

APPENDIX 9:
SEARCH STRATEGIES FOR THE IDENTIFICATION OF
CLINICAL STUDIES

Search strategies

The search strategies should be referred to in conjunction with information set out in Chapter 3, Section 3.5.2. Each search was constructed using the groups of terms as set out in the summary of systematic search strategies table, below. The full set of terms constructed for use in MEDLINE follow.

Summary of systematic search strategies

Chapter 4: experience of care				
Review question ¹	Search type	Search construction	Study design limit	Databases/date range
RQ - F1, F2	Generic ² , supplements search for quantitative evidence [above]	[(autism terms) AND (qualitative/survey study design filters)]	Qualitative and survey research	Databases searched: CINAHL, Embase, HMIC, MEDLINE, PsycINFO, RQ, PsycBOOKS Date range searched: 01.01.1996 to 09.09.2011 ASSIA, IBSS, SSA, Sociological Abstracts Date range searched: 01.01.1996 to 10.10.2011
Chapters 5 to 8: case identification, assessment and diagnosis; organisation and delivery of care; psychosocial interventions; biomedical interventions				
Review question ¹	Search type	Search construction	Study design limit	Databases/date range
RQ - A1, A2/A2a; RQ - B1, B2, B3; RQ - C1, C2, C3, C4, C5, C6; RQ - D1, D2; RQ - E1, E2; RQ - F1, F2;	Generic ²	[(autism terms) AND (systematic reviews/RCT/quasi-experimental studies/observational studies/case series study design filters)]	Systematic reviews, RCT, quasi-experimental studies, observational studies, case series	Databases searched: AMED, ASSIA, AEI, BEI, CDSR, CENTRAL, CINAHL, DARE, Embase, ERIC, HMIC, MEDLINE, PsycINFO, Sociological Abstracts, SSA Date range searched: RCTs, quasi-experimental studies, observational studies, case series: inception of database up to 09.09.2011. systematic reviews: 1995 up to 09.09.2011.
Chapter 6: organisation and delivery of care				
Review question ⁵	Search type	Search construction	Study design limit	Databases/date range
RQ - E2 [subsection of question - search limited to residential care only]	Focused ⁶ , supplements generic search on autism	[(Learning disability terms) AND (residential care terms) AND (systematic reviews/RCT/quasi-experimental studies/observational studies/case series)]	Systematic reviews, RCT, quasi-experimental studies, observational	Databases searched: AMED, ASSIA, AEI, BEI, CDSR, CENTRAL, CINAHL, DARE, Embase, ERIC, HMIC, MEDLINE, PsycINFO, Sociological Abstracts, SSA

¹ See Appendix 7 for full details of review questions.

² Generic = broad search comprising terms for population and study design only.

		study design filters)]	studies, case series	Date range searched: RCT, quasi-experimental studies, observational studies: inception of database up to 09.09.2011; systematic reviews: 1995 up to 09.09.2011.
Chapter 7: psychosocial interventions				
Review question³	Search type	Search construction	Study design limit	Databases/date range
RQ – C1 [subsection of question – search limited to psychosocial interventions aimed at behaviour management only]	Focused ⁴ , supplements generic search for evidence on autism	[(Learning disability terms) AND (behaviour management terms) AND (systematic reviews/RCT/quasi-experimental studies/observational studies/case series study design filters)]	Systematic reviews, RCT, quasi-experimental studies, observational studies, case series	Databases searched: AMED, ASSIA, AEI, BEI, CDSR, CENTRAL, CINAHL, DARE, Embase, ERIC, HMIC, MEDLINE, PsycINFO, Sociological Abstracts, SSA Date range searched: RCT, quasi-experimental studies, observational studies, case series: inception of database up to 09.09.2011. Systematic reviews: 1995 up to 09.09.2011.
RQ – D1	Focused, supplements generic search for evidence on autism	[(Learning disability terms) AND (support for families, partners and carers terms) AND (systematic reviews/RCT/quasi-experimental studies/observational studies/case series study design filters)]	Systematic reviews, RCT, quasi-experimental studies, observational studies, case series	Databases searched: AMED, ASSIA, AEI, BEI, CDSR, CENTRAL, CINAHL, DARE, Embase, ERIC, HMIC, MEDLINE, PsycINFO, Sociological Abstracts, SSA Date range searched: RCT, quasi-experimental studies, observational studies, case series: inception of database up to 09.09.2011. Systematic reviews: 1995 up to 09.09.2011.

³ See Appendix 7 for full details of review questions.

⁴ Focused = specific search comprising terms for population, intervention and study design.

Chapter 8: biomedical interventions				
Review question⁵	Search type	Search construction	Study design limit	Databases/date range
RQ – C4 [subsection of question – search limited to biomedical interventions aimed at behaviour management only]	Focused ⁶ , supplements generic search on autism	[(Learning disability terms) AND (behaviour management terms) AND (systematic reviews/RCT/quasi-experimental studies/observational studies/case series study design filters)]	Systematic reviews, RCT, quasi-experimental studies, observational studies, case series	Databases searched: AMED, ASSIA, AEI, BEI, CDSR, CENTRAL, CINAHL, DARE, Embase, ERIC, HMIC, MEDLINE, PsycINFO, Sociological Abstracts, SSA Date range searched: RCT, quasi-experimental studies, observational studies, case series: inception of database up to 09.09.2011; Systematic reviews: 1995 up to 09.09.2011.

⁵ See Appendix 7 for full details of review questions.

⁶ Focused = specific search comprising terms for population, intervention and study design.

Population search terms

a) Autism - population search terms

MEDLINE - Ovid SP interface

1. asperger syndrome/ or autistic disorder/ or child development disorders, pervasive/ or rett syndrome/
2. (asperger\$ or autis\$ or cerebroatrophic hyperammonemia\$ or (kanner\$ adj (disorder\$ or syndrome\$)) or (pervasive\$ adj2 (development\$ or neurodevelopment\$)) or pddnos or pdd nos or (rett\$ adj (disorder\$ or syndrome\$))).ti,ab.
3. or/1-2

b) Learning disability - population search terms

MEDLINE - Ovid SP interface

1. developmental disabilities/ or disabled persons/ or "education of mentally retarded"/ or education, special/ or exp learning disorders/ or exp mental retardation/ or mentally disabled persons/ or phenylketonurias/
2. ((developmental\$ or intellect\$ or language or learning or neurodevelopmental or phonologic\$ or speech or vocabular\$) adj2 delay\$).ti,ab.
3. ((developmental\$ or intellect\$ or language or learning or neurodevelopmental\$ or neurodevelopment\$) adj2 (defect\$ or deficien\$ or deficit\$ or difficult\$ or disorder\$ or disturbanc\$ or dysfunction\$ or impair\$ or problem\$ or subnormal\$ or sub\$ normal\$)).ti,ab.
4. ((disabilit\$ or disabled) adj3 (adult\$ or aged or client\$ or consumer\$ or elderly or female\$ or geriatric\$ or individual\$ or latelife or late life or male\$1 or men or middle aged or midlife or mid life or old or older or patient\$ or people\$ or person\$ or population\$ or seniors or women)).ti,ab.
5. ((disabilit\$ or disabled) adj3 (communicat\$ or defect\$ or deficien\$ or deficit\$ or developmental\$ or dysfunction\$ or functional or impair\$ or multiple or intellect\$ or language or learning or neurodevelopmental\$ or phonologic\$ or receptive or speech or subnormal\$ or sub\$ normal\$ or vocabular\$)).ti,ab.
6. ((down\$ adj2 syndrom\$) or (fragile adj3 syndrome) or oligophren\$ or phenylketonuria).ti,ab.
7. ((handicap\$ or handi cap\$ or retard\$1 or retardates or retarded) adj3 (developmental\$ or functional or motor\$ or multiple or neurodevelopmental or psychomotor or severe)).ti,ab.
8. ((handicap\$ or handi cap\$ or retard\$1 or retardates or retarded) adj3 (adult\$ or aged or client\$ or consumer\$ or elderly or female\$ or

- geriatric\$ or individual\$ or latelife or late life or male\$1 or men or middle aged or midlife or mid life or old or older or patient\$ or people\$ or person\$ or population\$ or seniors or women)).ti,ab.
9. (mental\$ adj2 (defect\$ or deficien\$ or deficit\$ or disable\$ or disabilit\$ or impair\$ or incapacit\$ or subnormal\$ or sub\$1 normal\$)).ti,ab.
 10. (special adj (educat\$ or need\$)).ti,ab.
 11. (cognitiv\$ adj2 impair\$).ti.
 12. or/1-11

Question-specific search strategies

a) Interventions aimed at behavioural management (subsection of RQ – C1, C4)

RQ – C1: For adults with autism, what are the benefits and/or potential harms associated with different psychosocial interventions (for example, applied behavioural analysis, cognitive behavioural therapy, mentoring, social groups, and befriending schemes)?

RQ – C4: For adults with autism, what is the effectiveness of biomedical interventions (for example, dietary interventions, pharmacotherapy, and physical-environmental adaptations)?

Area searched: subsection of RQs – search limited to interventions aimed at behaviour management only

MEDLINE – Ovid SP interface

1. behaviour/ or behavior control/
2. learning disorders/rh or mental retardation/rh
3. (adaptive adj (behavio?r\$ or skill\$)).ti,ab.
4. (behav\$ adj3 (challenging or difficult\$ or destructiv\$ or disruptiv\$ or disturbance\$ or dysfunction\$ or problem\$)).ti,ab.
5. ((behav\$ or challenging or destructiv\$ or disruptiv\$ or disturbance\$ or dysfunction\$ or interfering) adj2 (disorder\$ or problem\$ or symptom\$ or syndrome\$)).ti,ab.
6. ((decreas\$ or improv\$ or lower\$ or reduc\$) adj2 (behav\$ or destructive\$ or disruptive\$ or interfering symptom\$)).ti,ab.
7. aggression/ or exp anger/ or *"attention deficit and disruptive behavior disorders"/ or hostility/ or restraint, physical/ or self-injurious behaviour/ or self mutilation/ or violence/
8. (agitat\$ or aggress\$ or anger\$ or hostil\$ or rebel\$ or retaliat\$).ti,ab.
9. (biting or headbut\$ or head but\$ or hitting or kick\$ or scream\$ or spit or spitting or tantrum\$ or troublesome).ti,ab.
10. (compulsive\$ or repetitive\$ or stereotypy).ti,ab.
11. (physical\$ adj2 restrain\$).ti,ab.

12. (selfharm\$ or self harm\$ or selfinjur\$ or self injur\$ or selfmutilat\$ or self mutilat\$ or selfdestruct\$ or self destruct\$ or (self adj2 cut\$) or cutt\$ or selfimmolat\$ or self immolat\$ or selfinflict\$ or self inflict\$ or automutilat\$ or auto mutilat\$).ti,ab.
13. or/1-12
14. exp behavior therapy/
15. "reinforcement (psychology)"/
16. (((behav\$ or cognitiv\$) adj3 (analy\$ or interven\$ or manag\$ or program\$ or therap\$ or treat\$ or workshop\$ or work shop\$)) or (behav\$ adj2 (modif\$ or control\$)) or cbt).ti,ab.
17. (model?ing or prompting or reinforcement or re inforcement or self evaluat\$).ti,ab.
18. (self care/ and (cognit\$ or behavio?r\$ or metacognit\$ or recover\$).tw,hw.) or (selfinstruct\$ or selfmanag\$ or selfattribut\$ or (self\$ adj (instruct\$ or manag\$ or attribution\$)) 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\$))).ti,ab.
19. (*activities of daily living/ and ((ed or rh or th).fs. or (educat\$ or program\$ or skill\$ or teach\$ or therap\$).hw.)) or toilet training/
20. "education of mentally retarded"/
21. (self care or ((bathing or dressing or eating or feeding or grooming or homemak\$ or hygien\$ or leisure or toilet\$ or undress\$) adj3 (educat\$ or instruct\$ or interven\$ or learn\$ or program\$ or promot\$ or skill\$ or taught\$ or teach\$ or train\$))).ti,ab.
22. ((independen\$ or life or living or (self adj (care or protect\$)) or social or survival) adj2 (educat\$ or instruct\$ or interven\$ or learn\$ or program\$ or skill\$ or taught or teach\$ or train\$)).ti,ab.
23. (((communicat\$ or interact\$ or interpersonal\$ or language\$) adj3 (educat\$ or instruct\$ or interven\$ or learn\$ or program\$ or skill\$ or taught\$ or teach\$ or train\$)) or social learn\$).ti,ab.
24. ((adrenocorticotrophic hormone/ or exp amantadine/ or exp anti-anxiety agents/ or exp anticonvulsants/ or exp antidepressive agents/ or exp antipsychotic agents/ or exp central nervous system stimulants/ or exp chelating agents/ or exp cholinesterase inhibitors/ or exp galantamine/ or melatonin/ or oxytocin/ or secretin/) or (diet/ or exp dietary supplements/ or exp minerals/ or exp vitamins/) or exp testosterone/) and behav\$.ti,ab,hw.
25. or/14-24
26. or/13,25

b) Support for families, partners and carers (RQ - D1)

RQ - D1: What information and day-to-day support do families, partners and carers need:

- *during the initial period of assessment and diagnosis*
- *when interventions and care are provided (for example, telephone helpline, information packs, advocates or respite care, interpreters and other language tools)?*
- *during periods of crisis?*

MEDLINE - Ovid SP interface

1. caregivers/ or family/ or family health/ or family relations/ or intergenerational relations/ or exp maternal behaviour/ or exp parent-child relations/ or parenting/ or exp parents/ or paternal behavior/ or professional-family relations/ or sibling relations/
2. (carer\$1 or caregiv\$ or care taker\$ or caretaker\$ or custodian\$ or family or families or father\$ or guardian\$ or mother\$ or parent\$ or spouse\$ or stepparent\$ or ((communicat\$ or conversation\$ or familiar or interact\$ or language or speech) adj2 partner\$)).ti,ab.
3. or/1-2
4. audiovisual aids/ or books, illustrated/ or books/ or books, illustrated/ or cellular phone/ or computer user training/ or computers/ or education, distance/ or educational technology/ or electronic mail/ or exp health education/ or health knowledge, attitudes, practice/ or exp health promotion/ or hotlines/ or information dissemination/ or information seeking behaviour/ or exp internet/ or multimedia/ or pamphlets/ or software/ or exp tape recording/ or teaching materials/ or telemedicine/ or telephone/ or therapy, computer assisted/ or exp videodisc recording/ or writing/
5. day care/
6. family health/
7. friends/ or self help groups/ or exp social environment/
8. home care services/ or home care services, hospital based/ or exp home nursing/ or home health aides/ or social support/
9. interpersonal relations/ or professional-family relations/ or social facilitation/
10. ed.fs. and 1
11. (advocate\$ or advocacy).ti,ab.
12. ((audio\$ 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 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 help\$ or interven\$ or learn\$ or module\$ or program\$ or psychotherap\$ or rehab\$ or

- strateg\$ or support\$ or therap\$ or treat\$ or workshop\$ or work shop\$).ti,ab.
13. (book\$1 or booklet\$ or brochure\$ or educat\$ or information\$ or instruct\$ or knowledge or leaflet\$ or manual\$1 or material\$ or multi media or multimedia or ((oral or printed or written) adj3 inform\$) or pamphlet\$ or poster\$ or psycho educat\$ or psychoeducat\$ or teach\$ or train\$ or video\$ or workbook\$ or work book\$).ti,ab.
 14. (call in or callline\$ or call line\$ or help line\$ or helpline\$ or hotline\$ or hot line\$ or phone in or phonein or (caller\$1 adj3 (interven\$ or program\$ or therap\$ or treat\$))).ti,ab.
 15. ((carer\$1 or caregiv\$ or care taker\$ or caretaker\$ or custodian\$ or family or families or father\$ or guardian\$ or mother\$ or parent\$ or spouse\$ or stepparent\$ or ((communicat\$ or conversation\$ or familiar or interact\$ or language or speech) adj2 partner\$)) adj3 (approach\$ or assist\$ or coach\$ or club\$ or class\$ or group\$ or help\$ or interven\$ or learn\$ or module\$ or program\$ or psychotherap\$ or rehab\$ or skill\$ or strateg\$ or support\$ or therap\$ or treat\$ or workshop\$ or work shop\$).ti,ab.
 16. ((carer\$1 or caregiv\$ or care taker\$ or caretaker\$ or custodian\$ or family or families or father\$ or guardian\$ or mother\$ or parent\$ or spouse\$ or stepparent\$ or ((communicat\$ or conversation\$ or familiar or interact\$ or language or speech) adj2 partner\$)) adj3 burden\$).ti,ab.
 17. ((carer\$1 or caregiv\$ or care taker\$ or caretaker\$ or custodian\$ or family or families or father\$ or guardian\$ or mother\$ or parent\$ or spouse\$ or stepparent\$ or ((communicat\$ or conversation\$ or familiar or interact\$ or language or speech) adj2 partner\$)) adj5 (protect\$ or relief or service\$).ti,ab.
 18. ((carer\$1 or caregiv\$ or care taker\$ or caretaker\$ or custodian\$ or family or families or father\$ or guardian\$ or mother\$ or parent\$ or spouse\$ or stepparent\$ or ((communicat\$ or conversation\$ or familiar or interact\$ or language or speech) adj2 partner\$)) adj8 (communicat\$ or conversation\$ or interact\$).ti,ab.
 19. ((carer\$1 or caregiv\$ or care taker\$ or caretaker\$ or custodian\$ or family or families or father\$ or guardian\$ or mother\$ or parent\$ or spouse\$ or stepparent\$ or ((communicat\$ or conversation\$ or familiar or interact\$ or language or speech) adj2 partner\$)) adj10 (communicat\$ or interact\$ or interpersonal or inter personal or talk\$) adj10 (approach\$ or assist\$ or coach\$ or club\$ or class\$ or group\$ or help\$ or interven\$ or learn\$ or module\$ or program\$ or psychotherap\$ or rehab\$ or strateg\$ or support\$ or therap\$ or treat\$).ti,ab.
 20. day care.ti,ab.
 21. (health adj2 promot\$).ti,ab.
 22. ((home adj2 (care\$ or nurs\$ or service\$)) or respite).ti,ab.
 23. (interpreter\$ or ((communicat\$ or language or learning\$ or speech) adj2 tool\$) or special educator\$).ti,ab.
 24. (mutual adj (help or aid or support\$)).ti,ab.

25. (selfhelp\$ or self help\$ or social support or (support\$ adj2 (group\$ or network\$ or professional\$)).ti,ab.

26. or/1-25

c) Residential care (subsection of RQ - E2)

RQ - E2: For adults with autism, what are the essential elements in the effective provision of:

- *support services for the individual (including accessing and using services)*
- *day care*
- *residential care?*

Area searched: subsection of RQ - search limited to residential care only

MEDLINE - Ovid SP interface

1. deinstitutionalization/ or home care services / or home care aides/ or home care services, hospital-based/ or exp home nursing/ or exp housing/ or independent living programs/ or institutionalization/ or long term care/ or exp residential facilities/ or residential treatment/
2. accommodation.ti,ab.
3. (aged care facilit\$ or ((care or group\$ or nursing or old age) adj2 home\$)).ti,ab.
4. apartment\$.ti,ab.
5. ((campus\$ or cluster\$ or dispersed) adj3 (accomodat\$ or centre\$ or center\$ or communit\$ or complex\$ or facilit\$ or home\$ or hous\$ or institution\$ or living or model\$ or neighbour\$ or place\$1 or placement\$ or resident\$ or setting\$ or unit\$)).ti,ab.
6. (communit\$ adj3 (accomodat\$ or campus\$ or complex\$ or facilit\$ or home\$ or hous\$ or institution\$ or living or place\$1 or placement\$ or resident\$ or unit\$)) .ti,ab.
7. (communit\$ adj2 (discharg\$ or move\$ or moving or relocat\$)).ti,ab.
8. concept hous\$.ti,ab.
9. (deinstitutionali\$ or institutional\$).ti,ab.
10. developmental cent\$.ti,ab.
11. (disabled adj2 communit\$).ti,ab.
12. dwelling\$.ti,ab.
13. (flatmate or housemate\$ or ((flat or house) adj mate\$)).ti,ab.
14. ((home\$1 or hous\$ or living or resident\$) adj4 (assist\$ or support\$)).ti,ab.
15. (home adj2 (care\$ or nurs\$ or service\$)).ti,ab.
16. (hostel\$ or shelter\$).ti,ab.
17. housing.ti,ab.

18. (independ?n\$ adj3 (accomodat\$ or care or centre\$ or center\$ or communit\$ or complex\$ or facilit\$ or home\$ or hous\$ or institution\$ or living or placement\$ or resident\$ or setting\$ or unit\$)).ti,ab.
19. ((intentional or congregat\$ or village\$) adj2 (communit\$ or setting\$)).ti,ab.
20. ((institution\$ or intensive or out of\$1) adj3 (care\$ or living or placement\$ or place\$1 or resident\$ or setting\$)).ti,ab.
21. (live in\$1 or (out adj2 home\$)).ti,ab.
22. (((long term or extended) adj care) or long stay).ti,ab.
23. ((rent\$ or own\$) adj2 (accomodat\$ or home\$1 or hous\$ or resident\$)).ti,ab.
24. (residence\$ or residential).ti,ab.
25. (resident\$ adj3 (accomodat\$ or care or centre\$ or center\$ or communit\$ or complex\$ or facilit\$ or home\$ or hous\$ or institution\$ or living or model\$ or neighbour\$ or place\$1 or placement\$ or program\$ or provision\$ or service\$ or setting\$ or unit\$)).ti,ab.
26. ((special or support\$) adj2 living).ti,ab.
27. (staffed adj3 (accomodat\$ or centre\$ or center\$ or complex\$ or facilit\$ or home\$ or hous\$ or institution\$ or living\$ or model\$ or neighbourhood\$ or placement\$ or resident\$ or setting\$ or unit\$)).ti,ab.
28. [TEXTWORD SEARCHES FOR LEARNING DISABILITY POPULATION SEARCH TERMS] adj5 (accomodat\$ or home\$1 or hous\$ or living or resident\$).ti,ab.
29. or/1-28

Study design search filters

- a) *Systematic review search filter – adapted from a filter designed by the Health Information Research Unit of the McMaster University, Ontario*

MEDLINE – Ovid SP interface

1. meta analysis/ or "review literature as topic"/
2. (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. or systematic\$.ti,ab.)
3. ((analy\$ or assessment\$ or evidence\$ or methodol\$ or qualitativ\$ or quantativ\$ or systematic\$) adj2 (overview\$ or review\$)).ti,ab.
4. ((analy\$ or assessment\$ or evidence\$ or methodol\$ or quantativ\$ or qualitativ\$ or systematic\$).ti. and review\$.ti,sh,pt.)
5. (systematic\$ adj2 search\$).ti,ab.
6. (metaanal\$ or meta anal\$ or metareview\$ or meta review\$ or metasynthes\$ or meta synthes\$).ti,ab.
7. (research adj (review\$ or integration)).ti,ab.
8. reference list\$.ab.

9. bibliograph\$.ab.
10. published studies.ab.
11. relevant journals.ab.
12. selection criteria.ab.
13. (data adj (extraction or synthesis)).ab.
14. (handsearch\$ or ((hand or manual) adj search\$)).ti,ab.
15. (mantel haenszel or peto or dersimonian or der simonian).ti,ab.
16. (fixed effect\$ or random effect\$).ti,ab.
17. ((pool\$ or combined or combining) adj2 (data or trials or studies or results)).ti,ab.
18. or/1-17

b) RCT search filter - adapted from a filter designed by the Health Information Research Unit of the McMaster University, Ontario

MEDLINE - Ovid SP interface

1. exp clinical trial/ or cross-over studies/ or double-blind method/ or placebos/ or random allocation/ or randomization/ or randomized controlled trials as topic/ or single-blind method/
2. (clinical adj2 trial\$).ti,ab.
3. (crossover or cross over).ti,ab.
4. (((single\$ or doubl\$ or trebl\$ or tripl\$) adj2 blind\$) or mask\$ or dummy or singleblind\$ or doubleblind\$ or trebleblind\$ or tripleblind\$).ti,ab.
5. (placebo\$ or random\$).ti,ab.
6. animals/ not humans/
7. or/1-5 not 6

c) Quasi-experimental study filter - developed in house

MEDLINE - Ovid SP interface

1. (((nonequivalent or non equivalent) adj3 control\$) or posttest\$ or post test\$ or pre test\$ or pretest\$ or quasi\$ or timeseries or time series).tw.

d) Observational and case series study filter - developed in house

MEDLINE- Ovid SP interface

1. case-control studies/ or cohort studies/ or cross-sectional studies/ or epidemiologic studies/ or follow-up studies/ or longitudinal studies/ or prospective studies/ or retrospective studies/
2. cohort\$.ti,ab.
3. (case\$ adj2 (control\$ or series)).ti,ab.

4. or/1-3

e) Qualitative/survey literature study filter – developed in house

MEDLINE – Ovid SP interface

1. anthropology, cultural/ or cluster analysis/ or ethnology/ or focus groups/ or interview/ or exp interviews as topic/ or narration/ or nursing methodology research/ or observation/ or personal narratives/ or qualitative research/ or sampling studies/ or exp tape recording/ or videodisc recording/
2. action research.ti,ab.
3. (((audio or tape or video\$) adj2 record\$) or audiorecord\$ or taperecord\$ or videorecord\$ or videotap\$).ti,ab.
4. (colaizzi\$ or giorgi\$ or glaser or heidegger\$ or hermeneutic\$ or husserl\$ or spiegelberg\$ or strauss).ti,ab.
5. (constant adj (comparative or comparison)).ti,ab.
6. (content analy\$ or (field adj (note\$ or record\$ or research\$ or stud\$)) or fieldnote\$).ti,ab.
7. (critical social\$ or ethical enquiry or (pilot testing and survey) or shadowing or ((philosophical or social) adj research\$)).ti,ab.
8. (cross case analys\$ or (meta adj (ethno\$ or narrative\$ or overview or synthes\$ or summar\$ or stud\$)) or metaethno\$ or metanarrative\$ or metaoverview\$ or metasynthes\$ or metasummar\$ or metastud\$).ti,ab.
9. (data adj1 saturat\$).ti,ab.
10. discourse analys?s.ti,ab.
11. (ethno\$ or emic or etic or heuristic or phenomenolog\$ or qualitative or semiotics).ti,ab.
12. ((focus adj2 (group\$ or sampl\$)) or ((life or lived) adj experience\$) or narrat\$).ti,ab.
13. ((focus\$ or structured) adj2 interview\$).ti,ab.
14. (grounded adj (theor\$ or study or research or studies)).ti,ab.
15. human science.ti,ab.
16. (maximum variation or snowball).ti,ab.
17. (merleau or theoretical sampl\$ or ricoeur or spiegelberg\$).ti,ab.
18. ((participant\$ or nonparticipant\$) adj3 observ\$).ti,ab.
19. purpos\$ sampl\$.ti,ab.
20. (story or stories or storytell\$ or story tell\$).ti,ab.
21. testimon\$.ti,ab.
22. (structured categor\$ or unstructured categor\$).ti,ab.
23. ((thematic\$ adj3 analys\$) or themes).ti,ab.
24. (van kaam\$ or van manen).ti,ab.
25. or/1-24
26. health care surveys/ or exp health surveys/
27. (question\$ or survey\$).ti,ab.
28. attitude/ or exp attitude to health/

29. (attitude\$ or experien\$).ti,ab.
30. or/26-27 and or/28-29
31. [TEXTWORD SEARCHES FOR AUTISM POPULATION SEARCH TERMS] and (attitude\$ or experienc\$ or needs or opinion\$ or perception\$ or perspective\$ or preference\$ or satisf\$ or view\$) and (adult\$1 or attendee\$ or attender\$ or client\$ or consumer\$ or individuals or inpatient\$ or men or minorities or outpatient\$ or participant\$ or patient\$ or people or population or public or respondent\$ or subjects or survivor\$ or women or user\$ or care giver\$ or caregiver\$ or carer\$ or (care adj (giver\$ or manager\$ or worker\$)) or family or families or father\$ or guardian\$ or mother\$ or parent\$)).ti.
32. ((adult\$1 or attendee\$ or attender\$ or client\$ or consumer\$ or individuals or inpatient\$ or men or minorities or outpatient\$ or participant\$ or patient\$ or people or population or public or respondent\$ or subjects or survivor\$ or women or user\$ or (care giver\$ or caregiver\$ or carer\$ or (care adj (giver\$ or manager\$ or worker\$)) or family or families or father\$ or guardian\$ or mother\$ or parent\$) adj2 (attitude\$ or experience\$ or needs or opinion\$ or perception\$ or perspective\$ or preference\$ or satisf\$ or view\$)).ti,ab.
33. or/31-32
34. or/25,30,33