

Documentation of search strategies

Date: April 2020, update searches April 2021

Topic/research question:

Name of researcher: Pia Johansson

Name of librarians: Anna Nistor and Elisabet Frigell, University Library

Databases

1. [PubMed](#)
2. [CINAHL](#)
3. [PsycINFO](#)
4. [Cochrane](#)
5. [NHS EED](#)

Total number of hits

Number of new records from rerun searches in parentheses.

- Before deduplication:
 - children-sleep: 7108 (+602)
 - children-sleep-costs: 2013 (+203)
- After deduplication:
 - children-sleep: 5346 - children-sleep.enlx || (+488) – children-sleep-update-488.enlx
 - children-sleep-costs: 1565 (children-sleep-costs.enlx) – (+117) – children-sleep-costs-update-117.enlx

Comments

The searches have been divided into two blocks whose search results are reported separately:

1. children and adolescents with diagnosed sleep problems
2. cost effectiveness

Cochrane

The records from Cochrane come from the *Cochrane Database of Systematic Reviews (CDSR)* – (protocols have been excluded) and from *Cochrane Central Register of Controlled Trials (CENTRAL)*¹.

¹ The content in CENTRAL are taken mainly from PubMed and Embase (<https://www.cochranelibrary.com/central/about-central>).

Postadress

Högskolebiblioteket
Box 823
301 18 Halmstad

Org. nummer 202100-3203

Besöksadress

Kristian IV:s väg 3

Telefon

035-16 71 04

biblioteket@hh.se

NHS EED

The NHS Economic Evaluation Database (NHS EED) could previously be searched in Cochrane (until August 7, 2018). The searches were made in the archive version, available at <https://www.crd.york.ac.uk/CRDWeb/>. ("Bibliographic records were published on DARE and NHS EED until 31st March 2015.")

Update search 2021

The update search has been done by rerunning the searches, after which the result has been deduplicated and compared with the result from 2020. The method is described by Bramer and Bain (1). New items are delivered as new compressed Endnote libraries.

New items also include articles that were published earlier than May 2020 but were not included in the previous search results. It can be articles that are now in a database where they were not included at the time of the previous search, or articles where the records have been changed (e.g. given keywords) so that they now match the search terms.

¹ Bramer W, Bain P. Updating search strategies for systematic reviews using EndNote. J Med Libr Assoc JMLA. 2017 Jul;105(3):285–9.

1. PubMed

Date of search: 2020-04-29 Number of hits: children-sleep: 1219 children-sleep-costs: 582 Comments:	Field tags: Mesh = Medical subject headings exploded Mesh:noExp = narrower terms not included
Population: Children and adolescents #1 (134170) Adolescent[Mesh] OR "Child"[Mesh:NoExp] OR adolescence[Title/Abstract] OR adolescent[Title/Abstract] OR adolescents[Title/Abstract] OR child[Title/Abstract] OR children[Title/Abstract] AND "controlled clinical trial"[Publication Type] Population: Persons with diagnosed sleep problems #2 (6030) Sleep Wake Disorders[Mesh] OR "sleep disorder*[Title/Abstract] OR "sleep wake disorder*[Title/Abstract] OR "sleeping disorder*[Title/Abstract] AND "controlled clinical trial"[Publication Type] #3 (1219) #1 AND #2 Outcome: Cost effectiveness #4 (1333007) Economics[Mesh] OR "economics" [Subheading] OR cost*[Title/Abstract] OR econom*[Title/Abstract] #5 (19095) ("Adolescent"[Mesh] OR "Child"[Mesh:NoExp] OR adolescence[Title/Abstract] OR adolescent[Title/Abstract] OR adolescents[Title/Abstract] OR child[Title/Abstract] OR children[Title/Abstract]) AND ("Sleep Wake Disorders"[Mesh] OR "sleep disorder*[Title/Abstract] OR "sleep wake disorder*[Title/Abstract] OR "sleeping disorder*[Title/Abstract]) #6 (582) #4 AND #5	
Date of search: 2021-04-29 Number of additional records: children-sleep: 61 children-sleep-costs: 65	

2. CINAHL

Date of search: 2020-04-29 Number of hits: children-sleep: 345 children-sleep-costs: 1181 Comments: termer i plural inkluderar även singular	Field tags: MH: CINAHL Heading MH+: CINAHL Heading exploded Limiters: Peer Reviewed Search modes: Boolean/Phrase
Population: Children and adolescents #1 (31534) (MH "Adolescence+" OR MH "Child" OR MH "Child, Abandoned" OR MH "Child, Adopted" OR MH "Child, Gifted" OR MH "Child, Institutionalized" OR MH "Child, Medically Fragile" OR TI (adolescence OR adolescents OR children) OR AB (adolescence OR adolescents OR children) OR MW (adolescence OR adolescents OR children)) AND (MH "Controlled Before-After Studies" OR MH "Triple-Blind Studies" OR MH "Single-Blind Studies" OR MH "Double-Blind Studies" OR MH "Randomized Controlled Trials+") Population: Persons with diagnosed sleep problems #2 (1807) (MH "Sleep Disorders+" OR "sleep* disorder*" OR TI "sleep* disorder*" OR AB "sleep* disorder*" OR MW "sleep* disorder*") AND (MH "Controlled Before-After Studies" OR MH "Triple-Blind Studies" OR MH "Single-Blind Studies" OR MH "Double-Blind Studies" OR MH "Randomized Controlled Trials+") #3 (345) #1 AND #2 Outcome: Cost effectiveness #4 (946353) MH "Economics+" OR TI econom* OR AB econom* OR MW econom* OR TI cost* OR AB cost* OR MW cost* #5 (7396) (MH "Adolescence+" OR MH "Child" OR MH "Child, Abandoned" OR MH "Child, Adopted" OR MH "Child, Gifted" OR MH "Child, Institutionalized" OR MH "Child, Medically Fragile" OR TI (adolescence OR adolescents OR children) OR AB (adolescence OR adolescents OR children) OR MW (adolescence OR adolescents OR children)) AND (MH "Sleep Disorders+" OR "sleep* disorder*" OR TI "sleep* disorder*" OR AB "sleep* disorder*" OR MW "sleep* disorder*") #6 (1181) #4 AND #5	
Date of search: 2021-04-29 Number of additional records: children-sleep: 26 children-sleep-costs: 64	

3. PsycINFO

Date of search: 2020-04-29 Number of hits: children-sleep: 3486 children-sleep-costs: 132 Comments:	Field tags: MAINSUBJECT.EXACT.EXPLODE = kontrollerad vokabulär med underordnade ämnen Noft=Anywhere except full text Limits applied on all results: • peer-review • journal article Limits applied on #3 methodology: Clinical Trial, Empirical Study, Experimental Replication, Field Study, Followup Study, Literature Review, Longitudinal Study, Mathematical Model, Meta Analysis, Prospective Study, Quantitative Study, Retrospective Study, Scientific Simulation, Systematic Review, Treatment Outcome, Twin Study
Population: Children and adolescents #1 noft(child OR children OR adolescent OR adolescents OR adolescence) (667,221) Population: Persons with diagnosed sleep problems #2 MAINSUBJECT.EXACT.EXPLODE("Sleep Wake Disorders") OR noft("sleep disorder" OR "sleep wake disorder") (12,501) #3 #1 AND #2 (3,486) Outcome: Cost effectiveness #4 noft(econom* OR cost*) (150,277) #5 #3 AND #4 (132)	
Date of search: 2021-04-29 Number of additional records: children-sleep: 313 children-sleep-costs: 10	

4. Cochrane

Date of search: 2020-04-28 Number of hits: children-sleep: 2058 children-sleep-costs: 88 Comments:	Field tags: MeSH = Medical subject headings ti,ab,kw = title, abstract or keyword
Population: Children and adolescents #1 MeSH descriptor: [Adolescent] explode all trees OR (222707) MeSH descriptor: [Child] this term only OR (child OR children OR adolescent OR adolescents OR adolescence):ti,ab,kw Population: Persons with diagnosed sleep problems #2 MeSH descriptor: [Sleep Wake Disorders] explode all trees OR (13464) sleep* NEXT disorder* OR sleep* NEXT wake NEXT disorder* #3 #1 AND #2 (2058) Outcome: Cost effectiveness #4 MeSH descriptor: [Economics] explode all trees OR (78412) (cost* OR econom*):ti,ab,kw #5 #3 AND #4 (88)	
Date of search: 2021-04-28 Number of additional records: children-sleep: 202 children-sleep-costs: 64	

5. NHS EED

Date of search: 2020-04-29 Number of hits: children-sleep-costs: 30 Timespan: All years	Field tags: MeSH = Medical subject headings
Population: Children and adolescents	
#1 (1421)	MeSH DESCRIPTOR child IN NHSEED
#2 (2214)	MeSH DESCRIPTOR adolescent EXPLODE ALL TREES IN NHSEED
#3 (3502)	(child OR children OR adolescent OR adolescents OR adolescence) IN NHSEED
#4 (3502)	#1 OR #2 OR #3
Population: Persons with diagnosed sleep problems	
#5 (138)	(sleep*) IN NHSEED
#6 (70)	MeSH DESCRIPTOR sleep wake disorders EXPLODE ALL TREES IN NHSEED
#7 (139)	#5 OR #6
#8 (30)	#4 AND #7