

**Search strategies for
'Parent-mediated interventions versus usual care in children with autism spectrum disorders'
(C Conrad)**

Preliminary search strategies prepared 14 November 2022

Cochrane Central Register of Controlled Trials (latest issue) in the Cochrane Library

- #1 MeSH descriptor: [Child Development Disorders, Pervasive] explode all trees
- #2 MeSH descriptor: [Child Behavior] explode all trees
- #3 MeSH descriptor: [Language Development Disorders] explode all trees
- #4 (((autism or autistic or development* or neurodevelopment*) and disorder*) or ASD)
- #5 #1 or #2 or #3 or #4
- #6 MeSH descriptor: [Parent-Child Relations] explode all trees
- #7 MeSH descriptor: [Family Therapy] explode all trees
- #8 MeSH descriptor: [Behavior Therapy] explode all trees
- #9 MeSH descriptor: [Early Intervention, Educational] explode all trees
- #10 MeSH descriptor: [Adaptation, Psychological] explode all trees
- #11 MeSH descriptor: [Parents] explode all trees
- #12 MeSH descriptor: [Interpersonal Relations] explode all trees
- #13 MeSH descriptor: [Communication] explode all trees
- #14 (((parent* or caregiver*) near/3 (intervention* or interaction* or relation* or therap* or educat* or train* or mediated)) or PMI)
- #15 #6 or #7 or #8 or #9 or #10 or #11 or #12 or #13 or #14
- #16 #5 and #15
- #17 (baby or babies or infan* or child* or toddler* or pre-school* or preschool* or adolescen* or teen* or schoolchild* or school-child* or schoolage or school-age or paediatric* or pediatric*)
- #18 #16 and #17

MEDLINE Ovid (1946 to date of search)

- 1. exp Child Development Disorders, Pervasive/
- 2. exp Child Behavior/
- 3. exp Language Development Disorders/
- 4. (((autism or autistic or development* or neurodevelopment*) and disorder*) or ASD).mp. [mp=title, book title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]
- 5. 1 or 2 or 3 or 4
- 6. exp Parent-Child Relations/
- 7. exp Family Therapy/
- 8. exp Behavior Therapy/
- 9. exp Early Intervention, Educational/
- 10. exp Adaptation, Psychological/
- 11. exp Parents/
- 12. exp Interpersonal Relations/
- 13. exp Communication/px, th [Psychology, Therapy]
- 14. (((parent* or caregiver*) adj3 (intervention* or interaction* or relation* or therap* or educat* or train* or mediated)) or PMI).mp. [mp=title, book title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]
- 15. 6 or 7 or 8 or 9 or 10 or 11 or 12 or 13 or 14
- 16. 5 and 15
- 17. (baby or babies or infan* or child* or toddler* or pre-school* or preschool* or adolescen* or teen* or schoolchild* or school-child* or schoolage or school-age or paediatric* or pediatric*).mp. [mp=title, book title, abstract, original title, name of substance word, subject heading word, floating sub-heading word, keyword heading word, organism supplementary concept word, protocol supplementary concept word, rare disease supplementary concept word, unique identifier, synonyms]
- 18. 16 and 17
- 19. (randomized controlled trial or controlled clinical trial or retracted publication or retraction of publication).pt.

20. clinical trials as topic.sh.
21. (random* or placebo*).ab. or trial.ti.
22. 19 or 20 or 21
23. exp animals/ not humans.sh.
24. 22 not 23
25. 18 and 24

Embase Ovid (1974 to date of search)

1. exp autism/
2. exp child behavior/
3. exp developmental language disorder/
4. (((autism or autistic or development* or neurodevelopment*) and disorder*) or ASD).mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword heading word, floating subheading word, candidate term word]
5. 1 or 2 or 3 or 4
6. exp child parent relation/
7. exp family therapy/
8. exp behavior therapy/
9. exp early childhood intervention/
10. exp psychological adjustment/
11. exp parent/
12. exp human relation/
13. exp interpersonal communication/
14. (((parent* or caregiver*) adj3 (intervention* or interaction* or relation* or therap* or educat* or train* or mediated)) or PMI).mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword heading word, floating subheading word, candidate term word]
15. 6 or 7 or 8 or 9 or 10 or 11 or 12 or 13 or 14
16. 5 and 15
17. (baby or babies or infan* or child* or toddler* or pre-school* or preschool* or adolescen* or teen* or schoolchild* or school-child* or schoolage or school-age or paediatric* or pediatric*).mp. [mp=title, abstract, heading word, drug trade name, original title, device manufacturer, drug manufacturer, device trade name, keyword heading word, floating subheading word, candidate term word]
18. 16 and 17
19. Randomized controlled trial/ or Controlled clinical study/ or randomization/ or intermethod comparison/ or double blind procedure/ or human experiment/ or retracted article/
20. (random\$ or placebo or parallel group\$1 or crossover or cross over or assigned or allocated or volunteer or volunteers).ti,ab.
21. (compare or compared or comparison or trial).ti.
22. ((evaluated or evaluate or evaluating or assessed or assess) and (compare or compared or comparing or comparison)).ab.
23. (open adj label).ti,ab.
24. ((double or single or doubly or singly) adj (blind or blinded or blindly)).ti,ab.
25. ((assign\$ or match or matched or allocation) adj5 (alternate or group\$1 or intervention\$1 or patient\$1 or subject\$1 or participant\$1)).ti,ab.
26. (controlled adj7 (study or design or trial)).ti,ab.
27. (erratum or tombstone).pt. or yes.ne.
28. or/19-27
29. (random\$ adj sampl\$ adj7 ('cross section\$' or questionnaire\$ or survey\$ or database\$1)).ti,ab. not (comparative study/ or controlled study/ or randomi?ed controlled.ti,ab. or randomly assigned.ti,ab.)
30. Cross-sectional study/ not (randomized controlled trial/ or controlled clinical study/ or controlled study/ or randomi?ed controlled.ti,ab. or control group\$1.ti,ab.)
31. (((case adj control\$) and random\$) not randomi?ed controlled).ti,ab.
32. (Systematic review not (trial or study)).ti.
33. (nonrandom\$ not random\$).ti,ab.
34. 'Random field\$'.ti,ab.
35. (random cluster adj3 sampl\$).ti,ab.
36. (review.ab. and review.pt.) not trial.ti.
37. 'we searched'.ab. and (review.ti. or review.pt.)

38. 'update review'.ab.
39. (databases adj4 searched).ab.
40. (rat or rats or mouse or mice or swine or porcine or murine or sheep or lambs or pigs or piglets or rabbit or rabbits or cat or cats or dog or dogs or cattle or bovine or monkey or monkeys or trout or marmoset\$1).ti. and animal experiment/
41. Animal experiment/ not (human experiment/ or human/)
42. or/29-41
43. 28 not 42
44. 18 and 43

LILACS (Bireme; 1982 to date of search)

((autism or autistic or development\$ or neurodevelopment\$) and disorder\$) or ASD) [Words] and (((parent\$ or caregiver\$) and (intervention\$ or interaction\$ or relation\$ or therap\$ or educat\$ or train\$ or mediated)) or PMI) [Words] and (baby or babies or infan\$ or child\$ or toddler\$ or pre-school\$ or preschool\$ or adolescen\$ or teen\$ or schoolchild\$ or school-child\$ or schoolage or school-age or paediatric\$ or pediatric\$) [Words]

Science Citation Index Expanded (1900 to date of search) and Conference Proceedings Citation Index – Science (1990 to date of search) (Web of Science)

#6 #4 AND #5

#5 TI=(random* or blind* or placebo* or meta-analys* or trial*) OR TS=(random* or blind* or placebo* or meta-analys*)

#4 #3 AND #2 AND #1

#3 TS=(baby or babies or infan* or child* or toddler* or pre-school* or preschool* or adolescen* or teen* or schoolchild* or school-child* or schoolage or school-age or paediatric* or pediatric*)

#2 TS=(((parent* or caregiver*) near/3 (intervention* or interaction* or relation* or therap* or educat* or train* or mediated)) or PMI)

#1 TS=(((autism or autistic or development* or neurodevelopment*) and disorder*) or ASD)

PsycINFO, APA PsycNet

22 17 AND 20 AND Publication Type: Peer Reviewed Journal

21 17 AND 20

20 (IndexTermsFilt: ("Randomized Controlled Trials") OR IndexTermsFilt: ("Clinical Trials")) OR (Title: trial OR Abstract: (random* OR placebo*))

19 Title: trial OR Abstract: (random* OR placebo*)

18 Index Terms: {Randomized Controlled Trials} OR {Clinical Trials}

17 15 AND 16

16 Title, Abstract, Keywords: baby OR babies OR infan* OR child* OR toddler* OR pre-school* OR preschool* OR adolescen* OR teen* OR schoolchild* OR school-child* OR schoolage OR school-age OR paediatric* OR pediatric*

15 5 AND 14

14 6 OR 7 OR 8 OR 9 OR 10 OR 11 OR 12 OR 13

13 Title, Abstract, Keywords: ((parent* OR caregiver*) NEAR/3 (intervention* OR interaction* OR relation* OR therap* OR educat* OR train* OR mediated)) OR PMI

12 Index Terms: {Interpersonal Communication} OR {Active Listening} OR {Apology} OR {Arguments} OR {Body Language} OR {Conversation} OR {Cross Cultural Communication} OR {Double Bind Interaction} OR {Eye Contact} OR {Gossip} OR {Group Discussion} OR {Intersubjectivity} OR {Interviewing} OR {Interviews} OR {Job Applicant Interviews} OR {Listening (Interpersonal)} OR {Negotiation} OR {Parent Child Communication} OR {Psychological Contracts} OR {Secrecy} OR {Self-Disclosure}

11 Index Terms: {Interpersonal Relationships} OR {Caregivers} OR {Close Relationships} OR {Couples} OR {Family Relations} OR {Friendship} OR {Kinship} OR {Marital Relations} OR {Mentor} OR {Partners} OR {Peers} OR {Relationship Quality} OR {Relationship Termination} OR {Role Models} OR {Significant Others}

10 Index Terms: {Parents} OR {Adoptive Parents} OR {Expectant Parents} OR {Fathers} OR {Foster Parents} OR {Homosexual Parents} OR {Mothers} OR {Parental Characteristics} OR {Single Parents} OR {Stepparents} OR {Surrogate Parents (Humans)}

9 Index Terms: {Coping Behavior}

8 Index Terms: {Early Intervention}

7 Index Terms: {Family Therapy} OR {Conjoint Therapy} OR {Strategic Family Therapy} OR {Structural Family Therapy}

6 Index Terms: {Parent Child Relations} OR {Father Child Relations} OR {Mother Child Relations} OR
{Parental Attitudes}
5 1 OR 2 OR 3 OR 4
4 Title, Abstract, Keywords: ((autism OR autistic OR development* OR neurodevelopment*)
AND disorder*) OR ASD
3 Index Terms: {Language Development} OR {Language Delay} OR {Reading Development} OR
{Speech Development} OR {Delayed Speech}
2 Index Terms: {Child Behavior}
1 Index Terms: {Neurodevelopmental Disorders} OR {Attention Deficit Disorder} OR {Autism
Spectrum Disorders} OR {Developmental Disabilities} OR {Disruptive Behavior Disorders} OR {Emotional and
Behavioral Disorders} OR {Intellectual Development Disorder} OR {Learning Disorders}