/ or exp parents/ or paternal behavior/
- 11 10 use mesz
- caregivers/ or foster care/ or foster children/ or foster parents.mp. or exp parent child
- 12 communication/ or exp parent child relations/ or parental involvement/ or exp parenting/ or exp parents/ or "surrogate parents (humans)"/
- 13 12 use psych
- 14 (or/9,11,13) and (ed.fs. or educat\*.sh.)
- 15 exp adoption/ or caregiver/ or exp child parent relation/ or foster care/ or maternal behavior/ or exp parent/ or exp parental behavior/
- 16 15 use emez
- 17 adoption/ or caregivers/ or foster home care/ or maternal behavior/ or exp parent-child relations/ or exp parenting/ or exp parents/ or paternal behavior/
- 18 17 use mesz
- caregivers/ or foster care/ or foster children/ or foster parents.mp. or exp parent child
- 19 communication/ or exp parent child relations/ or parental involvement/ or exp parenting/ or exp parents/ or "surrogate parents (humans)"/
- 20 19 use psych
- (adopt\* or carer\*1 or caregiver\* or care giver\* or custodian\* or foster\* or guardian\* or
- 21 father\* or mother\* or parent\* or stepparent\* or ((communicat\* or conversation\* or familiar or interact\* or language or speech) adj2 partner\*)).ti,ab.
- 22 or/16,18,20-21
- 23 friendship/ or psychosocial care/ or self care/ or self help/ or social care/ or social network/ or social support/ or support group/
- 24 23 use emez
- 25 community networks/ or friends/ or self care/ or self help groups/ or social support/
- 26 25 use mesz
- encouragement/ or friendships/ or interpersonal interaction/ or parent training/ or self
- 27 actualization/ or self care skills/ or self help techniques/ or social group work/ or social support/ or exp social networks/ or exp support groups/
- 28 27 use psych
- audio recording/ or audiovisual equipment/ or book/ or communication software/ or
- 29 compact disk/ or computer/ or computer assisted drug therapy/ or computer assisted therapy/ or computer program/ or education program/ or email/ or harm reduction/ or health education/ or health program/ or health promotion/ or information center/ or

- information dissemination/ or information service/ or internet/ or mass communication/ or mobile phone/ or multimedia/ or patient education/ or postal mail/ or psychoeducation/ or telecommunication/ or telehealth/ or telemedicine/ or telephone/ or telepsychiatry/ or teletherapy/ or video disk/ or videorecording/ or videotape/ or writing/
- 30 29 use emez  
audiovisual aids/ or books, illustrated/ or books/ or cellular phone/ or computer user training/ or computers/ or education, distance/ or electronic mail/ or health education/ or health fairs/ or health knowledge, attitudes, practice/ or exp health promotion/ or
- 31 hotlines/ or information dissemination/ or exp internet/ or multimedia/ or pamphlets/ or risk reduction behavior/ or software/ or exp tape recording/ or teaching materials/ or telemedicine/ or telephone/ or therapy, computer assisted/ or exp videodisc recording/ or writing/ or ed.fs.
- 32 31 use mesz  
exp audiovisual communications media/ or books/ or client education/ or computer applications/ or computer assisted instruction/ or computer mediated communication/ or computer software/ or computers/ or databases/ or distance education/ or health
- 33 education/ or health knowledge/ or health knowledge/ or health promotion/ or hot line services/ or information dissemination/ or information/ or internet/ or exp instructional media/ or printed communications media/ or psychoeducation/ or social programs/ or telecommunications media/ or telemedicine/ or telephone systems/ or exp written communication/
- 34 33 use psych  
(((adopt\* or carer\*1 or caregiver\* or care giver\* or custodian\* or foster\* or guardian\* or father\* or mother\* or parent\* or stepparent\*) adj4 (advocacy or approach\* or assist\* or coach\* or club\* or class\* or coercive\* or communicat\* or counsel\* or educat\* or empower\* or help\* or information\* or instruct\* or interven\* or knowledge or learn\* or module\* or network\* or participat\* or program\* or promot\* or psychotherap\* or rehab\* or skill\* or strategy or support\* or teach\* or therap\* or train\* or workshop\* or work shop\*)) or ((adopt\* or carer\*1 or caregiver\* or care giver\* or foster\* or parent\*) adj (based or cent\* or focused or intervention\* or therap\* or treatment\*))).ti,ab.
- 35 or booklet\* or brochure\* or educat\* or leaflet\* or multimedia or multi media or pamphlet\* or poster\* or psychoeducat\* or ((oral or printed or written) adj3 (inform\* or material\*)) or workbook\* or work book\*).ti,ab.
- 36 ((audio\* or book\*1 or cd\*1 or cd rom\* or cdrom\* or computer\* or cyber\* or dvd\*1 or electronic\* or floppy or handheld or hand held or interactive or internet\* or manual\*1 or material\* or mobile or online or palmtop or palm top or pc\*1 or phone\*1 or read\*1 or reading or sms\*1 or telephone\* or text or texts or texting or video\* or virtual or web\* or written or www) adj3 (approach\* or assist\* or coach\* or club\* or class\* or counsel\* or empower\* or help\* or instruct\* or interven\* or learn\* or module\* or program\* or psychotherap\* or rehab\* or skill\* or strateg\* or support\* or teach\* or therap\* or train\* or treat\* or workshop\* or work shop\*).ti,ab.
- 37 (health adj2 (educat\* or informat\* or promot\*).ti,ab.
- 38 (bibliotherap\* or biblio therap\* or (self adj (care or change or directed or help\* or instruct\* or manag\* or monitor\* or regulat\* or reinforc\* or re inforc\*)) or selfhelp\* or smart
- 39 recover\* or (minimal adj (contact or guidance)) or helpseek\* or (help\* adj2 seek\*) or (mutual adj (help or aid or support\*))).ti,ab.
- 40 or/24,26,28,30,32,34-39

(or/7,14) or (22 and 40) or (caves or (clinician\* adj3 exposure\*) or ((enhanc\* or foster\* or  
41 improv\*) adj3 parenting practic\*) or (modif\* adj3 guidance) or ((story or stories) adj3  
stem\*) or video\* or vipp or vig).ti,ab.

### Search 3

1 "prevention and control"/ or prevention/ or primary prevention/ or preventive  
medicine/ or secondary prevention/  
2 1 use emez  
3 preventive medicine/ or primary prevention/ or secondary prevention/ or tertiary  
prevention/  
4 3 use mesz  
5 prevention/ or preventive medicine/  
6 5 use psych  
7 (prevent\* or program\*).ti,ab.  
8 (((decreas\* or discourag\* or less\* or lower\* or minimi\* or reduc\*) adj2 risk\*) or ((avoid\* or  
discourag\* or lower\* or minimi\* or reduc\*) adj5 risk\* adj5 (abus\* or adopt\* or attach\* or  
(behav\* adj3 problem\*) or edge of care or foster\* or out of home care or insecur\* or  
institution\* or placement\* or residential care or residential treatment))).ti,ab.  
9 ((adolescen\* or boy\*1 or child\* or delinquen\* or girl\*1 or graders or infant\* or junior\*1 or  
juvenile\* or kindergarten or minors or paediatric\* or pediatric\* or preadolescen\* or  
preschool\* or preteen\* or school\* or teen\* or toddler\* or (young\* adj (people or person\* or  
patient\* or population\*)) or youngster\* or youth\*1) adj2 ((at\*1 or high\*) adj risk) adj2  
(abus\* or adopt\* or attach\* or edge of care or foster\* or out of home care or insecur\* or  
institution\* or placement\* or residential care or residential treatment)).ti,ab.  
10 ((avoid\* or decreas\* or discourag\* or less\* or lower\* or minimi\* or reduc\*) adj3 (abus\* or  
adopt\* or attach\* or (behav\* adj3 problem\*) or edge of care or foster\* or out of home care  
or insecur\* or institution\* or placement\* or residential care or residential treatment)).ti,ab.  
11 (or/2,4,6-10) or attachment disorder/pc or emotional attachment/pc or reactive  
attachment disorder/pc  
12 early intervention/ use emez  
13 "early intervention (education)"/  
14 13 use mesz  
15 early intervention/  
16 15 use psych  
17 (early adj2 (educat\* or interven\*)).ti,ab.  
18 or/12,14,16-17  
19 education/ or curriculum/ or curriculum development/ or education program/ or exp  
health education/ or problem based learning/ or exp school/ or exp special education/  
or student assistance program/ or teacher/ or teaching/  
20 19 use emez  
21 education/ or exp curriculum/ or education, nonprofessional/ or exp education, special/  
or exp health education/ or problem-based learning/ or exp schools/ or mentors/ or exp  
teaching/

- 22 21 use mesz  
 education/ or classroom behavior modification/ or classroom discipline/ or exp  
 curriculum/ or exp educational programs/ or elementary education/ or high school
- 23 education/ or middle school education/ or preschool education/ or private school  
 education/ or public school education/ or exp remedial education/ or exp schools/ or  
 special education/ or exp teacher education/ or exp teaching/ or exp teaching methods/
- 24 23 use psyh  
 ((language or literac\* or read or reads or reading or vocabulary) adj3 (build\* or calendar\*  
 25 or class\* or coach\* or curriculum\* or educat\* or enhanc\* or guide\* or improv\* or instruct\*  
 or packet\* or resource\* or skill\* or strateg\* or support\* or teach\* or train\* or tutor\*)).ti,ab.
- 26 (early adj2 (language or literac\* or reading or vocabulary)).ti,ab.  
 (((classroom\* or class room\* or curricul\* or mentor\* or peer or peers or school\* or teacher\*  
 27 or teaching\* or tutor\* or student\*) adj3 (coach\* or guide\* or instruct\* or interven\* or learn\*  
 or packet\* or program\* or resource\* or skill\* or session\* or strateg\* or support\* or therap\*  
 or train\* or treat\*)) or mentoring or school based or skills group).ti,ab.
- 28 (supervis\* adj2 (communit\* or home\* or school\*)).ti,ab.
- 29 (((communit\* or parent\*) adj involv\*) or community famil\*).ti,ab.
- 30 or/20,22,24-29
- 31 assertive training/
- 32 31 use emez
- 33 assertiveness/
- 34 33 use mesz
- 35 assertiveness training/
- 36 35 use psyh
- 37 (assertiveness or (assertion\* adj2 (interven\* or program\* or therap\* or train\*))).ti,ab.
- 38 or/32,34,36-37
- 39 community health nursing/ or home care/ or health visitor/ or home care services/ or  
 house calls/ or respite care/ or social work/
- 40 39 use emez
- 41 exp community health nursing/ or home care services/ or home nursing/ or respite  
 care/ or exp social work/
- 42 41 use mesz  
 exp community mental health services/ or community welfare services/ or home care/  
 43 or home visiting programs/ or home care personnel/ or home care/ or respite care/ or  
 social worker/ use psyh
- 44 43 use psyh  
 ((communit\* adj2 nurs\*) or ((community or health\*) adj2 (visit\* or work\*)) or community  
 45 health service\* or ((health or nurse) adj visit\*) or house call\* or (nurs\* adj2 famil\*) or  
 respit\* or (social adj (service\* or support or work\*))).ti,ab.
- 46 (((famil\* or home or hospital) adj2 visit\*) and (birth or mother\* or parent\* or pregnan\*))  
 or (nurs\* adj2 famil\*).ti,ab.
- 47 or/40,42,44-46  
 (anger coping or ((behavioral or behavioural) adj ecological) or catch or computer based  
 48 workbook or coping power program\* or direct instruction or early steps or fast track or  
 pals or paths program\* or pcit or preventive treatment program\* or psstp or psst p or

- ssdp or (sps adj2 program\*).ti,ab.
- 49 program.ti,ab.
- 50 independent living/ or life event/ or lifestyle modification/ or lifestyle/
- 51 50 use emez
- 52 independent living/ or life event/ or lifestyle modification/ or lifestyle/
- 53 52 use mesz
- independent living programs/ or life change events/ or life style/ or communication
- 54 skills training/ or human relations training/ or life experiences/ or life style/ or life style changes/ or school to work transition/ or school transition/ or self care skills/ or social skills training/
- 55 54 use psych
- ((independent\* adj2 liv\*) or (life\* adj2 (change\* or experience\*)) or (prepar\* adj3 adult\*) or (((life adj2 deman\*) or life style\* or lifestyle) adj3 (approach\* or assist\* or coach\* or club\* or class\* or educat\* or group\* or instruct\* or interven\* or learn\* or manag\* or model\* or module\* or outcome\* or plan\* or prepar\* or program\* or process\* or psychotherap\* or rehab\* or service\* or strateg\* or support\* or teach\* or therap\* or train\* or treat\*))).ti,ab.
- 56 or class\* or educat\* or group\* or instruct\* or interven\* or learn\* or manag\* or model\* or module\* or outcome\* or plan\* or prepar\* or program\* or process\* or psychotherap\* or rehab\* or service\* or strateg\* or support\* or teach\* or therap\* or train\* or treat\*))).ti,ab.
- 57 (skill\* and (communit\* or life or living or social or self care or independen\* or self protect\* or survival)).ti,ab.
- (transition\* adj5 (adolescen\* or adult\* or child\* or man or men or people\* or person\* or student\* or woman or women or (young\* adj2 (person\* or people or population\*)) or youngster\* or youth)).ti,ab.
- 58 student\* or woman or women or (young\* adj2 (person\* or people or population\*)) or youngster\* or youth)).ti,ab.
- 59 (transition\* adj5 (communit\* or educat\* or employ\* or independen\* or live or living or school\* or work\*)).ti,ab.
- 60 ((life or lifestyle or living or survival) adj4 (educat\* or taught or teach\* or train\*)).ti,ab.
- (transition\* adj3 (approach\* or assist\* or coach\* or club\* or class\* or educat\* or group\* or instruct\* or interven\* or learn\* or model\* or module\* or outcome\* or plan\* or program\* or process\* or psychotherap\* or rehab\* or service\* or strateg\* or support\* or teach\* or therap\* or train\* or treat\*)).ti,ab.
- 61 process\* or psychotherap\* or rehab\* or service\* or strateg\* or support\* or teach\* or therap\* or train\* or treat\*)).ti,ab.
- 62 or/51,53,55-61
- 63 (compassion\* adj2 (based or educat\* or interven\* or therap\* or teach\* or therap\* or train\*)).ti,ab.
- 64 multimodal treatment approach/ use mesz
- 65 combined modality therapy/ use psych
- 66 (combined modality therap\* or multidimensional\* or multi dimensional\* or mtfc).ti,ab.
- 67 ((relational or relationship\*) adj3 (based or educat\* or interven\* or therap\* or teach\* or therap\* or train\* or treat\*)).ti,ab.
- 68 music\*.ti,ab,hw.
- 69 nurturance.sh.
- 70 nurtur\*.ti,ab.
- 71 exp "continuity of patient care"/ use mesz
- 72 "continuum of care"/ use psych
- 73 (continu\* adj2 care).ti,ab.
- 74 (manuali\* adj2 (model\* or program\* or therap\* or treat\*)).ti,ab.
- 75 (reflect\* adj3 (approach\* or assist\* or coach\* or club\* or class\* or counsel\* or empower\* or

- help\* or instruct\* or interven\* or learn\* or module\* or program\* or psychotherap\* or rehab\* or skill\* or strateg\* or support\* or teach\* or therap\* or train\* or treat\* or workshop\* or work shop\*)).ti,ab.
- 76 ((improv\* or decreas\* or fewer or less or stable\* or success\* or transition\*) adj2 placement\*).ti,ab.
- 77 occupational therap\*.ti,ab,hw. or play therap\*.sh. or (biobehavio\* or bio behavio\* or floortime or (floor adj2 time) or ((interaction or interactive) adj3 guidance) or (manipulat\* adj3 respons\*) or ((parent\* or child\*) adj2 game\*) or pcg or theraplay or (play\* adj3 (therap\* or program or intervention\*))).ti,ab.
- 78 (((baby or babies or infant\*) adj2 (carrier\* or carry\*)) or bath or bathe or bathing or ((feed\* or food or water) adj3 (program\* or intervention\* or therap\*)) or massag\* or (personal adj3 contact\*) or tickl\*).ti,ab.
- 79 (socialisation or verbal stimul\*).sh. or (((early or sensory) adj2 (socialis\* or stimulation)) or (sensitiv\* adj2 responsiv\*) or (stimulat\* adj3 (percept\* or physical\* or tactil\*)) or (stimulat\* adj3 (program\* or intervene\* or therap\*))).ti,ab.
- 80 (holding or restrain\* or rebirth\* or re birth).ti,ab.
- 81 ((nonviolent or violent) adj3 resistan\*).ti,ab.
- 82 (cues adj3 clues).ti,ab.
- 83 (self adj2 regulat\*).ti,ab.
- 84 or/11,18,30,38,47-49,62-83

#### Search 4

- 1 group conferenc\*.ti,ab.
- 2 special education.ti,ab,sh.
- 3 (reparent\* or re parent\*).ti,ab.
- 4 didactic.ti,ab.
- 5 social pedagogy.ti,ab.
- 6 mentalisation/ use psyh or mentali?ation.ti,ab.
- 7 (video\* adj2 (interact\* or guidan\*)).ti,ab.
- 8 (coercive adj2 (intervention\* or method\* or program\* or therap\* or technique\*)).ti,ab.
- 9 narrative therapy/ or storytelling/
- 10 9 use emez
- 11 narration/ or personal narrative\*.sh.
- 12 11 use mesz
- 13 journal writing/ or narrative therapy/ or narratives/ or storytelling/
- 14 13 use psyh
- 15 (diary or diaries or journal writing or narrative or storytell\* or story tell\*).ti,ab.
- 16 (care proceeding\* or ((alcohol\* or drug) adj2 court\*) or fdac).ti,ab.
- 17 (manuali\* adj2 (model\* or program\* or therap\* or treat\*)).ti,ab.
- 18 (((reunit\* or reunificat\*) adj2 famil\*) or attachment style or cue\*1 or emotion\* or facial expression\* or eye contact\* or feeling\* or non verbal\* or nurtur\* or play\* or smiling or touch\* or verbal\* or voice or ((care give\* or caregive\* or carer\* or maternal or mother\* or

- parent\*) adj2 (responsive\* or sensitiv\*)) or (sensitive adj2 responsive\*) or personal book or positive parenting or ((assist\* or enhanc\* or facilitat\* or help\* or improv\* or intervention\* or program\* or therap\*) adj5 (infant adj2 mother\*) adj2 (bond\* or relation\*))).ti,ab.
- 19 (attunement or (representation\* adj2 model\*)).ti,ab.
- 20 or/1-8,10,12,14-19  
 (5dr program\* or early intervention foster care program or abc intervention or (attachment adj2 biobehavioural catch up) or buckarest early intervention project or (circle adj3 security) or (developmental education adj2 families) or evergreen model or (florida adj3 (program\* or intervention\* or therap\*)) or fostering healthy futures or (foster care programme adj2 preschoolers) or (growing adj2 couple adj2 family) or healthy families new york or healthy start or houston child advocates or incredible years or (infant adj2 toddler program) or (kangaroo adj2 care) or (leiden adj3 (program\* or intervention\* or therap\*)) or matching by\*1 heart or (mellow adj3 (baby or babies or parent\*)) or (minding adj2 baby) or (new orleans adj3 (intervention\* or program\* or therap\*)) or (neurosequential model adj2 therapeutics) or orion project or pre-mapp or premapp or (preventive behaviour problems intervention adj2 children) or post-mapp or postmapp or project care or promoting first relationships or safecare or (sing adj2 grow) or solihull or (tamars adj3 children\*) or the social baby or (together facing adj2 challenge) or triple p or positive parenting or (tulane adj3 (team\* or program\* or intervention\* or therap\*)) or (watch adj2 wait adj2 wonder) or theraplay).ti,ab.
- 22 or/20-21

## **Study design filters**

### **Systematic review study design filters**

Embase, Medline, Medline In-Process, PsycINFO - OVID SP

- 1 meta analysis/ or systematic review/
- 2 1 use emez
- 3 meta analysis.sh,pt. or "meta-analysis as topic"/ or "review literature as topic"/
- 4 3 use mesz, prem
- 5 (literature review or meta analysis).sh,id,md. or systematic review.id,md.
- 6 5 use psych  
 (exp bibliographic database/ or (((electronic or computer\* or online) adj database\*) or
- 7 bids or cochrane or embase or index medicus or isi citation or medline or psychlit or  
 psychlit or scisearch or science citation or (web adj2 science)).ti,ab.) and  
 (review\*.ti,ab,sh,pt. or systematic\*.ti,ab.)
- 8 7 use emez  
 (exp databases, bibliographic/ or (((electronic or computer\* or online) adj database\*) or
- 9 bids or cochrane or embase or index medicus or isi citation or medline or psychlit or  
 psychlit or scisearch or science citation or (web adj2 science)).ti,ab.) and  
 (review\*.ti,ab,sh,pt. or systematic\*.ti,ab.)
- 10 9 use mesz, prem
- 11 (computer searching.sh,id. or (((electronic or computer\* or online) adj database\*) or bids  
 or cochrane or embase or index medicus or isi citation or medline or psychlit or psychlit or



- scisearch or science citation or (web adj2 science)).ti,ab.) and (review\*.ti,ab,pt. or systematic\*.ti,ab.)
- 12 11 use psych
  - 13 ((analy\* or assessment\* or evidence\* or methodol\* or quantitativ\* or systematic\*) adj2 (overview\* or review\*)).tw. or ((analy\* or assessment\* or evidence\* or methodol\* or quantitativ\* or systematic\*).ti. and review\*.ti,pt.) or (systematic\* adj2 search\*).ti,ab.
  - 14 (metaanal\* or meta anal\*).ti,ab.
  - 15 (research adj (review\* or integration)).ti,ab.
  - 16 reference list\*.ab.
  - 17 bibliograph\*.ab.
  - 18 published studies.ab.
  - 19 relevant journals.ab.
  - 20 selection criteria.ab.
  - 21 (data adj (extraction or synthesis)).ab.
  - 22 (handsearch\* or ((hand or manual) adj search\*)).ti,ab.
  - 23 (mantel haenszel or peto or dersimonian or der simonian).ti,ab.
  - 24 (fixed effect\* or random effect\*).ti,ab.
  - 25 ((pool\* or combined or combining) adj2 (data or trials or studies or results)).ti,ab.
  - 26 or/2,4,6,8,10,12-25

## **Randomized controlled trials study design filter**

Embase, Medline, PreMedline, PsycINFO - OVID

- 1 exp "clinical trial (topic)" / or exp clinical trial / or crossover procedure / or double blind procedure / or placebo / or randomization / or random sample / or single blind procedure /
- 2 1 use emez
- 3 exp clinical trial / or exp "clinical trials as topic" / or cross-over studies / or double-blind method / or placebos / or random allocation / or single-blind method /
- 4 3 use mesz, prem
- 5 (clinical trials or placebo or random sampling).sh,id.
- 6 5 use psych
- 7 (clinical adj2 trial\*).ti,ab.
- 8 (crossover or cross over).ti,ab.
- 9 (((single\* or doubl\* or trebl\* or tripl\*) adj2 blind\*) or mask\* or dummy or doubleblind\* or singleblind\* or trebleblind\* or tripleblind\*).ti,ab.
- 10 (placebo\* or random\*).ti,ab.
- 11 treatment outcome\*.md. use psych
- 12 animals / not human\*.mp. use emez
- 13 animal\* / not human\* / use mesz, prem
- 14 (animal not human).po. use psych

15 (or/2,4,6-11) not (or/12-14)

### **Observational study design filter**

Embase, Medline, PreMedline, PsycINFO - OVID

- 1 exp case control study/ or cohort analysis/ or cross-sectional study/ or follow up/ or longitudinal study/ or observational study/ or prospective study/ or retrospective study/
- 2 1 use emez
- 3 exp case control studies/ or exp cohort studies/ or cross-sectional studies/ or epidemiologic studies/
- 4 [3 use mesz]  
(cohort analysis or followup studies or longitudinal studies or prospective studies or retrospective studies).sh,id. or (followup study or longitudinal study or prospective study or retrospective study).md.
- 5 [5 use psyh]
- 7 ((epidemiologic\* or observational) adj (study or studies)).ti,ab.  
(cohort\*1 or cross section\* or crosssection\* or followup\* or follow up\* or followed or longitudinal\* or prospective\* or retrospective\*).ti,ab.
- 8 (case adj2 (control or series)).ti,ab.
- 9 or/2,4,6-9

### **Health economic and quality of life study design filter**

Embase, Medline, PreMEDLINE, PsycINFO - OVID

- 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  
exp budgets/ or exp "costs and cost analysis"/ or economics/ or exp economics,
- 3 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  
exp "costs and cost analysis"/ or "cost containment"/ or economics/ or finance/ or
- 5 funding/ or health care economics/ or pharmacoeconomics/ or exp professional fees/ or resource allocation/
- 6 5 use psyh  
(cost\$ or economic\$ or pharmacoeconomic\$ or pharmaco economic\$).ti. or (cost\$ adj2
- 7 (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.

- decision theory/ or decision tree/ or monte carlo method/ or \*nonbiological model/ or  
8 (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 qw\$b\$).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 qw\$b 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

