SEARCH STRATEGIES FOR THE IDENTIFICATION OF CLINICAL STUDIES

Scoping searches

A broad preliminary search of the literature was undertaken in September 2013 to obtain an overview of the issues likely to be covered by the scope, and to help define key areas. Searches were restricted to clinical guidelines, Health Technology Assessment (HTA) reports, key systematic reviews and RCTs.

- BMJ Clinical Evidence
- Canadian Medical Association (CMA) Infobase (Canadian guidelines)
- Clinical Policy and Practice Program of the New South Wales Department of Health (Australia)
- Clinical Practice Guidelines (Australian Guidelines)
- Cochrane Central Register of Controlled Trials (CENTRAL)
- Cochrane Database of Abstracts of Reviews of Effects (DARE)
- Cochrane Database of Systematic Reviews (CDSR)
- Excerpta Medica Database (Embase)
- Guidelines International Network (G-I-N)
- Health Evidence Bulletin Wales
- Health Management Information Consortium [HMIC]
- HTA database (technology assessments)
- Medical Literature Analysis and Retrieval System Online (MEDLINE/MEDLINE In-Process)
- National Health and Medical Research Council (NHMRC)
- National Library for Health (NLH) Guidelines Finder
- New Zealand Guidelines Group
- NHS Centre for Reviews and Dissemination (CRD)
- Organizing Medical Networked Information (OMNI) Medical Search
- Scottish Intercollegiate Guidelines Network (SIGN)
- Turning Research Into Practice (TRIP)
- United States Agency for Healthcare Research and Quality (AHRQ)
- Websites of NICE – including NHS Evidence - and the National Institute for Health Research (NIHR) HTA Programme for guidelines and HTAs in development.

Further information about this process can be found in the NICE Guidelines Manual (NICE, 2014).

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? 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? What features of arrangements made for	General medical databases: Search 1 [(population terms) AND (risk factor terms)] Search 2 [(population terms) AND (biological/environmental/process feature/feature of arrangement terms) AND (SR/RCT/observational study design filter terms)] Topic specific databases: [(population terms) AND (SR/RCT/observational study design filter terms)]	SR, RCT, Observational studies	General medical databases: CDSR, DARE, CENTRAL, Embase, HTA, MEDLINE, PreMedline, PsycINFO Topic specific databases: ASSIA, British Education Index, CINAHL, ERIC, IBSS, Social Care Online, Social Services Abstracts, Sociological Abstracts	Database inception to February 2015

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?				
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	CENTRAL, 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	CENTRAL, Embase, MEDLINE, PreMedline, PsycINFO	2009 to February 2015
	HTA (updates search on "measures used to identify attachment patterns and attachment disorders")	All studies	CENTRAL, 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/assessessment) AND (diagnostic accuracy filter)) OR (named tools)]	All studies	CENTRAL, Embase, MEDLINE, PreMedline, PsycINFO	Database inception to February 2015
Topic: Prevention of attachment disorders and problems				
Review question(s)	**Search construction**	**Study design searched**	**Databases searched**	**Date range searched**
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?	General medical databases: [(population terms) AND (preventive intervention terms) AND (SR/RCT)] Topic specific databases: [(population terms) AND (SR/RCT study design filter terms)]	SR, RCT	General medical databases: CDSR, DARE, CENTRAL, Embase, HTA, MEDLINE, PreMedline, PsycINFO Topic specific databases: ASSIA, British Education Index, CINAHL, ERIC, IBSS, Social Care Online, Social Services Abstracts, Sociological Abstracts	Database inception to February 2015

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?	General medical databases: [(population terms) AND (preventive intervention terms) AND (SR/RCT)] Topic specific databases: [(population terms) AND (SR/RCT study design filter terms)]	SR, RCT	General medical databases: CDSR, DARE, CENTRAL, Embase, HTA, MEDLINE, PreMedline, PsycINFO Topic specific databases: ASSIA, British Education Index, CINAHL, ERIC, IBSS, Social Care Online, Social Services Abstracts, Sociological Abstracts	Database inception to February 2015
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?	General medical databases: [(population terms) AND (preventive intervention terms) AND (SR/RCT)] Topic specific databases: [(population terms) AND (SR/RCT study design filter terms)]	SR, RCT	General medical databases: CDSR, DARE, CENTRAL, Embase, HTA, MEDLINE, PreMedline, PsycINFO Topic specific databases: ASSIA, British Education Index, CINAHL, ERIC, IBSS, Social Care Online, Social Services Abstracts, Sociological Abstracts	Database inception to February 2015
Topic: Treatment of disorganised attachment and attachment disorders				
Review question(s)	**Search construction**	**Study design searched**	**Databases searched**	**Date range searched**

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?	General medical databases: [(population terms) AND (intervention terms) AND (SR/RCT)] Topic specific databases: [(population terms) AND (SR/RCT study design filter terms)]	SR, RCT	General medical databases: CDSR, DARE, CENTRAL, Embase, HTA, MEDLINE, PreMedline, PsycINFO Topic specific databases: ASSIA, British Education Index, CINAHL, ERIC, IBSS, Social Care Online, Social Services Abstracts, Sociological Abstracts	Database inception to February 2015
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?	General medical databases: [(population terms) AND (intervention terms) AND (SR/RCT)] Topic specific databases: [(population terms) AND (SR/RCT study design filter terms)]	SR, RCT	General medical databases: CDSR, DARE, CENTRAL, Embase, HTA, MEDLINE, PreMedline, PsycINFO Topic specific databases: ASSIA, British Education Index, CINAHL, ERIC, IBSS, Social Care Online, Social Services Abstracts, Sociological Abstracts	Database inception to February 2015

Population search terms

Embase, Medline, PreMedline, PsycINFO – OVID

1 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 psyh

7 (affect regulation or (attach* adj2 (abnormal* or ambivalen* or anxious* or avoidant or behavior* or behaviour* or diffuse or disinhib* or disorder* or disorgani* or disorienta* or disrupt* or disturb* or early or inhib* or insecure* or interven* or organi* or pattern* or problem* 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).ti,ab.

8 ((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 caregiv* or care giv* 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 adoption/ or adopted child/ or adoptive parent/ or foster care/ or institutional care/ or institutionalization/ or orphanage/ or residential home/

12 11 use emez

13 adoption/ or child, institutionalized/ or foster home care/ or group homes/ or institutionalization/ or orphanages/ or residential facilities/

14 13 use mesz

15 adoptees/ or exp "adoption (child)"/ or adoptive parents/ or foster care/ or foster children/ or foster parents/ or group homes/ or institutional schools/ or institutionalization/ or orphanages/ or residential care institutions/

16 15 use psyh

17 (((adopt* or foster*) adj3 (carer*1 or caregiv* or care giv* 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 ((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,ab.

18 or/12,14,16-17

19 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/

20 19 use emez

21 exp adolescent/ or adolescent development/ or exp child/ or exp child development/ or exp infant/ or minors/ or puberty/ or puberty, delayed/ or puberty, precocious/ or students/ or exp schools/

22 21 use mesz

23 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/ 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.

27 (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* or 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 foster parents/ or exp parent child communication/ or exp parent child relations/ or parental involvement/ or exp parenting/ or exp parents/

40 39 use psyh

41 (carer*1 or caregiv* or care giv* 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)

<u>Central, CDSR, DARE, HTA - Wiley</u>

1 mesh descriptor: [reactive attachment disorder] this term only

2 (“affect regulation” or (attach* near/2 (abnormal* or ambivalen* or anxious* or avoidant or behavior* or behaviour* or diffuse or disinhib* or disorder or disorgani* or disorienta* or disrupt* or disturb* or early or inhib* or insecure* or interven* or organi* or pattern or problem or reactive or relation* or secure or security or style or theories or theory)) or “attuned care” or (bonding near/1 (disorder* or failure)) or “co regulation” or coregulation or (compulsive near/2 (compliance or selfrelian* or “self relian*”)) or “developmental trauma” or (disorgani* near/2 (caregiv* or “care giv*” or relation*)) or ((fail* or reject* or secur*) near/2 attach*) or (insecur* near/2 (ambivalen* or attach* or avoidan* or disorgani*)) or (“negative intrusive” near/2 behav*) or “proximity seeking” or “psychologically attuned”):ti,ab

3 ((attach* near/5 (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 near/2 (adult* or people* or patient* or person* or population*)) or youngster* or youth* or carer or caregiv* or "care giv*" 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) near/2 partner*))) or (attach* and (maternal or mother* or pregnan*)) or "mother child dyad*"):ti,ab

4 attachment:ti,ab

5 #1 or #2 or #3 or #4

6 mesh descriptor: [adoption] this term only

7 mesh descriptor: [child care] this term only

8 mesh descriptor: [child custody] this term only

9 mesh descriptor: [child, institutionalized] this term only

10 mesh descriptor: [foster home care] this term only

11 mesh descriptor: [group homes] this term only

12 mesh descriptor: [infant care] this term only

13 mesh descriptor: [institutionalization] this term only

14 mesh descriptor: [orphanages] this term only

15 mesh descriptor: [residential facilities] this term only

16 (((adopt* or foster*) near/3 (carer or caregiv* or "care giv*" 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 ((adoptive or foster*) near/1 (care or home*)) or ((adopt* or foster* or "group home*" or (place* near/2 care) or institution* or ("local authority" near/2 care) or "looked after*" or "out of home care" or placement* or residential) near/3 (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 near/2 (adult* or people* or patient* or person* or population*)) or youngster* or youth*)) or ("care order*" or "care giving environment" or (care near/2 (leaver or proceeding*)) or "childrens home" or (child* near/2 (accom* or "care home*" or establishment* or home* or institution*)) or "corporate parent*" or "unplanned move" or "edge of care" or (family near/2 friends care) or "kinship care" or "state dependent*")):ti,ab

17 #6 or #7 or #8 or #9 or #10 or #11 or #12 or #13 or #14 or #15 or #16

18 mesh descriptor: [child] explode all trees

19 mesh descriptor: [infant] 1 tree(s) exploded 1

20 mesh descriptor: [adolescent development] this term only

21 mesh descriptor: [child development] explode all trees

22 mesh descriptor: [minors] this term only

23 mesh descriptor: [puberty, delayed] this term only

24 mesh descriptor: [puberty, precocious] this term only

25	mesh descriptor: [students] this term only
26	mesh descriptor: [adolescent] this term only
27	mesh descriptor: [schools] 2 tree(s) exploded
28	(adolescen* or child* or infan* or juvenile* or "play therap*" or teen*):kw
29	(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* or toddler* or (young near/2 (adult* or people* or patient* or person* or population*)) or youngster* or youth*):ti,ab
30	#18 or #19 or #20 or #21 or #22 or #23 or #24 or #25 or #26 or #27 or #28 or #29
31	mesh descriptor: [family therapy] this term only
32	mesh descriptor: [caregivers] this term only
33	mesh descriptor: [maternal behavior] 1 tree(s) exploded
34	mesh descriptor: [parent-child relations] explode all trees
35	mesh descriptor: [parenting] this term only
36	mesh descriptor: [parents] 3 tree(s) exploded
37	mesh descriptor: [paternal behavior] this term only
38	(carer or caregiv* or "care giv*" 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) near/2 partner*) or (significant near/2 (adult* or relation*))):ti,ab
39	(father* or mother* or parent*):kw
40	#31 or #32 or #33 or #34 or #35 or #36 or #37 or #38 or #39
41	(fetal or foetal or fetus or foetus or infant* or newborn* or neonat* or "new born*"):ti,ab,hw.
42	(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.
43	(#5 or #17) and (#30 or #40 or #41 or #42)

<u>CINAHL - Ebsco</u>

1	(mh "attachment behavior") or (mh "reactive attachment disorder")
2	ti ("affect regulation" or (attach* n2 (abnormal* or ambivalen* or anxious* or avoidant or behavior* or behaviour* or diffuse or disinhib* or disorder or disorgani* or disorienta* or disrupt* or disturb* or early or inhib* or insecure* or interven* or organi* or pattern or problem or reactive or relation* or secure or security or style or theories or theory)) or "attuned care" or (bonding n1 (disorder* or failure)) or "co regulation" or coregulation or (compulsive n2 (compliance or selfrelian* or "self relian*")) or "developmental trauma" or (disorgani* n2 (caregiv* or "care giv*" or relation*)) or ((fail* or reject* or secur*) n2 attach*) or (insecur* n2 (ambivalen* or

attach* or avoidan* or disorgani*)) or (“negative intrusive” n2 behav*) or “proximity seeking” or “psychologically attuned”) or ab (“affect regulation” or (attach* n2 (abnormal* or ambivalen* or anxious* or avoidant or behavior* or behaviour* or diffuse or disinhib* or disorder or disorgani* or disorienta* or disrupt* or disturb* or early or inhib* or insecure* or interven* or organi* or pattern or problem or reactive or relation* or secure or security or style or theories or theory)) or “attuned care” or (bonding n1 (disorder* or failure)) or “co regulation” or coregulation or (compulsive n2 (compliance or selfrelian* or “self relian*”)) or “developmental trauma” or (disorgani* n2 (caregiv* or “care giv*” or relation*)) or ((fail* or reject* or secur*) n2 attach*) or (insecur* n2 (ambivalen* or attach* or avoidan* or disorgani*)) or (“negative intrusive” n2 behav*) or “proximity seeking” or “psychologically attuned”)

3 ti ((attach* n5 (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 n2 (adult* or people* or patient* or person* or population*)) or youngster* or youth* or carer or caregiv* or “care giv*” 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) n2 partner*))) or (attach* and (maternal or mother* or pregnan*)) or “mother child dyad*”) or ab ((attach* n5 (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 n2 (adult* or people* or patient* or person* or population*)) or youngster* or youth* or carer or caregiv* or “care giv*” 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) n2 partner*))) or (attach* and (maternal or mother* or pregnan*)) or “mother child dyad*”)

4 ti attachment or ab attachment

5 s1 or s2 or s3 or s4

6 (mh "adoption+") or (mh "adoptive parents") or (mh “child, adopted”)

7 (mh "child, institutionalized")

8 (mh “child foster”) or (mh "foster home care") or (mh "foster parents")

9 (mh “child, institutionalized”) or (mh “institutionalization")

10 (mh "orphans and orphanages")

11 (mh "residential facilities")

12 ti (((adopt* or foster*) n3 (carer or caregiv* or “care giv*” 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 ((adoptive or foster*) n1 (care or home*)) or ((adopt* or foster* or “group home*” or (place* n2 care) or institution* or (“local authority” n2 care) or “looked after*” or “out of home care” or placement* or

residential) n3 (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 n2 (adult* or people* or patient* or person* or population*)) or youngster* or youth*)) or (“care order*” or “care giving environment” or (care n2 (leaver or proceeding*)) or “childrens home” or (child* n2 (accom* or “care home*” or establishment* or home* or institution*)) or “corporate parent*” or “unplanned move” or “edge of care” or (family n2 friends care) or “kinship care” or “state dependent*”)) or ab (((adopt* or foster*) n3 (carer or caregiv* or “care giv*” 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 ((adoptive or foster*) n1 (care or home*)) or ((adopt* or foster* or “group home*” or (place* n2 care) or institution* or (“local authority” n2 care) or “looked after*” or “out of home care” or placement* or residential) n3 (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 n2 (adult* or people* or patient* or person* or population*)) or youngster* or youth*)) or (“care order*” or “care giving environment” or (care n2 (leaver or proceeding*)) or “childrens home” or (child* n2 (accom* or “care home*” or establishment* or home* or institution*)) or “corporate parent*” or “unplanned move” or “edge of care” or (family n2 friends care) or “kinship care” or “state dependent*”))

13 s6 or s7 or s8 or s9 or s10 or s11 or s12

14 (mh "child+")

15 (mh "infant+")

16 (mh "adolescent development")

17 (mh "child development") or (mh “infant development)

18 (mh "minors (legal)")

19 (mh "puberty, delayed")

20 (mh "puberty, precocious")

21 (mh "students, middle school") or (mh "students, high school")

22 (mh "adolescence+")

23 (mh "schools, elementary") or (mh "schools, middle") or (mh "schools, nursery") or (mh "schools, secondary") or (mh "schools, special")

24 tx (adolescen* or child* or infan* or juvenile* or “play therap*” or teen*) or mw (adolescen* or child* or infan* or juvenile* or “play therap*” or teen*)

25 ti (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* or toddler* or (young n2 (adult* or people* or patient* or

person* or population*)) or youngster* or youth*) or 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 "play therap*" or preadolescen* or preschool* or preteen* or school* or student* or teen* or toddler* or (young n2 (adult* or people* or patient* or person* or population*)) or youngster* or youth*)

26 s14 or s15 or s16 or s17 or s18 or s19 or s20 or s21 or s22 or s23 or s24 or s25

27 (mh "family therapy (iowa nic)") or (mh "family therapy")

28 (mh "caregivers")

29 (mh "maternal behavior")

30 (mh "parent-child relations+")

31 (mh "parenting")

32 (mh "parents+")

33 (mh "paternal behavior")

34 ti (carer or caregiv* or "care giv*" 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) n2 partner*) or (significant n2 (adult* or relation*))) or ab (carer or caregiv* or "care giv*" 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) n2 partner*) or (significant n2 (adult* or relation*)))

35 tx (father* or mother* or parent*) or mw (father* or mother* or parent*)

36 s27 or s28 or s29 or s30 or s31 or s32 or s33 or s34 or s35

37 tx (fetal or foetal or fetus or foetus or infant* or newborn* or neonat* or "new born*") or mw (fetal or foetal or fetus or foetus or infant* or newborn* or neonat* or "new born*")

38 tx (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*) or mw (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*)

39 (s5 or s13) and (s26 or s36 or s37 or s38)

<u>ASSIA, British Education Index, ERIC, IBSS, Sociological Abstracts, Social Services Abstracts – ProQuest</u>

1. (("affect regulation" or (attach* near/2 (abnormal* or ambivalen* or anxious* or avoidant or behavior* or behaviour* or diffuse or disinhib* or disorder or disorgani* or disorienta* or disrupt* or disturb* or early or inhib* or insecure* or interven* or organi* or pattern or problem or reactive or relation* or secure or security or style or theories or theory)) or "attuned care" or (bonding near/1 (disorder* or failure)) or

“co regulation” or coregulation or (compulsive near/2 (compliance or selfrelian* or “self relian*”)) or “developmental trauma” or (disorgani* near/2 (caregiv* or “care giv*” or relation*)) or ((fail* or reject* or secur*) near/2 attach*) or (insecur* near/2 (ambivalen* or attach* or avoidan* or disorgani*)) or (“negative intrusive” near/2 behav*) or “proximity seeking” or “psychologically attuned”) or ((attach* near/5 (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 near/2 (adult* or people* or patient* or person* or population*)) or youngster* or youth* or carer or caregiv* or “care giv*” 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) near/2 partner*))) or (attach* and (maternal or mother* or pregnan*)) or “mother child dyad*”) or attachment or (((adopt* or foster*) near/3 (carer or caregiv* or “care giv*” 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 ((adoptive or foster*) near/1 (care or home*)) or ((adopt* or foster* or “group home*” or (place* near/2 care) or institution* or (“local authority” near/2 care) or “looked after*” or “out of home care” or placement* or residential) near/3 (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 near/2 (adult* or people* or patient* or person* or population*)) or youngster* or youth*)) or (“care order*” or “care giving environment” or (care near/2 (leaver or proceeding*)) or “childrens home” or (child* near/2 (accom* or “care home*” or establishment* or home* or institution*)) or “corporate parent*” or “unplanned move” or “edge of care” or (family near/2 friends care) or “kinship care” or “state dependent*”))) 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 “play therap*” or preadolescen* or preschool* or preteen* or school* or student* or teen* or toddler* or (young near/2 (adult* or people* or patient* or person* or population*)) or youngster* or youth*) or (carer or caregiv* or “care giv*” 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) near/2 partner*) or (significant near/2 (adult* or relation*))) or (fetal or foetal or fetus or foetus or infant* or newborn* or neonat* or

"new born*") or (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*))

Social Care Online – SCIE

1. allfields:(adopt* or attach* or dyad* or foster* or institution* or "local authority care" or "looked after" or "out of home care" or placement* or residential or "state care") and (adolescen* or child* or infant* or teenag*)

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?
Review question	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?
Review question	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?

Search 1 – mapped to all questions

Embase, Medline, PreMedline, PsycINFO – OVID

1. high risk population/ or risk factor/
2. 1 use emez
3. risk factors/
4. 3 use mesz
5. "at risk populations"/ or risk factors/
6. 5 use psyh
7. disease association.sh.
8. ((biologic* or environmental or protective* or risk*1) adj2 (factor* or indicator* or influenc* or marker*)).ti,ab.

9. ((affect regulation or (attach* adj2 (abnormal* or ambivalen* or anxious* or avoidant or behavior* or behaviour* or diffuse or disinhib* or disorder* or disorgani* or disorienta* or disrupt* or disturb* or early or inhib* or insecure* or interven* or organi* or pattern* or problem* 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 caregiv* or care giv* 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.)
10. (((adopt* or foster*) adj3 (carer*1 or caregiv* or care giv* 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 ((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.)
11. ((affect regulation or (attach* adj2 (abnormal* or ambivalen* or anxious* or avoidant or behavior* or behaviour* or diffuse or disinhib* or disorder* or disorgani* or disorienta* or disrupt* or disturb* or early or inhib* or insecure* or interven* or organi* or pattern* or problem* 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 caregiv* or care giv* 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*)) 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.)

12. (((adopt* or foster*) adj3 (carer*1 or caregiv* or care giv* 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 ((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*)) 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.)
13. or/2,4,6-12

Search 2 - familial biological and environmental factors

<u>Embase, Medline, PreMedline, PsycINFO – OVID</u>

1 mental disease/ or mental patient/

2 1 use emez

3 mental disorders/ or mentally ill persons/

4 3 use mesz,psyh

5 exp chronic mental illness/ or mental disorders/

6 5 use psyh

7 anxiety/ or exp anxiety disorder/ or hyperhidrosis/ or mutism/ or social phobia/

8 7 use emez

9 anxiety/ or exp anxiety disorders/ or blushing/ or exp hyperhidrosis/ or mutism/ or phobic disorders/ or shyness/

10 9 use mesz

11 anxiety/ or exp anxiety disorders/ or elective mutism/ or social anxiety/ or social phobia/ or sweating/ or timidity/

12 11 use psyh

13 (body dysmorphic disorder or compulsions or compulsive behavior or obsessive behavior).sh.

14 panic.sh.

15 (critical incident stress or emotional trauma or psychological stress or stress, psychological or traumatic neurosis).sh.

16 exp eating disorder/ use emez or exp eating disorders/ use mesz,psyh

17 exp mood disorder/ use emez

18 depression/ or exp mood disorders/ use mesz

19 exp affective disorders/ use psyh

20 "explode schizophrenia"/ or (psychosis* or psychotic*).hw.

21 20 use emez

22 exp psychotic disorders/ or exp schizophrenia/ or "schizophrenia and disorders with psychotic features"/

23 22 use mesz

24 exp psychosis/ or exp schizophrenia/

25 24 use psyh

26 exp personality disorder/ use emez

27 exp personality disorders/ use mesz

28 borderline states/ or exp personality disorders/

29 28 use psyh

30 exp alcohol abuse/ or exp drug dependence/ or exp drug abuse/ or exp "smoking and smoking related phenomena"/ or substance abuse/

31 30 use emez

32 drug seeking behavior/ or exp smoking/ or exp substance-related disorders/

33 32 use mesz

34 addiction/ or exp drug abuse/ or drug overdoses/ or sobriety/ or exp tobacco smoking/

35 34 use psyh

36 (alcoholi* or (alcohol* and (abstinence or detoxification or intoxicat* or rehabilit* or

withdraw*))).id,hw.

37 (attention deficit* or attention disturbance or disruptive behavior).sh.

38 conduct disorder/ or "oppositional defiant disorder"/

39 38 use emez

40 child behavior disorders/ or conduct disorder/

41 40 use mesz

42 exp behavior problems/ or conduct disorder/ or "oppositional defiant disorder"/

43 42 use psyh

44 ((((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 caregiv* or care giv* 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.

45 ((acrophob* or agoraphob* or claustrophob* or emetophob* or enfantaphob* or homophob* or infantaphob* or kinesiophob* 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 ((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 caregiv* or care giv* 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.

46 ((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 caregiv* or care giv* 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.

47 ((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 caregiv* or care giv* 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.

48 2,4,6,8,10,12-19,21,23,25-27,29,31,33,35-37,39,41,43-47

49 exp child abuse/ use emez,mesz,psyh or child neglect/ use psyh

50 ((abus* or maltreat* or neglect*) adj7 (carer*1 or caregiv* or care giv* 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 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.

51 or/49-50

52 developmental disorder/ or exp learning disorder/ or sensory dysfunction/ or exp hearing disorder/ or exp intellectual impairment/ or exp language disability/ or exp speech disorder/

53 52 use emez

54 developmental disabilities/ or exp disabled persons/ or exp hearing disorders/ or exp intellectual disability/ or exp language disorders/ or exp learning disorders/

55 54 use mesz

56 exp disabilities/ or hearing disorders/ or exp intellectual development disorder/ or "intellectual development disorder (attitudes toward)"/ or language disorders/ or exp learning disorders/ or speech disorders/

57 56 use psyh

58 autism/ or asperger syndrome/

59 58 use emez

60 autistic disorder/ or asperger syndrome/

61 60 use mesz

62 autism/ or aspergers syndrome/

63 62 use psyh

64 (((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 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 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.

65 or/53,55,57,59,61,63-64

66 adolescent pregnancy/ or exp adolescent parent/

67 66 use emez

68 pregnancy in adolescence/

69 68 use mesz

70 adolescent mothers/ or adolescent fathers/ or adolescent mothers/ or adolescent pregnancy/

71 70 use psyh

72 ((adolescen* or school* or teen* or (young adj (adult* or person*))) adj3 (father* or maternal or mother* or parent* or paternal or pregnan*)).tw.

73 ((at risk or disadvantage* or high* risk) adj3 (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 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 carer*1 or caregiv* or care giv* 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.

74 or/67,69,71-73

75 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/

76 75 use emez

77 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/

78 77 use mesz

79 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/

80 79 use psyh

81 (((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.

82 or/76,78,80-81

83 "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/

84 83 use emez

85 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/

86 85 use mesz

87 "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 "susceptbilility (disorders)"/ or unemployment/

88 87 use psyh

89 ((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 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 carer*1 or caregiv* or care giv* 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.

90 or/84,86,88-89

91 prison/ or prisoner/

92 91 use emez

93 prisons/ or prisoners/

94 93 use mesz

95 correctional institutions/ or prisons/ or prisoners/

96 95 use psyh

97 ((convict*1 or custody or felon* or imprison* or gaol* or jail* or penitentiar* or prison* or ((correctional or penal) adj2 (facilit* or institution*))) adj7 (carer*1 or caregiv* or care giv* 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.

98 or/92,94,96-97

99 fear.sh.

100 ((fear* or frighten* or scary or scare*) adj3 (carer*1 or caregiv* or care giv* 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.

101 or/99-100

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

103 102 use emez

104 "death and dying"/ or early experence/ or emotional trauma/ or grief/ or parental death/ or "trauma"/

105 104 use mesz

106 (((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.

107 (((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 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.

108 or/103,105-107

109 ((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 (adult* or carer*1 or caregiv* or care giv* 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.

110 ((adopt* or foster* or group home* or insitutionali* or placement*) adj10 (adult* or carer*1 or caregiv* or care giv* or custodian* or guardian* or dad or dads or father* 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.

111 or/109-110

112 carrier protein/ or dna polymophism/ or dopamine 2 receptor/ or dopamine receptor/ or dopamine 4 receptor/ or genetic association/ or genetic polymorphism/ or genotype/ or membrane protein/ or promoter region/ or serotonin transporter/

113 112 use emez

114 "genetic predisposition to disease"/ or genotype/ or membrane glycoproteins/ or membrane transport proteins/ or polymophism, genetic/ or promoter regions, genetic/ or receptors, dopamine/ or receptors, dopamine d2/ or receptors, dopamine 4/ or serotonin plasma membrane transport proteins/

115 114 use mesz

116 dopamine/ or genetic linkage/ or genotypes/ or polymorphism/

117 116 use psyh

118 (drd4 or ((dopamine or d4) adj receptor) or g protein coupled receptor*).tw.

119 (((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.

120 (((carrier* or transport*) adj2 protein*) or (serotonin adj2 (carrier* or transport*)) or 5htt or 5 htt or 5httlpo or 5 httlpo or sert or sertpr).tw.

121 (or/113,115,117-120) 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.

122 or/65,74,82,90,101,121 or (or/48,51,98,108,111 and [parental terms from population string])

123 ((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))) or
((at or decreas* or elevat* or high or increas*) adj risk*) or
(factor* adj5 (associat* or related))).ti,ab. or prospective*.hw,pt.

124 or/122 and 123

Search 3 – process and arrangement factors

<u>Embase, Medline, PreMedline, PsycINFO – OVID</u>

1 exp siblings/ use psyh 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/ or foster parents/

5 4 use psyh

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

10 caregivers/ or exp parent child communication/ or exp parent child relations/ or parental involvement/ or exp parenting/ or exp parents/ or exp family therapy/ or parent training/ or parenting skills/

11 10 use psyh

12 (fostering or fostered or (foster* adj3 (care* or caregiv* 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

18 ((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 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 caregiv* or care giv* 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 caregiv* or care giv* 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.

19 (carer* or caregiv* 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.

20 14 and 18 and 19

21 17 or 20

22 acute stress disorder/ or bereavement/ or death/ or divorce/ or grief/ or life change events/ or maternal death/ or parental death/ or posttraumatic stress disorder/ or psychotrauma/

23 22 use emez

24 "death and dying"/ or early experence/ or emotional trauma/ or grief/ or parental death/ or exp stress disorders, traumatic/ or trauma/

25 24 use mesz

26 acute stress disorder/ or bereavement/ or birth trauma/ or "death and dying"/ or 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.

29 (((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.

30 (((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* or losing or separat*)) or loss reaction* or psychotrauma* or trauma*).tw.

31 (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 (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.

34 (acculturation or ((cultur* or ethnic* or ethnol* or faith* or language or linguistic or 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.

35 ((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 caregiv* 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 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 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*)).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

40 *attitude to health/ or comprehensive health care/ or exp consumer participation/ or 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

42 exp client attitudes/ or client satisfaction/ or exp health attitudes/ or client centered therapy/ or exp consumer attitudes/ or exp patient attitude/ or patient satisfaction/ or "quality of care"/ or treatment compliance/

43 42 use psyh

45 child attitudes/ use psyh

46 ((consumer or patient) adj2 (focus* or centered or centred)).ti,ab.

47 ((adolescen* or child* or grader* or juvenile* or preadolescen* or preteen* 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 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.

54 ((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.

55 ((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 caregiv* or care giv*)) 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.

56 or/50-55

57 geography/ use emez,mesz,psyh

58 demography/ use emez

59 communication barriers/ or demographic characteristics/

60 59 use psyh

61 (geograph* adj3 (distanc* or proximit*)).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*) adj3 (grandparent* or grand parent* or famil* or father* or mother* or parent* or resources or sibling*)).ti,ab.

63 ((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.

64 (((direct or indirect) adj contact*) or family ties or face to face contact or maintaining links or parental access).ti,ab.

65 or/57,58,60-64

66 ((level* adj2 contact*) or (contact* adj3 (famil* or father* or maternal* or mother* or parent* or paternal*))).ti,ab.

67 continuity of patient care/ or "length of stay"/ use emez

68 "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,psyh

77 social workers/ use psyh

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 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 caregiv* or care giv* 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 caregiv* or care giv* 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 psyh

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

89 absenteeism/ or exp communication disorders/ or (education* and achievement).hw. or exp education, special/ or language development/ or reading/ or social adjustment/ or writing/

90 89 use mesz

91 academic failure/ or exp academic achievement/ or exp communication disorders/ or exp dropouts/ or educational attainment level/ or language development/ or exp 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 psyh

93 ((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 adjustment or at*1 risk or attendance* or absence* or behavior* or behaviour* or breakdown* or break down* or change* or comptence 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.

94 (classroom accommodations or education liaison* or ((education or school) adj 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 psyh

97 (reunif* or re unif* or reunion* or re union* or reunit* or re unit*).ti,ab.

98 ((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 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*) adj5 (carer*1 or caregiv* or care giv* 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.

99 ((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*) adj5 return* adj5 (carer*1 or caregiv* or care giv* 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 caregiv* or care giv* 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 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 or/1,21,32,37,49,56,65,72,75,79,80,86,95,103

105 ((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))) or ((at or decreas* or elevat* or high or increas*) adj risk*) or (factor* adj5 (associat* or related))).ti,ab. or prospective*.hw,pt.

106 104 and 105

107 ((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 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 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.

108 106 or 107

Topic	Prediction, identification and assessment
Review question	What measurements/s can be used to predict children and young people at risk 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.
15 (((cai or paa or mcast or ssa or saa or ass or mbqs) adj5 (checklist* or * or assess* or 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 psyh
18 reactive attachment disorder/ use mesz
19 ((attachment adj2 (disorder* or problem* or style*1 or pattern*)) or (attachment adj2 (behavior* or behaviour* or ambivalen* or avoidant or diffuse or organi* or disorgani* or 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.

30 exp parents/ or exp parenting/ or dyads/ or exp child neglect/ or exp child abuse/ or 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).ag.

32 (adolescence 13 17 yrs or childhood birth 12 yrs or school age 6 12 yrs).ag.

33 or/30-32 use psyh

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 psyh

41 (sensitiv* or diagnos*).mp. or di.fs.

42 41 use mesz

43 (predict* or specificity).tw. or di.fs.

44 43 use emez

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**
Review question	What measurements/s can be used to identify/assess 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 emez

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 mesz

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 psyh

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

22 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 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

32 (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 sensititiv* or specificit* or valid*).tw.

33 or/27,29,31-32

34 25 and 33

35 (adult attachment interview or ainsworth extended method or ainsworth sensitivity scale or (attachment adj (qsort or q sort or qsest or q set)) or attachment story completion task or cassid* marvin or child attachment interview or coding of attachment related 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.

36 (((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.

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.

2 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 or flutin* or fluxen or fluxet or fluxetil or fluxetin or fontex or foxetin or foxtin or fropine or fuloren or lanclic or lilly 110140 or lilly110140 or lorien or lovan or magrilan or margrilan 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.

3 paroxetin*.ti,ab,hw. or (aropax or aroxat or brisdelle or brl 29060 or brl29060 or deroxat or dexorat or divarius or fg 7051 or fg7051 or hydrochloride hemih or motivan or paroxet or paxan or paxil or paxtine or paxxet 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.

5 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 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.

8 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 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 solvoxine 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 **prevention** 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 **prevention** 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 **prevention** 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 **management** 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 psyh
7 (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 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 psyh
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 psyh
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 psyh

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 (attrication* 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,psyh

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 psyh

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

37 (((attachment or coercive restraint or compression) adj2 therap*) or (foster* adj5 (train* or 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 psyh

46 (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* 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 psychologic 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

52 encouragement/ or friendships/ or interpersonal interaction/ or parent training/ or self 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 psyh

54 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 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/ or health fairs/ or health knowledge, attitudes, practice/ or exp health
56 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
58 exp written 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 psyh

(bibliotherap* or biblio therap* or (self adj (care or change or directed or help* or
60 instruct* 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
61 pamphlet* 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
62 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.

((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

66 behavior modification/ or communication skill/ or human relation/ or problem

solving/ 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

70 behavior modification/ or communication skills/ or communication skills training/ or 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 psyh

72 (((conflict or problem*) adj2 (resolution* or resolv* or solv* or solution*)) or (social adj (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.

80 ((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 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).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 psyh

7 or/2,4,6

8 exp adoption/ or adopted child/ or adoptive parent/ 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

12 adoptees/ or exp "adoption (child)"/ or adoptive parents/ or caregivers/ or foster care/ or foster children/ or foster parents/ or exp parent child communication/ or exp parent child relations/ or parental involvement/ or exp parenting/ or exp parents/

13 12 use psyh

14 (or/9,11,13) and (ed.fs. or educat*.sh.)

15 adoption/ or adopted child/ or adoptive parent/ 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

19 adoptees/ or exp "adoption (child)"/ or adoptive parents/ or caregivers/ or foster

care/ or foster children/ or foster parents/ or exp parent child communication/ or exp parent child relations/ or parental involvement/ or exp parenting/ or exp parents/

20 19 use psyh

21 (adopt* or carer*1 or caregiv* or care giv* or custodian* or foster* or guardian* or 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

27 encouragement/ or friendships/ or interpersonal interaction/ or parent training/ or self 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 psyh

29 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 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

31 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 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

33 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 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 psyh

35 (((adopt* or carer*1 or caregiv* or care giv* 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 caregiv* or care giv* or foster* or parent*) adj (based or cent* or focused or intervention* or therap* or treatment*))).ti,ab.

36 (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.

37 ((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.

38 (health adj2 (educat* or informat* or promot*)).ti,ab.

39 (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 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

41 (or/7,14) or (22 and 40) or (caves or (clinician* adj3 exposure*) or ((enhanc* or foster* or improv*) adj3 parenting practic*) or (modif* adj3 guidance) or ((story or stories) adj3 stem*) 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 psyh

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 reactive attachment disorder use mesz

12 early intervention/ use emez

13 "early intervention (education)"/

14 13 use mesz

15 early intervention/

16 15 use psyh

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

23 education/ or classroom behavior modification/ or classroom discipline/ or exp curriculum/ or exp educational programs/ or elementary education/ or high school 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

25 ((language or literac* or read or reads or reading or vocabulary) adj3 (build* or calendar* 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.

27 (((classroom* or class room* or curricul* or mentor* or peer or peers or school* or teacher* 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

43 exp community mental health services/ or community welfare services/ or home care/ or home visiting programs/ or home care personnel/ or home care/ or respite care/ or social worker/ use psyh

44 43 use psyh

45 ((communit* adj2 nurs*) or ((community or health*) adj2 (visit* or work*)) or community 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

48 (anger coping or ((behavioral or behavioural) adj ecological) or catch or computer based 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

54 independent living programs/ or life change events/ or life style/ or communication 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 psyh

56 ((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.

57 (skill* and (communit* or life or living or social or self care or independen* or self protect* or survival)).ti,ab.

58 (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.

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.

61 (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.

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 psyh

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 psyh

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 giv* or caregiv* 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

21 (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

<u>Study design filters</u>

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 psyh

7 (exp bibliographic database/ or (((electronic or computer* or online) adj database*) or bids or cochrane or embase or index medicus or isi citation or medline or psyclit 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

9 (exp databases, bibliographic/ or (((electronic or computer* or online) adj database*) or bids or cochrane or embase or index medicus or isi citation or medline or psyclit 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 psyclit 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 psyh

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

<u>ASSIA, British Education Index, ERIC, IBSS, Sociological Abstracts, Social Services Abstracts – ProQuest</u>

1. all ("literature review" or "meta analy*" or "systematic review")

<u>CINAHL – Ebsco</u>

s33	s1 or s2 or s3 or s4 or s5 or s6 or s7 or s8 or s9 or s10 or s11 or s12 or s13 or s14 or s15 or s16 or s22 or s23 or s26 or s27 or s28 or s29 or s30 or s31 or s32
s32	ti (analy* n5 review* or assessment* n5 review* or evidence* n5 review* or methodol* n5 review* or quantativ* n5 review* or systematic* n5 review*) or ab (analy* n5 review* or assessment* n5 review* or evidence* n5 review* or methodol*

	n5 review* or quantativ* n5 review* or systematic* n5 review*)
s31	ti (analy* n5 overview* or assessment* n5 overview* or evidence* n5 overview* or methodol* n5 overview* or quantativ* n5 overview* or systematic* n5 overview*) or ab (analy* n5 overview* or assessment* n5 overview* or evidence* n5 overview* or methodol* n5 overview* or quantativ* n5 overview* or systematic* n5 overview*)
s30	ti (pool* n2 results or combined n2 results or combining n2 results) or ab (pool* n2 results or combined n2 results or combining n2 results)
s29	ti (pool* n2 studies or combined n2 studies or combining n2 studies) or ab (pool* n2 studies or combined n2 studies or combining n2 studies)
s28	ti (pool* n2 trials or combined n2 trials or combining n2 trials) or ab (pool* n2 trials or combined n2 trials or combining n2 trials)
s27	ti (pool* n2 data or combined n2 data or combining n2 data) or ab (pool* n2 data or combined n2 data or combining n2 data)
s26	s24 and s25
s25	ti review* or pt review*
s24	ti analy* or assessment* or evidence* or methodol* or quantativ* or systematic*
s23	ti “systematic* n5 search*” or ab “systematic* n5 search*”
s22	(s17 or s18 or s19) and (s20 or s21)
s21	ti systematic* or ab systematic*
s20	tx review* or mw review* or pt review*
s19	(mh "cochrane library")
s18	ti (bids or cochrane or index medicus or “isi citation” or psyclit or psychlit or scisearch or “science citation” or web n2 science) or ab (bids or cochrane or index medicus or “isi citation” or psyclit or psychlit or scisearch or “science citation” or web n2 science)
s17	ti (“electronic database*” or “bibliographic database*” or “computeri?ed database*” or “online database*”) or ab (“electronic database*” or “bibliographic database*” or

	“computeri?ed database*” or “online database*”)
s16	(mh "literature review")
s15	pt systematic* or pt meta*
s14	ti (“fixed effect*” or “random effect*”) or ab (“fixed effect*” or “random effect*”)
s13	ti (“mantel haenszel” or peto or dersimonian or “der simonian”) or ab (“mantel haenszel” or peto or dersimonian or “der simonian”)
s12	ti (handsearch* or "hand search*" or "manual search*") or ab (handsearch* or "hand search*" or "manual search*")
s11	ab "data extraction" or "data synthesis"
s10	ab "selection criteria"
s9	ab "relevant journals"
s8	ab "published studies"
s7	ab bibliograph*
s6	ab "reference list*"
s5	ti (“research review*” or “research integration”) or ab (“research review*” or “research integration”)
s4	ti (metaanal* or “meta anal*”) or ab (metaanal* or “meta anal*”)
s3	(mh "meta analysis")
s2	(mh "systematic review")
s1	(mh "literature searching+")

Social Care Online - SCIE

1. allfields:(“literature review” or “meta analy*” or “systematic review”)

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 psyh
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 psyh
12 animals/ not human*.mp. use emez
13 animal*/ not human*/ use mesz, prem
14 (animal not human).po. use psyh
15 (or/2,4,6-11) not (or/12-14)

ASSIA, British Education Index, ERIC, IBSS, Sociological Abstracts, Social Services Abstracts – ProQuest

1. all:("double blind" or placebo* or random* or "single blind" or trial*)

CINAHL – Ebsco

s10	s9 not s8
s9	s1 or s2 or s3 or s4 or s5 or s6 or s7
s8	(mh "animals") not (mh "human")
s7	(pt "clinical trial") or (pt "randomized controlled trial")

s6	ti (placebo* or random*) or ab (placebo* or random*)
s5	ti (“single blind*” or “double blind*” or “treble blind*” or mask* or dummy* or singleblind* or doubleblind* or trebleblind*) or ab (“single blind*” or “double blind*” or “treble blind*” or mask* or dummy* or singleblind* or doubleblind* or trebleblind*)
s4	ti (crossover or “cross over “) or ab (crossover or “cross over”)
s3	ti clinical n2 trial* or ab clinical n2 trial*
s2	(mh "crossover design") or (mh "placebos") or (mh "random assignment") or (mh "random sample")
s1	(mh "clinical trials+")

Social Care Online - SCIE

1. allfields: (“double blind” or placebo* or random* or “single blind” or trial*)

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

5 (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.

6 5 use psyh

7 ((epidemiologic* or observational) adj (study or studies)).ti,ab.

8 (cohort*1 or cross section* or crosssection* or followup* or follow up* or followed or longitudinal* or prospective* or retrospective*).ti,ab.

9 (case adj2 (control or series or stud*)).ti,ab.

10 or/2,4,6-9

ASSIA, British Education Index, ERIC, IBSS, Sociological Abstracts, Social Services Abstracts – ProQuest

1. all("case control stud*" or "cohort stud*" or "cross sectional stud*" or "epidemiologic stud*" or "follow up stud*" or "longitudinal stud*" or "prospective stud*" or "retrospective stud*")

CINAHL – Ebsco

s4	s1 or s2 or s3
s3	ti ("case control" or cohort* or "cross sectional" or followup* or "follow up*" or followed or longitudinal or prospective* or retrospective*) or ab ("case control" or cohort* or "cross sectional" or followup* or "follow up*" or followed or longitudinal or prospective* or retrospective*)
s2	ti ("cross sectional" n2 study or "cross sectional" n2 studies or epidemiologic* n2 study or epidemiologic* n2 studies or observational* n2 study or observational* n2 studies) or ab ("cross sectional" n2 study or "cross sectional" n2 studies or epidemiologic* n2 study or epidemiologic* n2 studies or observational* n2 study or observational* n2 studies)
s1	(mh "correlational studies") or (mh "case control studies+") or (mh "cross sectional studies") or (mh "prospective studies+")

Social Care Online - SCIE

1. allfields: ("case control stud*" or "cohort stud*" or "cross sectional stud*" or "epidemiologic stud*" or "follow up stud*" or "longitudinal stud*" or "prospective stud*" or "retrospective stud*")