



## Bilaga 1. Sökdokumentation/Appendix 1 Search strategy

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## Primärstudier och systematiska översikter/Primary studies and systematic reviews

### CINAHL via EBSCO 29 March 2021

Title: *Mobility aids for people with physical disabilities*

Search terms	Items found
<b>Intervention: Wheelchairs</b>	
1. (MH "Wheelchairs+")	5,864
2. TI "electric* trike*"	0
3. TI (freewheel or "free wheel")	2
4. TI (handbike* or "hand bike*")	18
5. TI (handcycle* or "hand cycle*")	12
6. TI iBOT	14
7. TI "leveraged freedom chair*"	0
8. TI "mobil* chair*"	3
9. TI "mobility assistive technolog*"	7
10. TI "mobility device*"	122
11. TI "mobility technolog*"	20
12. TI moped*	22
13. TI ("motorised mobility" or "motorized mobility")	7
14. TI powerchair*	2
15. TI (power* N3 chair#)	27
16. TI "power* mobil*"	155
17. TI scooter*	201
18. TI wheelchair*	3,106
19. TI "wheel chair*"	16
20. TI "wheeled mobil*"	93
21. 1 OR 2 OR 3 OR 4 OR 5 OR 6 OR 7 OR 8 OR 9 OR 10 OR 11 OR 12 OR 13 OR 14 OR 15 OR 16 OR 17 OR 18 OR 19 OR 20 OR 21 OR 22	6,670
<b>Study types: Randomized and other controlled trials<sup>1</sup></b>	
22. MH "Randomized Controlled Trials+" OR MH "Double-Blind Studies" OR MH "Single-Blind Studies" OR MH "Random Assignment" OR MH "Pretest-Posttest Design" OR MH "Cluster Sample" OR MH "Sample Size" OR MH "Crossover Design" OR MH "Comparative Studies" OR MH "Placebos" OR PT (Randomized Controlled Trial) OR MH "Therapeutic Trials" OR MH "Triple-Blind Studies" OR MH "Clinical Trials" OR MH "Intervention Trials" OR MH "Preventive Trials" OR PT (Randomized Controlled Trial) OR TI (randomised OR randomized OR phase 3 OR phase3 OR phase III ) OR AB (random* OR phase 3 OR phase3 OR phase III) OR TI (trial) OR AB (assigned OR allocated OR control) OR AB (control W5 group) OR AB (cluster W3 rct)	1,169,068

<sup>1</sup> Row 22 comes from: Glanville J, Dooley G, Wisniewski S, Foxlee R, Noel-Storr A. Development of a search filter to identify reports of controlled clinical trials within CINAHL Plus. Health Info Libr J. 2019;36(1):73-90. Available from: <https://doi.org/10.1111/hir.12251>.

23.	(MH "Control Group") OR (MH "Controlled Before-After Studies") OR (MH "Nonrandomized Trials") OR (MH "Multicenter Studies") OR (MH "Random Sample+") OR TI (((singl* OR doubl* OR treb* OR tripl*) W1 (blind* OR mask*)) OR (control* W3 (group* OR study)) OR cross-over OR crossover OR "multicenter stud*" OR "comparative stud*" OR non-randomized OR nonrandomized OR non-randomised OR nonrandomized OR quasi-experiment*) OR AB (((singl* OR doubl* OR treb* OR tripl*) W1 (blind* OR mask*)) OR (control* W3 (group* OR study)) OR cross-over OR crossover OR "multicenter stud*" OR "comparative stud*" OR non-randomized OR nonrandomized OR non-randomised OR nonrandomized OR quasi-experiment*)	585,170
24.	22 OR 23	1,238,264
25.	21 AND 24 Limiters - Published Date: 20000101-20211231; Language: Danish, English, Norwegian, Swedish	887
<b>Study types: Qualitative studies</b>		
26.	MH "Qualitative Studies" OR MH "Ethnographic Research" OR MH "Ethnological Research" OR MH "Ethnonursing Research" OR MH "Grounded Theory" OR MH "Phenomenological Research" OR MH "Field Studies" OR MH "Focus Groups" OR MH "Interviews" OR MH "Semi-Structured Interview" OR MH "Structured Interview" OR MH "Unstructured Interview" OR MH "Narratives" OR MH "Discourse Analysis" OR MH "Thematic Analysis" OR MH "Content Analysis" OR MH "Multimethod Studies" OR MH "Purposive Sample" OR MH "Quota Sample" OR MH "Snowball Sample" OR MH "Theoretical Sample" OR MH "Convenience Sample" OR MH "Phenomenology" OR TI "constant comparison" OR TI "constant comparative" OR TI ethnon* OR TI "human science" OR TI "discourse analy*" OR TI "focus group*" OR TI "grounded research" OR TI "grounded studies" OR TI "grounded study" OR TI "grounded theor*" OR TI hermeneutic* OR TI interview* OR TI "life experiences" OR TI "lived experience*" OR TI "meta-ethno*" OR TI "mixed method*" OR TI "narrative analy*" OR TI "purposive sampl*" OR TI phenomenol* OR TI qualitative OR TI questionnaire* OR AB "constant comparison" OR AB "constant comparative" OR AB ethnon* OR AB "human science" OR AB "discourse analy*" OR AB "focus group*" OR AB "grounded research" OR AB "grounded studies" OR AB "grounded study" OR AB "grounded theor*" OR AB hermeneutic* OR AB interview* OR AB "life experiences" OR AB "lived experience*" OR AB "meta-ethno*" OR AB "mixed method*" OR AB "narrative analy*" OR AB "purposive sampl*" OR AB phenomenol* OR AB qualitative	533,328
27.	21 AND 26 Limiters - Published Date: 20100101-20211231; Language: Danish, English, Norwegian, Swedish	502
<b>Study types: Systematic reviews and meta-syntheses</b>		
28.	MH "Systematic Review" OR ZT "systematic review" OR MH "Meta Analysis" OR ZT "meta analysis"	135,043
29.	(TI (systematic* n3 review*)) or (AB (systematic* n3 review*)) or (TI (systematic* n3 bibliographic*)) or (AB (systematic* n3 bibliographic*)) or (TI (systematic* n3 literature)) or (AB (systematic* n3 literature)) or (TI (comprehensive* n3 literature)) or (AB (comprehensive* n3 literature)) or (TI (comprehensive* n3 bibliographic*)) or (AB (comprehensive* n3 bibliographic*)) or (TI (integrative n3 review)) or (AB (integrative n3 review)) or (JN "Cochrane Database of Systematic Reviews") or (TI (information n2 synthesis)) or (TI (data n2 synthesis)) or (AB (information n2 synthesis)) or (AB (data n2 synthesis)) or (TI (data n2 extract*)) or (AB (data n2 extract*)) or (TI (medline or pubmed or psyclit or cinahl or (psycinfo not "psycinfo database") or "web of science" or scopus or embase)) or (AB (medline or pubmed or psyclit or cinahl or (psycinfo not "psycinfo database") or "web of science" or scopus or embase)) or (TI (meta-analy* or metaanaly*)) or (AB (meta-analy* or metaanaly*))	192,251

30.	(ZT "meta synthesis") OR ((MH "Qualitative Studies+") AND ((ZT "meta analysis") or (ZT "systematic review")))	4,338
31.	TX (review or systematic or meta or synthes*) N3 (qualitative or narrative or interpret* or integrative or evidence)	87,721
32.	TX (meta W3 (study or studies or synthes* or ethnograph* or "data analys*" or summary))	21,585
33.	TX (realist or framework or thematic or "mixed method*") N3 (synthes* or review)	8,056
34.	TX ((meta* or review or synthes* or systematic) N3 ("grounded theory"))	277
35.	TX ((information OR data) N2 synthes*)	929
36.	TX (data W2 extract*)	26,341
37.	TX (metasynthes* OR metaethnograph* OR "qualitative cross-case analysis" OR "aggregated analys*" OR "critical interpretive synthesis" or "meta-narrative")	1,608
38.	28 OR 29 OR 30 OR 31 OR 32 OR 33 OR 34 OR 35 OR 36 OR 37	288,011
39.	21 AND 38 <i>Limiters - Published Date: 20180101-; Language: Danish, English, Norwegian, Swedish</i>	40
<b>Final result</b>		
40.	25 OR 27 OR 39	1,106

The final search result, usually found at the end of the documentation, forms the list of abstracts.

**AB** = Abstract; **AU** = Author; **DE** = Term from the thesaurus; **MH**= Exact Subject Heading from CINAHL Subject Headings; **MM** = Major Concept; **TI** = Title; **TX** = All Text. Performs a keyword search of all the database's searchable fields; **ZC** = Methodology Index; \* = Truncation; " " = Citation Marks; searches for an exact phrase; **N** = Near Operator (N) finds the words if they are a maximum of x words apart from one another, regardless of the order in which they appear.; **W** = Within Operator (W) finds the words if they are within x words of one another, in the order in which you entered them.

**Cochrane Library via Wiley 29 March 2021 (CENTRAL)***Title: Mobility aids for people with physical disabilities***Search terms*****Intervention: Wheelchairs***

1.	MeSH descriptor: [Wheelchairs] this term only
2.	(electric* next/1 trike*):ti,kw
3.	(freewheel or "free wheel"):ti,kw
4.	(handbike* or (hand next/1 bike*)):ti,kw
5.	(handcycle* or (hand next/1 cycle*)):ti,kw
6.	iBOT:ti,kw
7.	(leveraged next/1 freedom next/1 chair*):ti,kw
8.	(mobil* next/1 chair*):ti,kw
9.	(mobility next/1 assistive next/1 technolog*):ti,kw
10.	(mobility next/1 device*):ti,kw
11.	(mobility next/1 technolog*):ti,kw
12.	moped*:ti,kw
13.	("motorised mobility" or "motorized mobility"):ti,kw
14.	powerchair*:ti,kw
15.	(power* NEAR/3 (chair or chairs)):ti,kw
16.	(power* next/1 mobil*):ti,kw
17.	scooter*:ti,kw
18.	wheelchair*:ti,kw
19.	(wheel next/1 chair*):ti,kw
20.	(wheeled next/1 mobil*):ti,kw

***Final result***

21. **{OR #1-#20} with Publication Year from 2000 to 2021, with Cochrane Library publication date Between Jan 2000 and Dec 2021**

<b>Search terms</b>	<b>Items found</b>	
<b><i>Intervention: Wheelchairs</i></b>		
1.	MeSH descriptor: [Wheelchairs] this term only	199
2.	(electric* next/1 trike*):ti,kw	0
3.	(freewheel or "free wheel"):ti,kw	0
4.	(handbike* or (hand next/1 bike*)):ti,kw	3
5.	(handcycle* or (hand next/1 cycle*)):ti,kw	3
6.	iBOT:ti,kw	2
7.	(leveraged next/1 freedom next/1 chair*):ti,kw	0
8.	(mobil* next/1 chair*):ti,kw	0
	(mobility next/1 assistive next/1 technolog*):ti,kw	0
	(mobility next/1 device*):ti,kw	7
	(mobility next/1 technolog*):ti,kw	0
	moped*:ti,kw	3
	("motorised mobility" or "motorized mobility"):ti,kw	0

powerchair*:ti,kw	0
(power* NEAR/3 (chair or chairs)):ti,kw	1
(power* next/1 mobil*):ti,kw	14
scooter*:ti,kw	8
wheelchair*:ti,kw	502
(wheel next/1 chair*):ti,kw	3
(wheeled next/1 mobil*):ti,kw	9

*Final result*

<b>{OR #1-#20} with Publication Year from 2000 to 2021, with Cochrane Library publication date Between Jan 2000 and Dec 2021</b>	<b>CENTRAL/4 62 CDSR/0 DARE/0</b>
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The final search result, usually found at the end of the documentation, forms the list of abstracts.

**:au** = Author; **MeSH** = Term from the Medline controlled vocabulary, including terms found below this term in the MeSH hierarchy; **this term only** = Does not include terms found below this term in the MeSH hierarchy; **:ti** = Title; **:ab** = Abstract; **:kw** = Keyword; **\*** = Truncation; **“ ”** = Citation Marks; searches for an exact phrase; **CDSR** = Cochrane Database of Systematic Review; **Cochrane Protocols** = Protocols of systematic reviews registered in Cochrane Library; **CENTRAL** = Cochrane Central Register of Controlled Trials, “trials”

## Embase via Elsevier 29 March 2021

Title: Mobility aids for people with physical disabilities

Search terms	Items
<b>Intervention: Wheelchairs</b>	
1. 'wheelchair'/exp/mj	4,273
2. 'scooter'/mj	7
3. 'assistive scooter'/mj	3
4. 'electric* trike*':ti,kw	0
5. freewheel:ti,kw OR 'free wheel':ti,kw	17
6. handbike*:ti,kw OR 'hand bike*':ti,kw	40
7. handcycle*:ti,kw OR 'hand cycle*':ti,kw	20
8. ibot:ti,kw	9
9. 'leveraged freedom chair*':ti,kw	0
10. 'mobil* chair*':ti,kw	3
11. 'mobility assistive technolog*':ti,kw	7
12. 'mobility device*':ti,kw	150
13. 'mobility technolog*':ti,kw	20
14. moped*:ti,kw	123
15. 'motorised mobility':ti,kw OR 'motorized mobility':ti,kw	13
16. powerchair*:ti,kw	2
17. (power* NEAR/3 chair\$):ti,kw	15
18. 'power* mobil*':ti,kw	163
19. scooter*:ti,kw	311
20. wheelchair*:ti,kw	4,505
21. 'wheel chair*':ti,kw	111
22. 'wheeled mobil*':ti,kw	122
23. #1 OR #2 OR #3 OR #4 OR #5 OR #6 OR #7 OR #8 OR #9 OR #10 OR #11 OR #12 OR #13 OR #14 OR #15 OR #16 OR #17 OR #18 OR #19 OR #20 OR #21 OR #22	6,017
<b>Study types: Randomized and other controlled trials<sup>2</sup></b>	
24. 'crossover procedure':de OR 'double-blind procedure':de OR 'randomized controlled trial':de OR 'single-blind procedure':de OR random*:de,ab,ti OR factorial*:de,ab,ti OR crossover*:de,ab,ti OR ((cross NEXT/1 over*):de,ab,ti) OR placebo*:de,ab,ti OR ((doubl* NEAR/1 blind*):de,ab,ti) OR ((singl* NEAR/1 blind*):de,ab,ti) OR assign*:de,ab,ti OR allocat*:de,ab,ti OR volunteer*:de,ab,ti	2,661,350
25. 'adaptive clinical trial'/de OR 'clinical trial'/de OR 'comparative effectiveness'/de OR 'comparative study'/de OR 'control group'/de OR 'controlled clinical trial'/de OR 'device comparison'/de OR 'multicenter study'/de OR 'randomized controlled trial'/exp	2,469,853
26. 'comparative stud*':ab,ti OR ((control* NEAR/3 (group* OR study)):ab,ti) OR 'multicenter stud*':ab,ti OR 'non randomised':ab,ti OR 'non randomized':ab,ti OR nonrandomized:ab,ti OR 'quasi experiment*':ab,ti OR rct:ab,ti OR (((treble OR triple) NEXT/1 blind*):ab,ti)	1,265,461
27. #24 OR #25 OR #26	4,824,693
28. #23 AND #27 AND [2000-2021]/py AND ([danish]/lim OR [english]/lim OR [norwegian]/lim OR [swedish]/lim)	839

<sup>2</sup> Row 24 comes from: Lefebvre C, Manheimer E, Glanville J. Embase search strategy for finding RCTs in Embase, amended to embase.com format. The Cochrane Collaboration; 2011. [accessed Jan 18 2021]. Available from: <https://work.cochrane.org/embase>.



<b>Study types: Systematic reviews and meta-syntheses</b>		
29.	'systematic review'/de OR 'meta analysis'/de OR [cochrane review]/lim OR 'review'/de OR ((systematic* NEXT/3 (review* OR overview)):ti,ab OR (systematic* NEXT/3 bibliographic*):ti,ab OR (systematic* NEXT/3 literature):ti,ab OR (meta-analy* or metaanaly*):ti,ab)	2,971,528
30.	<b>#23 AND #29 ([danish]/lim OR [english]/lim OR [norwegian]/lim OR [swedish]/lim) AND [2018-2021]/py</b>	<b>52</b>
<b>Final result</b>		
31.	<b>#28 OR #30</b>	<b>886</b>

The final search result, usually found at the end of the documentation, forms the list of abstracts.

**/de** = Term from the EMTREE controlled vocabulary; **/exp** = Includes terms found below this term in the EMTREE hierarchy

**/mj** = Major Topic; **:ab** = Abstract; **:au** = Author; **:ti** = Article Title; **:ti,ab** = Title or abstract; **\*** = Truncation; **' '** = Citation Marks; searches for an exact phrase; **NEAR/n** = Requests terms that are within 'n' words of each other in either direction; **NEXT/n** = Requests terms that are within 'n' words of each other in the order specified

**Medline via OvidSP 30 March 2021***Title: Mobility aids for people with physical disabilities*

Search terms	Items found
<b>Intervention: Wheelchairs</b>	
1. Wheelchairs/	4837
2. electric* trike*.ti,kf.	0
3. (freewheel or free wheel).ti,kf.	11
4. (handbike* or hand bike*).ti,kf.	33
5. (handcycle* or hand cycle*).ti,kf.	12
6. iBOT.ti,kf.	8
7. leveraged freedom chair*.ti,kf.	0
8. mobil* chair*.ti,kf.	4
9. mobility assistive technolog*.ti,kf.	7
10. mobility device*.ti,kf.	139
11. mobility technolog*.ti,kf.	13
12. moped*.ti,kf.	104
13. (motorised mobility or motorized mobility).ti,kf.	13
14. powerchair*.ti,kf.	1
15. (power* adj3 chair?).ti,kf.	16
16. power* mobil*.ti,kf.	138
17. scooter*.ti,kf.	281
18. wheelchair*.ti,kf.	3565
19. wheel chair*.ti,kf.	107
20. wheeled mobil*.ti,kf.	110
21. or/1-20	6017
<b>Study types: Randomized and other controlled trials<sup>3</sup></b>	
22. randomized controlled trial.pt.	525891
23. controlled clinical trial.pt.	94111
24. (randomized or randomised).ti,ab.	664146
25. placebo.ti,ab.	222401
26. drug therapy.fs.	2294109
27. randomly.ti,ab.	354930
28. trial.ti,ab.	635789
29. groups.ti,ab.	2199272
30. (phase 3 or phase3 or phase III).ti,ab.	50979
31. clinical trial/	528041
32. comparative study/	1886036
33. control groups/	1727
34. controlled before-after studies/	602
35. cross-over studies/	49771
36. double-blind method/	163163
37. multicenter study/	290807
38. non-randomized controlled trials as topic/	890
39. pragmatic clinical trial/	1693
40. equivalence trial/	762
41. random allocation/	104940

<sup>3</sup> Rows 22-29 and 51 comes from: Cochrane Highly Sensitive Search Strategy for identifying randomized trials in MEDLINE: sensitivity- and precision-maximizing version (2008 revision); Ovid format. The Cochrane Collaboration; 2008. [accessed Jan 18 2021]. Available from: <https://training.cochrane.org/handbook/current/chapter-04-technical-supplement-searching-and-selecting-studies#section-3-6-1>. With the modification: the term "randomised" is added

42.	single-blind method/	29917
43.	((singl* or doubl* or treb* or tripl*) adj (blind*3 or mask*3)).ti,ab.	178916
44.	(control* adj3 (group* or study)).ti,ab.	740351
45.	(cross-over or crossover).ti,ab.	88460
46.	multicenter stud*.ti,ab.	30926
47.	comparative stud*.ti,ab.	107042
48.	(non-randomized or nonrandomized).ti,ab.	22962
49.	quasi-experiment*.ti,ab.	15068
50.	or/22-49	6874597
51.	exp animals/ not humans/	4805701
52.	50 not 51	5826437
<b>Combined sets: Intervention AND Randomized and other controlled trials</b>		
53.	21 AND 52	1462
54.	limit 53 to yr="2000 -Current"	1182
55.	<b>limit 54 to (danish or english or norwegian or swedish)</b>	<b>1167</b>
<b>Study types: Qualitative studies<sup>4</sup></b>		
56.	exp Attitude/ or Focus Groups/ or Interviews as Topic/ or interview/ or Interview, Psychological/ or grounded theory/ or Nursing Methodology Research/ or phenomenology/ or qualitative research/ or content analys*.mp. or discourse analys*.mp. or cluster sampl*.mp. or content analys*.mp. or constant comparative method*.mp. or ethnographic research.mp. or ethnological research.mp. or ethnosing research.mp. or field stud*.mp. or field work*.mp. or grounded theory.mp. or hermeneutic*.mp. or interview*.mp. or lived experience*.mp. or narrativ*.mp. or phenomenological research.mp. or purposive sample.mp. or qualitative.mp. or thematic analys*.mp. or theoretical sampl*.mp.	1157394
<b>Combined sets: Intervention AND Qualitative studies</b>		
57.	21 and 56	715
58.	limit 57 to yr="2010 -Current"	449
59.	limit 58 to (danish or english or norwegian or swedish)	445
60.	<b>59 not 51</b>	<b>445</b>
<b>Study types: Systematic reviews and meta-syntheses</b>		
61.	(exp qualitative research/ AND "review"/) OR ("mixed methods".ti,ab. AND "review"/) OR ((review OR systematic OR meta OR synthes*) adj3 (qualitative OR narrative OR interpret* OR integrative OR evidence)).af. OR (meta adj3 (study OR studies OR synthes* OR ethnograph* OR "data analys*" OR summary)).af. OR ((realist OR framework OR thematic OR "mixed method*") adj3 (synthes* OR review)).af. OR ((meta* OR review OR synthes* OR systematic) adj3 "grounded theory").af. OR ((information OR data) adj2 synthes*).af. OR (data adj2 extract*).af. OR (metasynthes* OR metaethnograph* OR "qualitative cross-case analysis" OR "aggregated analys*" OR "critical interpretive synthesis" or "meta-narrative").af.	180045
<b>Combined sets: Intervention AND (Systematic reviews OR meta-syntheses)</b>		
62.	21 AND 61	59
63.	limit 21 to (systematic reviews pre 2019 or systematic reviews)	137
64.	62 OR 63	157
65.	<b>limit 64 to (yr="2018 -Current" and (danish or english or norwegian or swedish))</b>	<b>57</b>
<b>Final result</b>		
66.	55 OR 60 OR 65	1510

<sup>4</sup> Adapted from: Shaw RL, Booth A, Sutton AJ, Miller T, Smith JA, Young B, et al. Finding qualitative research: an evaluation of search strategies. BMC Med Res Methodol. 2004;4:5. Available from: <https://doi.org/10.1186/1471-2288-4-5>.

The final search result, usually found at the end of the documentation, forms the list of abstracts.

**.ab.** = Abstract; **.ab,ti.** = Abstract or title; **.af.** = All fields; **Exp** = Term from the Medline controlled vocabulary, including terms found below this term in the MeSH hierarchy; **.sh.** = Term from the Medline controlled vocabulary; **.ti.** = Title; **/** = Term from the Medline controlled vocabulary, but does not include terms found below this term in the MeSH hierarchy; **\*** = Focus (if found in front of a MeSH-term); **\* or \$** = Truncation (if found at the end of a free text term); **.mp** = Text, heading word, subject area node, title; **“ ”** = Citation Marks; searches for an exact phrase; **ADJn** = Positional operator that lets you retrieve records that contain your terms (in any order) within a specified number (n) of words of each other.

**PsycInfo via EBSCO 29 March 2021***Title: Mobility aids for people with physical disabilities*

Search terms	Items found
<b>Intervention: Wheelchairs</b>	
1. TI "electric* trike*" OR KW "electric* trike*"	0
2. TI (freewheel or "free wheel") OR KW (freewheel or "free wheel")	8
3. TI (handbike* or "hand bike*") OR KW (handbike* or "hand bike*")	0
4. TI (handcycle* or "hand cycle*") OR KW (handcycle* or "hand cycle*")	1
5. TI iBOT OR KW iBOT	3
6. TI "leveraged freedom chair*" OR KW "leveraged freedom chair*"	0
7. TI "mobil* chair*" OR KW "mobil* chair*"	0
8. TI "mobility assistive technolog*" OR KW "mobility assistive technolog*"	3
9. TI "mobility device*" OR KW "mobility device*"	57
10. TI "mobility technolog*" OR KW "mobility technolog*"	7
11. TI moped* OR KW moped*	29
12. TI ("motorised mobility" or "motorized mobility") OR KW ("motorised mobility" or "motorized mobility")	3
13. TI powerchair* OR KW powerchair*	1
14. TI (power* N3 chair#) OR KW (power* N3 chair#)	4
15. TI "power* mobil*" OR KW "power* mobil*"	62
16. TI scooter* OR KW scooter*	51
17. TI wheelchair* OR KW wheelchair*	715
18. TI "wheel chair*" OR KW "wheel chair*"	12
19. TI "wheeled mobil*" OR KW "wheeled mobil*"	43
20. 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 S17 OR S18 OR S19 Limiters - Publication Year: 2000-2021; Language: Danish, English, Norwegian, Swedish	725
<b>Study types: Randomized and other controlled trials</b>	
21. ZC "treatment outcome/clinical trial" or DE "Clinical Trials" or DE "Placebo"	16,938
22. TX((randomi?ed) N3 (study or trial or design or method* or test* or assessment)) or TX((random*) N3 (assign* or alloca*)) or TX((singl* or doubl* or tripl* or trebl*)) N3 (blind* or dumm* or mask*)) or TX(clinical W2 trial*) or TX((singl* or doubl* or treb* or tripl*) W2 (blind* or mask*)) or TX(placebo*) or TX(randomly allocated) or TX(allocated N2 random*) or AB(randomi?ed N6 n=) or TI(controlled W3 trial*) or AB(controlled W3 trial*)	189,156
23. DE "Experiment Controls" OR TI (((singl* OR doubl* OR treb* OR tripl*) W1 (blind* OR mask*)) OR (control* W3 (group* OR study)) OR cross-over OR crossover OR "multicenter stud*" OR "comparative stud*" OR non-randomized OR nonrandomized OR non-randomised OR nonrandomized OR quasi-experiment*) OR AB (((singl* OR doubl* OR treb* OR tripl*) W1 (blind* OR mask*)) OR (control* W3 (group* OR study)) OR cross-over OR crossover OR "multicenter stud*" OR "comparative stud*" OR non-randomized OR nonrandomized OR non-randomised OR nonrandomized OR quasi-experiment*)	183,774
24. S21 OR S22 OR S23	311,706
25. S20 AND S24	62
<b>Limiters - Publication Year: 2000-2021; Language: Danish, English, Norwegian, Swedish</b>	
<b>Study types: Qualitative studies<sup>5</sup></b>	

<sup>5</sup> McKibbon KA, Wilczynski NL, Haynes RB. Developing optimal search strategies for retrieving qualitative studies in PsycINFO. Eval Health Prof. 2006;29(4):440-54. Available from: <https://doi.org/10.1177/0163278706293400>.

26.	TX interview* OR TX experience* OR TI qualitative OR AB qualitative	1,142,155
27.	<b>S20 AND S26</b> <b>Limiters - Publication Year: 2010-2021; Language: Danish, English, Norwegian, Swedish</b>	<b>197</b>
<b>Study types: Systematic reviews and meta-syntheses</b>		
28.	DE "Meta Analysis" OR ZC "systematic review" OR ZC "meta analysis" OR DE "Systematic Review" OR (ZC "metasynthesis") OR ((DE "Qualitative Research" OR DE "Grounded Theory") AND (DE "Literature Review" OR DE "Meta Analysis"))	50,467
29.	TX (systematic* N3 review*) OR TX (metaanaly* OR meta-analy* OR "meta analy*" )	74,104
30.	TX ((systematic* n3 bibliographic*) OR (systematic* n3 literature) OR (comprehensive* n3 literature) OR (comprehensive* n3 bibliographic*) OR (integrative n3 review) OR (information n2 synthesis) OR (data n2 synthesis) OR (data n2 extract*)) OR JN ("Cochrane Database of Systematic Reviews")	23,688
31.	TX ((review or systematic or meta or synthes*) N3 (qualitative or narrative or interpret* or integrative OR evidence))	35,356
32.	TX (meta W3 (study or studies or synthes* or ethnograph* or "data analys*" or summary)	7,251
33.	TX ((realist or framework or thematic or "mixed method*") N3 (synthes* or review))	3,807
34.	TX ((meta* or review or synthes* or systematic) N3 ("grounded theory"))	161
35.	TX ((information OR data) N2 synthes*)	3,465
36.	TX (data W2 extract*)	5,549
37.	TX (metasynthes* OR metaethnograph* OR "qualitative cross-case analysis" OR "aggregated analys*" OR "critical interpretive synthesis" or "meta-narrative")	1,088
38.	S28 OR S29 OR S30 OR S31 OR S32 OR S33 OR S34 OR S35 OR S36 OR S37	109,620
39.	<b>S20 AND S28</b> <b>Limiters - Publication Year: 2018-2021; Language: Danish, English, Norwegian, Swedish</b>	<b>10</b>
<b>Final result</b>		
40.	S25 OR S27 OR S39	256

The final search result, usually found at the end of the documentation, forms the list of abstracts.

**AB** = Abstract; **AU** = Author; **DE** = Term from the thesaurus; **MH**= Exact Subject Heading from CINAHL Subject Headings; **MM** = Major Concept; **TI** = Title; **TX** = All Text. Performs a keyword search of all the database's searchable fields; **ZC** = Methodology Index; \* = Truncation; " " = Citation Marks; searches for an exact phrase; **N** = Near Operator (N) finds the words if they are a maximum of x words apart from one another, regardless of the order in which they appear.; **W** = Within Operator (W) finds the words if they are within x words of one another, in the order in which you entered them.

**CRD database 29 March 2021***Title: Mobility aids for people with physical disabilities*

Search terms		Items
<b>Intervention: Wheelchairs</b>		
1.	MeSH DESCRIPTOR Wheelchairs EXPLODE ALL TREES	16
1.	("electric trike" OR "electric trikes" OR "electrical trike" OR "electrical trikes" OR freewheel or "free wheel" OR handbike OR handbikes OR "hand bike" OR "hand bikes" OR handcycle OR handcycles OR "hand cycle" OR "hand cycles" OR iBOT OR "leveraged freedom chair" OR "leveraged freedom chairs" OR "mobile chair" OR "mobile chairs" OR "mobility chair" OR "mobility chairs" OR "mobility assistive technology" OR "mobility assistive technologies" OR "mobility device" OR "mobility devices" OR "mobility technology" OR "mobility technologies" OR moped OR mopeds OR "motorised mobility" or "motorized mobility" OR powerchair OR powerchairs OR "power chair" OR "power chairs" OR "powered chair" OR "powered chairs" OR "power mobility" OR "powered mobility" OR scooter OR scooters OR wheelchair OR wheelchairs OR "wheel chair" OR "wheel chairs" OR "wheeled mobile" OR "wheeled mobility" );TI	14
2.	#1 OR #2	20
3.	<b>3 Limited to publication year 2018-2021</b>	<b>0</b>

The search result, usually found at the end of the documentation, forms the list of abstracts.

**Epistemonikos 30 March 2021**Title: *Mobility aids for people with physical disabilities*

Search terms		Items
<b>Intervention: Wheelchairs</b>		
1.	Title: ("electric trike" OR "electric trikes" OR "electrical trike" OR "electrical trikes" OR freewheel or "free wheel" OR handbike OR handbikes OR "hand bike" OR "hand bikes" OR handcycle OR handcycles OR "hand cycle" OR "hand cycles" OR iBOT OR "leveraged freedom chair" OR "leveraged freedom chairs" OR "mobile chair" OR "mobile chairs" OR "mobility chair" OR "mobility chairs" OR "mobility assistive technology" OR "mobility assistive technologies" OR "mobility device" OR "mobility devices" OR "mobility technology" OR "mobility technologies" OR moped OR mopeds OR "motorised mobility" or "motorized mobility" OR powerchair OR powerchairs OR "power chair" OR "power chairs" OR "powered chair" OR "powered chairs" OR "power mobility" OR "powered mobility" OR scooter OR scooters OR wheelchair OR wheelchairs OR "wheel chair" OR "wheel chairs" OR "wheeled mobile" OR "wheeled mobility" )	173
2.	<b>1 Limited to publication year: Last 5 years Publication Type: Systematic Review</b>	<b>39</b>

International HTA database 29 March 2021

Title: *Mobility aids for people with physical disabilities*

Search terms		Items
<b>Intervention: Wheelchairs</b>		
1.	("electric trike" OR "electric trikes" OR "electrical trike" OR "electrical trikes" OR freewheel or "free wheel" OR handbike OR handbikes OR "hand bike" OR "hand bikes" OR handcycle OR handcycles OR "hand cycle" OR "hand cycles" OR iBOT OR "leveraged freedom chair" OR "leveraged freedom chairs" OR "mobile chair" OR "mobile chairs" OR "mobility chair" OR "mobility chairs" OR "mobility assistive technology" OR "mobility assistive technologies" OR "mobility device" OR "mobility devices" OR "mobility technology" OR "mobility technologies" OR moped OR mopeds OR "motorised mobility" or "motorized mobility" OR powerchair OR powerchairs OR "power chair" OR "power chairs" OR "powered chair" OR "powered chairs" OR "power mobility" OR "powered mobility" OR scooter OR scooters OR wheelchair OR wheelchairs OR "wheel chair" OR "wheel chairs" OR "wheeled mobile" OR "wheeled mobility" ) [Title] OR (Wheelchairs)[mh]	5
2.	<b>1 Limited to 2018-2021</b>	<b>0</b>

The search result, usually found at the end of the documentation, forms the list of abstracts.



**KSR Evidence 30 March 2021***Title: Mobility aids for people with physical disabilities*

Search terms	Items
<b>Intervention: Wheelchairs</b>	
1. Title: ("electric trike" OR "electric trikes" OR "electrical trike" OR "electrical trikes" OR freewheel or "free wheel" OR handbike OR handbikes OR "hand bike" OR "hand bikes" OR handcycle OR handcycles OR "hand cycle" OR "hand cycles" OR iBOT OR "leveraged freedom chair" OR "leveraged freedom chairs" OR "mobile chair" OR "mobile chairs" OR "mobility chair" OR "mobility chairs" OR "mobility assistive technology" OR "mobility assistive technologies" OR "mobility device" OR "mobility devices" OR "mobility technology" OR "mobility technologies" OR moped OR mopeds OR "motorised mobility" or "motorized mobility" OR powerchair OR powerchairs OR "power chair" OR "power chairs" OR "powered chair" OR "powered chairs" OR "power mobility" OR "powered mobility" OR scooter OR scooters OR wheelchair OR wheelchairs OR "wheel chair" OR "wheel chairs" OR "wheeled mobile" OR "wheeled mobility" )	27
2. <b>1 Limited to publication year: 2021, 2020, 2019,2018</b>	<b>15</b>

## Scopus via Elsevier 29 March 2021

Title: Mobility aids for people with physical disabilities

Search terms	Items found
<i>Intervention AND Randomized and other controlled trials</i>	
<p>1. ((TITLE("electric* trike*")) OR (TITLE((freewheel or "free wheel"))) OR (TITLE((handbike* or "hand bike*"))) OR (TITLE((handcycle* or "hand cycle*"))) OR (TITLE(iBOT)) OR (TITLE("leveraged freedom chair*")) OR (TITLE("mobil* chair*")) OR (TITLE("mobility assistive technolog*")) OR (TITLE("mobility device*")) OR (TITLE("mobility technolog*")) OR (TITLE(moped*)) OR (TITLE(("motorised mobility" or "motorized mobility"))) OR (TITLE(powerchair*)) OR (TITLE((power* W/3 (chair OR chairs)))) OR (TITLE("power* mobil*")) OR (TITLE(scooter*)) OR (TITLE(wheelchair*)) OR (TITLE("wheel chair*")) OR (TITLE("wheeled mobil*"))) AND (INDEXTERMS ( "clinical trials" OR "clinical trials as a topic" OR "randomized controlled trial" OR "Randomized Controlled Trials as Topic" OR "controlled clinical trial" OR "Controlled Clinical Trials" OR "random allocation" OR "Double-Blind Method" OR "Single-Blind Method" OR "Cross-Over Studies" OR "Placebos" OR "multicenter study" OR "double blind procedure" OR "single blind procedure" OR "crossover procedure" OR "clinical trial" OR "controlled study" OR "randomization" OR "placebo" ) OR TITLE-ABS-KEY ( "clinical trials" OR "randomized controlled trial" OR "randomized controlled trials" OR "controlled clinical trial" OR "controlled clinical trials" OR "random allocation" OR "randomly allocated" OR "allocated randomly" OR "Double-Blind Method" OR "single-blind method" OR "cross-over studies" OR placebo* OR "cross-over trial" OR "single blind" OR "double blind" OR "factorial design" OR "factorial trial" ) OR TITLE ( trial* OR rct OR randomised* OR randomized* OR ((singl* OR doubl* OR treb* OR tripl*) PRE/1 (blind* OR mask*)) OR (control* PRE/3 (group* OR study)) OR cross-over OR crossover OR "multicenter stud*" OR "comparative stud*" OR non-randomized OR nonrandomized OR non-randomised OR nonrandomized OR quasi-experiment*)) AND (LIMIT-TO ( PUBYEAR,2021) OR LIMIT-TO ( PUBYEAR,2020) OR LIMIT-TO ( PUBYEAR,2019) OR LIMIT-TO ( PUBYEAR,2018) OR LIMIT-TO ( PUBYEAR,2017) OR LIMIT-TO ( PUBYEAR,2016) OR LIMIT-TO ( PUBYEAR,2015) OR LIMIT-TO ( PUBYEAR,2014) OR LIMIT-TO ( PUBYEAR,2013) OR LIMIT-TO ( PUBYEAR,2012) OR LIMIT-TO ( PUBYEAR,2011) OR LIMIT-TO ( PUBYEAR,2010) OR LIMIT-TO ( PUBYEAR,2009) OR LIMIT-TO ( PUBYEAR,2008) OR LIMIT-TO ( PUBYEAR,2007) OR LIMIT-TO ( PUBYEAR,2006) OR LIMIT-TO ( PUBYEAR,2005) OR LIMIT-TO ( PUBYEAR,2004) OR LIMIT-TO ( PUBYEAR,2003) OR LIMIT-TO ( PUBYEAR,2002) OR LIMIT-TO ( PUBYEAR,2001) OR LIMIT-TO ( PUBYEAR,2000) ) AND ( LIMIT-TO ( LANGUAGE,"English" ) )</p>	820
<i>Intervention AND Qualitative studies</i>	
<p>2. (TITLE("electric* trike*") OR TITLE(freewheel or "free wheel") OR TITLE(handbike* or "hand bike*") OR TITLE(handcycle* or "hand cycle*") OR TITLE(iBOT) OR TITLE("leveraged freedom chair*") OR TITLE("mobil* chair*") OR TITLE("mobility assistive technolog*") OR TITLE("mobility device*") OR TITLE("mobility technolog*") OR TITLE(moped*) OR TITLE("motorised mobility" or "motorized mobility") OR TITLE(powerchair*) OR TITLE(power* W/3 (chair OR chairs)) OR TITLE("power* mobil*") OR TITLE(scooter*) OR TITLE(wheelchair*) OR TITLE("wheel chair*") OR TITLE("wheeled mobil*")) AND (TITLE-ABS-KEY ( "content analys*" or "discourse analys*" or "cluster sampl*" or "content analys*" or "constant comparative method*" or "ethnographic research " or "ethnological research" or "ethnonursing research" or "field stud*" or "field work*" or "grounded theory" or hermeneutic* or interview* or "lived experience*" or "mixed method*" or narrativ* or "phenomenological research" or "purposive sample" or qualitative or "thematic analys*" or "theoretical sampl*")) AND (LIMIT-TO ( PUBYEAR,2021) OR LIMIT-TO ( PUBYEAR,2020) OR LIMIT-TO ( PUBYEAR,2019) OR LIMIT-TO ( PUBYEAR,2018) OR LIMIT-TO ( PUBYEAR,2017) OR LIMIT-TO ( PUBYEAR,2016) OR LIMIT-TO ( PUBYEAR,2015) OR LIMIT-TO ( PUBYEAR,2014) OR</p>	431

LIMIT-TO ( PUBYEAR,2013) OR LIMIT-TO ( PUBYEAR,2012) OR LIMIT-TO ( PUBYEAR,2011) OR LIMIT-TO ( PUBYEAR,2010) ) AND ( LIMIT-TO ( LANGUAGE,"English" ) )

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*Intervention AND (Systematic reviews OR meta-syntheses)*

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1. (TITLE("electric\* trike\*") OR TITLE(freewheel or "free wheel") OR TITLE(handbike\* or "hand bike\*") OR TITLE(handcycle\* or "hand cycle\*") OR TITLE(iBOT) OR TITLE("leveraged freedom chair\*") OR TITLE("mobil\* chair\*") OR TITLE("mobility assistive technolog\*") OR TITLE("mobility device\*") OR TITLE("mobility technolog\*") OR TITLE(moped\*) OR TITLE("motorised mobility" or "motorized mobility") OR TITLE(powerchair\*) OR TITLE(power\* W/3 (chair OR chairs)) OR TITLE("power\* mobil\*") OR TITLE(scooter\*) OR TITLE(wheelchair\*) OR TITLE("wheel chair\*") OR TITLE("wheeled mobil\*")) AND (KEY("Systematic review" ) OR KEY("Meta analysis" ) OR INDEXTERMS ('systematic review' OR 'meta analysis' OR "Meta-Analysis") OR TITLE-ABS-KEY (systematic W/2 review\*) OR TITLE-ABS-KEY (meta-analy\* OR metaanaly\*) OR TITLE-ABS-KEY ("systematic overview\*" OR "methodological overview\*" OR "technology assessment\*" OR "technology overview\*" OR HTA OR HTAs OR "methodological review\*" OR "methodologic review\*" OR "quantitative review\*" OR "quantitative overview\*" OR "quantitative synthes\*")) AND ( LIMIT-TO ( PUBYEAR , 2021 ) OR LIMIT-TO ( PUBYEAR , 2020 ) OR LIMIT-TO ( PUBYEAR , 2019 ) OR LIMIT-TO ( PUBYEAR , 2018 ) )
- 

The final search result, usually found at the end of the documentation, forms the list of abstracts.

TITLE-ABS-KEY\_ = Title or abstract or keywords; **ALL** = All fields; **PRE/n** = "precedes by". The first term in the search must precede the second by a specified number of terms (n).; **W/n** = "Within". The terms in the search must be within a specified number of terms (n) in any order.; \* = Truncation; " " = Citation Marks; searches for an exact phrase; **LIMIT-TO (SRCTYPE, "j"** = Limit to source type journal; **LIMIT-TO (DOCTYPE, "ar"** = Limit to document type article; **LIMIT-TO (DOCTYPE, "re"** = Limit to document type review

## Scopus via Elsevier 27 January 2021

Title: Mobility aids for people with physical disabilities (citation search)

Search terms	Items
<b>Cited articles</b>	
2. (PMID(31012762 OR 26215495 OR 21560917 OR 24784724 OR 26294604 OR 26378836 OR 28818075 OR 32386159 OR 29627995 OR 19484640 OR 27982717 OR 28346029 OR 16871856 OR 12674310 OR 17654003 OR 17384418 OR 16570838 OR 15068158 OR 29092651 OR 22023379 OR 14518796 OR 19241234 OR 16181170 OR 25230071 OR 15759252 OR 18954289 OR 15759216 OR 14970966 OR 25356558 OR 10749033 OR 25802961 OR 26360645 OR 11387581 OR 17453011 OR 26801984 OR 20726737 OR 25622729 OR 16344029 OR 25702375 OR 26343171 OR 30094810 OR 31336101 OR 15473115 OR 22466379 OR 18295626 OR 11245762 OR 26232684 OR 28002472 OR 20026933 OR 30476489 OR 25353194 OR 21059666 OR 28629270 OR 30396629 OR 31312016 OR 23022092 OR 26150167 OR 26914856 OR 23856151 OR 23537608 OR 22494946 OR 26660337 OR 27153762 OR 28782541 OR 30206918 OR 29256337 OR 21292803 OR 17138842 OR 30440546 OR 2002153370 OR 21273901 OR 29580935 OR 16571389 OR 28714323)) OR (DOI(10.1080/09638288.2019.1709911) OR DOI(10.1177/030802260006301108) OR DOI(10.5014/ajot.2014.013565) OR DOI(10.1177/030802260406700203) OR DOI(10.3233/tad-2008-20104) OR DOI(10.1589/jpts.29.1607) OR DOI(10.1080/09638288.2019.1668484) OR DOI(10.1186/s40814-017-0158-3))	82
<b>Citing articles</b>	
3. #1 View cited by	1,235
<b>Citing articles AND Study types: Randomized and other controlled trials</b>	
4. #2 Refined to: ( ( INDEXTERMS ( "clinical trials" OR "clinical trials as a topic" OR "randomized controlled trial" OR "Randomized Controlled Trials as Topic" OR "controlled clinical trial" OR "Controlled Clinical Trials" OR "random allocation" OR "Double-Blind Method" OR "Single-Blind Method" OR "Cross-Over Studies" OR "Placebos" OR "multicenter study" OR "double blind procedure" OR "single blind procedure" OR "crossover procedure" OR "clinical trial" OR "controlled study" OR "randomization" OR "placebo" ) OR TITLE-ABS-KEY ( "clinical trials" OR "randomized controlled trial" OR "randomized controlled trials" OR "controlled clinical trial" OR "controlled clinical trials" OR "random allocation" OR "randomly allocated" OR "allocated randomly" OR "Double-Blind Method" OR "single-blind method" OR "cross-over studies" OR placebo* OR "cross-over trial" OR "single blind" OR "double blind" OR "factorial design" OR "factorial trial" ) OR TITLE ( trial* OR rct OR randomised* OR randomized* OR ( ( singl* OR doubl* OR treb* OR tripl* ) PRE/1 ( blind* OR mask* ) ) OR ( control* PRE/3 ( group* OR study ) ) OR cross-over OR crossover OR "multicenter stud*" OR "comparative stud*" OR non-randomized OR nonrandomized OR non-randomised OR nonrandomized OR quasi-experiment* ) ) AND ( LIMIT-TO ( LANGUAGE , "English" ) )	323
<b>Citing articles AND Study types: Qualitative studies</b>	
5. #2 Refined to: ( ( TITLE-ABS-KEY ( "content analys*" OR "discourse analys*" OR "cluster sampl*" OR "content analys*" OR "constant comparative method*" OR "ethnographic research" OR "ethnological research" OR "ethnonursing research" OR "field stud*" OR "field work*" OR "grounded theory" OR hermeneutic* OR interview* OR "lived experience*" OR "mixed method*" OR narrativ* OR "phenomenological research" OR "purposive sample" OR qualitative OR "thematic analys*" OR "theoretical sampl*" ) ) AND ( LIMIT-TO ( PUBYEAR , 2021 ) OR LIMIT-TO ( PUBYEAR , 2020 ) OR LIMIT-TO ( PUBYEAR , 2019 ) OR LIMIT-TO ( PUBYEAR , 2018 ) OR LIMIT-TO ( PUBYEAR , 2017 ) OR LIMIT-TO ( PUBYEAR , 2016 ) OR LIMIT-TO ( PUBYEAR , 2015 ) OR	205

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**LIMIT-TO ( PUBYEAR , 2014 ) OR LIMIT-TO ( PUBYEAR , 2013 ) OR LIMIT-TO ( PUBYEAR , 2012 ) OR LIMIT-TO ( PUBYEAR , 2011 ) OR LIMIT-TO ( PUBYEAR , 2010 ) ) AND ( LIMIT-TO ( LANGUAGE , "English" ) )**

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The search result, usually found at the end of the documentation, forms the list of abstracts.

TITLE-ABS-KEY = Title or abstract or keywords; ALL = All fields; PMID = PubMed ID; DOI = Digital Object Identifier; PRE/n = "precedes by". The first term in the search must precede the second by a specified number of terms (n).; W/n = "Within". The terms in the search must be within a specified number of terms (n) in any order.; \* = Truncation; " " = Citation Marks; searches for an exact phrase; LIMIT-TO (SRCTYPE, "j" = Limit to source type journal; LIMIT-TO (DOCTYPE, "ar" = Limit to document type article; LIMIT-TO (DOCTYPE, "re" = Limit to document type review

**List of cited articles:**

1. Archambault PS, Tremblay S, Cachecho S, Routhier F, Boissy P. Driving performance in a power wheelchair simulator. *Disabil Rehabil Assistive Technol.* 2012;7(3):226-33. Available from: <https://doi.org/10.3109/17483107.2011.625072>.
2. Bakkum AJT, De Groot S, Stolwijk-Swüste JM, Van Kuppevelt DJ, Van Der Woude LHV, Janssen TWJ. Effects of hybrid cycling versus handcycling on wheelchair-specific fitness and physical activity in people with long-term spinal cord injury: A 16-week randomized controlled trial. *Spinal Cord.* 2015;53(5):395-401. Available from: <https://doi.org/10.1038/sc.2014.237>.
3. Barbareschi G, Holloway C. Understanding independent wheelchair transfers. Perspectives from stakeholders. *Disabil Rehabil Assistive Technol.* 2020;15(5):545-52. Available from: <https://doi.org/10.1080/17483107.2019.1594407>.
4. Barker DJ, Reid D, Cott C. Acceptance and meanings of wheelchair use in senior stroke survivors. *Am J Occup Ther.* 2004;58(2):221-30. Available from: <https://doi.org/10.5014/ajot.58.2.221>.
5. Barker DJ, Reid D, Cott C. The experience of senior stroke survivors: Factors in community participation among wheelchair users. *Can J Occup Ther.* 2006;73(1):18-25. Available from: <https://doi.org/10.2182/cjot.05.0002>.
6. Best KL, Kirby RL, Smith C, MacLeod DA. Wheelchair skills training for community-based manual wheelchair users: A randomized controlled trial. *Arch Phys Med Rehabil.* 2005;86(12):2316-23. Available from: <https://doi.org/10.1016/j.apmr.2005.07.300>.
7. Best KL, Miller WC, Eng JJ, Routhier F, Goldsmith C. Randomized controlled trial protocol feasibility: The Wheelchair Self-Efficacy Enhanced for Use (WheelSeeU). *Can J Occup Ther.* 2014;81(5):308-19. Available from: <https://doi.org/10.1177/0008417414546743>.
8. Best KL, Miller WC, Huston G, Routhier F, Eng JJ. Pilot study of a peer-led wheelchair training program to improve self-efficacy using a manual wheelchair: A randomized controlled trial. *Arch Phys Med Rehabil.* 2016;97(1):37-44. Available from: <https://doi.org/10.1016/j.apmr.2015.08.425>.
9. Best KL, Miller WC, Routhier F, Eng JJ. Feasibility of the trial procedures for a randomized controlled trial of a community-based peer-led wheelchair training program for older adults. *Pilot Feasibility Stud.* 2018;4(1). Available from: <https://doi.org/10.1186/s40814-017-0158-3>.
10. Borisoff JF, Ripat J, Chan F. Seasonal Patterns of Community Participation and Mobility of Wheelchair Users Over an Entire Year. *Arch Phys Med Rehabil.* 2018;99(8):1553-60. Available from: <https://doi.org/10.1016/j.apmr.2018.02.011>.
11. Brienza DM, Karg PE, Bertolet M, Schmeler M, Poojary-Mazzotta P, Vlachos H, et al. A Randomized Clinical Trial of Wheeled Mobility for Pressure Injury Prevention and Better Function. *Journal of the American Geriatrics Society.* 2018;66(9):1752-9. Available from: <https://doi.org/10.1111/jgs.15495>.
12. Carey SL, Aguirrezabal A, Sundarrao S, Alqasemi R, Dubey R, editors. *Enhanced Control to Improve Navigation and Manipulation of Power Wheelchairs 2018*: Institute of Electrical and Electronics Engineers Inc.; 30440546.
13. Dewey A, Rice-Oxley M, Dean T. A qualitative study comparing the experiences of tilt-in-space wheelchair use and conventional wheelchair use by clients severely disabled with multiple sclerosis. *Br J Occup Ther.* 2004;67(2):65-74. Available from: <https://doi.org/10.1177/030802260406700203>.
14. DiGiovine CP, Cooper RA, Fitzgerald SG, Boninger ML, Wolf EJ, Guo S. Whole-body vibration during manual wheelchair propulsion with selected seat cushions and back supports. *IEEE Trans Neural Syst Rehabil Eng.* 2003;11(3):311-22. Available from: <https://doi.org/10.1109/TNSRE.2003.816872>.

15. Evans R. The effect of electrically powered indoor/outdoor wheelchairs on occupation: A study of users' views. *Br J Occup Ther*. 2000;63(11):547-53. Available from: <https://doi.org/10.1177/030802260006301108>.
16. Evans S, Frank AO, Neophytou C, de Souza L. Older adults' use of, and satisfaction with, electric powered indoor/outdoor wheelchairs. *Age and Ageing*. 2007;36(4):431-5. Available from: <https://doi.org/10.1093/ageing/afm034>.
17. Evans S, Neophytou C, de Souza L, Frank AO. Young people's experiences using electric powered indoor-outdoor wheelchairs (EPIOCs): Potential for enhancing users' development? *Disabil Rehabil*. 2007;29(16):1281-94. Available from: <https://doi.org/10.1080/09638280600964406>.
18. Geyer MJ, Brienza DM, Karg P, Trefler E, Kelsey S. A randomized control trial to evaluate pressure-reducing seat cushions for elderly wheelchair users. *Adv Skin Wound Care*. 2001;14(3):120-9; quiz 31-32.
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**CINAHL via EBSCO 14 April 2021***Title: Mobility aids for people with physical disabilities - Health economic aspects*

Search terms		Items found
<b>Intervention: Wheelchairs</b>		
1.	(MH "Wheelchairs+")	5,871
2.	TI "electric* trike*"	0
3.	TI (freewheel or "free wheel")	2
4.	TI (handbike* or "hand bike*")	18
5.	TI (handcycle* or "hand cycle*")	12
6.	TI iBOT	14
7.	TI "leveraged freedom chair*"	0
8.	TI "mobil* chair*"	3
9.	TI "mobility assistive technolog*"	7
10.	TI "mobility device*"	123
11.	TI "mobility technolog*"	20
12.	TI moped*	22
13.	TI ("motorised mobility" or "motorized mobility")	7
14.	TI powerchair*	2
15.	TI (power* N3 chair#)	27
16.	TI "power* mobil*"	156
17.	TI scooter*	203
18.	TI wheelchair*	3109
19.	TI "wheel chair*"	16
20.	TI "wheeled mobil*"	93
21.	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 S17 OR S18 OR S19 OR S20	5706
Limiters - Published Date: 20000101-20211231; Language: Danish, English, Norwegian, Swedish		
<b>Study types: Health economic aspects<sup>6</sup></b>		
22.	((MH "Economics") OR (MH "Costs and Cost Analysis+") OR (MH "Health Care Costs+") OR (MH "Economics, Dental") OR (MH "Nursing Costs") OR (MH "Economics, Pharmaceutical") OR TI (econom* or cost or costs or costly or costing or price or prices or pricing or pharmacoeconomic*) OR AB (econom* or cost or costs or costly or costing or price or prices or pricing or pharmacoeconomic*) OR TI (Expenditure* NOT energy) OR AB (Expenditure* NOT energy) OR TI (value N1 money) OR AB (value N1 money) OR TI (budget*) OR AB (budget*)) NOT (TI (Metabolic W2 cost) OR AB (Metabolic W2 cost) OR TI ((energy OR oxygen) W2 cost) OR AB ((energy OR oxygen) W2 cost) OR TI ((Energy OR oxygen) W2 expenditure) OR AB ((Energy OR oxygen) W2 expenditure))	331044
<b>Combined sets</b>		
23.	S21 AND S22	212
<b>Study types: Health economic aspects<sup>7</sup></b>		
24.	(MM "Economics")	6769
25.	(MM "Costs and Cost Analysis+")	44711
26.	TX (economic N1 model*)	3697

<sup>6</sup> Adapted/translated from: Search strategies: NHS EED. York: Centre for Reviews and Dissemination. [accessed Jan 18 2021]. Available from: <http://www.crd.york.ac.uk/crdweb/searchstrategies.asp>.

<sup>7</sup> Adapted/translated from: Narrow Economic filter: CADTH's Database Search Filters. Ottawa: CADTH; 2016. [accessed Jan 18 2021]. Available from: <https://www.cadth.ca/resources/finding-evidence/strings-attached-cadths-database-search-filters#narrow>.

27.	TI ( "cost minimi*" or cost-utilit* or "health utilit*" or "economic evaluation*" or "economic review*" or "cost outcome" or "cost analys#s" or "economic analys#s" or "budget* impact analys#s" ) OR AB ( "cost minimi*" or cost-utilit* or "health utilit*" or "economic evaluation*" or "economic review*" or "cost outcome" or "cost analys#s" or "economic analys#s" or "budget* impact analys#s" )	12624
28.	TI cost-effective* or pharmaco-economic* or pharmaco-economic* or cost-benefit or costs	234457
29.	AB "life year" or "life years" or qaly* or "cost-benefit analys#s" or "cost-effectiveness analys#s"	41125
30.	TI ( cost or economic* ) AND AB ( costs or cost-effectiveness or markov )	22907
31.	S24 OR S25 OR S26 OR S27 OR S28 OR S29 OR S30	246756
<b>Combined sets</b>		
32.	S21 AND S31	199
<b>Study types: Health economic aspects<sup>8</sup></b>		
33.	TI ( cost# N1 (illness or disease or sickness ) OR AB ( cost# N1 (illness or disease or sickness) )	1491
34.	TI ( burden# N1 (illness or disease# or condition# or economic*) ) OR AB ( burden# N1 (illness or disease# or condition# or economic*) )	14352
35.	TI ( "quality-adjusted life years" or "quality adjusted life years" or QALY# ) OR AB ( "quality-adjusted life years" or "quality adjusted life years" or QALY# )	5412
36.	(MH "Quality-Adjusted Life Years")	5066
37.	(MH "Economic Aspects of Illness")	10011
38.	(MH "Health Care Costs+")	62138
39.	(MH "Costs and Cost Analysis")	18001
40.	TI ( out-of-pocket N1 (payment# or expenditure# or cost# or spending or expense#) ) OR AB ( out-of-pocket N1 (payment# or expenditure# or cost# or spending or expense#) )	2865
41.	TI ( expenditure# N2 (health or direct or indirect) ) OR AB ( expenditure# N2 (health or direct or indirect) )	3933
42.	TI ( (adjusted or quality-adjusted) N1 year# ) OR AB ( (adjusted or quality-adjusted) N1 year# )	8192
43.	S33 OR S34 OR S35 OR S36 OR S37 OR S38 OR S39 OR S40 OR S41 OR S42	106164
<b>Combined sets</b>		
44.	S21 AND S43	45
<b>Combined sets<sup>9</sup></b>		
45.	<b>S23 OR S32 OR S44</b>	<b>252</b>

The search result, usually found at the end of the documentation, forms the list of abstracts.

AB = Abstract

AU = Author

DE = Term from the thesaurus

<sup>8</sup> Adapted/translated from: Aluko P, Graybill E, Craig D, Henderson C, Drummond M, Wilson E, et al. Chapter 20.2.3.2 Identifying cost-of-illness studies for the Background section. In: Higgins J, Thomas J, Chandler J, Cumpston M, Li T, Page M, et al., editors. Cochrane Handbook for Systematic Reviews of Interventions version 6.1 (updated September 2020): Cochrane; 2020. [accessed Jan 18 2021]. Available from: <https://training.cochrane.org/handbook/current/chapter-20#section-20-2-3-2>.

<sup>9</sup> In this project we have evaluated the performance of three different search filters for health economic aspects

MH = Exact subject heading

MM = Major Concept

Nx = Near Operator, finds the words if they are a maximum of x words apart from one another, regardless of the order in which they appear

TI = Title

TX = All Text. Performs a keyword search of all the database's searchable fields

ZC = Methodology Index

\* = Truncation

“ ” = Citation Marks; searches for an exact phrase

## Cochrane Library via Wiley 14 April 2020 (CENTRAL)

Title: *Mobility aids for people with physical disabilities - Health economic aspects*

Search terms	Items found
<b>Intervention: Wheelchairs</b>	
1. MeSH descriptor: [Wheelchairs] this term only	199
2. (electric* next/1 trike*):ti,kw	0
3. (freewheel or "free wheel"):ti,kw	0
4. (handbike* or (hand next/1 bike*)):ti,kw	3
5. (handcycle* or (hand next/1 cycle*)):ti,kw	3
6. iBOT:ti,kw	2
7. (leveraged next/1 freedom next/1 chair*):ti,kw	0
8. (mobil* next/1 chair*):ti,kw	0
9. (mobility next/1 assistive next/1 technolog*):ti,kw	0
10. (mobility next/1 device*):ti,kw	7
11. (mobility next/1 technolog*):ti,kw	0
12. moped*:ti,kw	3
13. ("motorised mobility" or "motorized mobility"):ti,kw	0
14. powerchair*:ti,kw	0
15. (power* NEAR/3 (chair or chairs)):ti,kw	1
16. (power* next/1 mobil*):ti,kw	14
17. scooter*:ti,kw	8
18. wheelchair*:ti,kw	506
19. (wheel next/1 chair*):ti,kw	3
20. (wheeled next/1 mobil*):ti,kw	9
21. {OR #1-#20} with Publication Year from 2000 to 2021, with Cochrane Library publication date Between Jan 2000 and Dec 2021	466
<b>Study types: Health economic aspects<sup>10</sup></b>	
22. MeSH descriptor: [Economics] this term only	40
23. MeSH descriptor: [Costs and Cost Analysis] explode all trees	10741
24. MeSH descriptor: [Economics, Dental] this term only	2
25. MeSH descriptor: [Economics, Hospital] explode all trees	725
26. MeSH descriptor: [Economics, Medical] this term only	26
27. MeSH descriptor: [Economics, Nursing] this term only	12
28. MeSH descriptor: [Economics, Pharmaceutical] this term only	65
29. ((economic* OR cost OR costs OR costly OR costing OR price OR prices OR pricing OR pharmaco-economic* OR (expenditure* NOT energy) OR (value NEAR/2 money) OR budget*) NOT (((energy OR oxygen) NEAR/10 cost) OR (metabolic NEAR/10 cost) OR ((energy OR oxygen) NEAR/10 expenditure))):ti,ab	77663
30. {OR #22-#29}	79073
<b>Combined sets</b>	
31. #21 AND #30	39
<b>Study types: Health economic aspects<sup>11</sup></b>	
32. [mh ^Economics[mj]]	0
33. [mh "costs and cost analysis"[mj]]	644
34. economic NEAR/2 model*	726

<sup>10</sup> Adapted/translated from: Search strategies: NHS EED. York: Centre for Reviews and Dissemination. [accessed Jan 18 2021]. Available from: <https://www.crd.york.ac.uk/crdweb/searchstrategies.asp>.

<sup>11</sup> Adapted/translated from: Narrow Economic filter: CADTH's Database Search Filters. Ottawa: CADTH; 2016. [accessed Jan 18 2021]. Available from: <https://www.cadth.ca/resources/finding-evidence/strings-attached-cadths-database-search-filters#narrow>.

35.	((cost next/1 minimi*) OR cost-utilit* OR (health next/1 utilit*) OR (economic next/1 evaluation*) OR (economic next/1 review*) OR "cost outcome" OR "cost analysis" OR "cost analyses" OR "economic analysis" OR "economic analyses" OR (budget* next/1 impact next/1 analysis) OR (budget* next/1 impact next/1 analyses)):ti,ab,kw	10385
36.	(cost-effective* OR pharmacoeconomic* OR pharmaco-economic* OR cost-benefit OR costs):ti,kw	23639
37.	("life year" OR "life years" OR qaly*):ab,kw	6084
38.	("cost-benefit analysis" OR "cost-benefit analyses" OR "cost-effectiveness analysis" OR "cost-effectiveness analyses"):ab,kw	18896
39.	((cost OR economic*):ti,kw) AND ((costs OR cost-effectiveness OR markov):ab)	18461
40.	{OR #32-#39}	32432
<b>Combined sets</b>		
41.	#21 AND #40	18
<b>Study types: Health economic aspects<sup>12</sup></b>		
42.	((cost OR costs) NEAR/2 (illness OR disease OR sickness)):ti,ab	381
43.	((burden OR burdens) NEAR/2 (illness OR disease OR diseases OR condition OR conditions OR economic*)):ti,ab	3401
44.	("quality-adjusted life years" OR "quality adjusted life years" OR QALY OR QALYs):ti,ab	4488
45.	MeSH descriptor: [Quality-Adjusted Life Years] this term only	1303
46.	MeSH descriptor: [Cost of Illness] this term only	829
47.	MeSH descriptor: [Health Expenditures] this term only	230
48.	(out-of-pocket NEAR/2 (payment OR payments OR expenditure OR expenditures OR cost OR costs OR spending OR expense OR expenses)):ti,ab	73840
49.	((expenditure OR expenditures) NEAR/3 (health OR direct OR indirect)):ti,ab	651
50.	((adjusted OR quality-adjusted) NEAR/2 (year OR years)):ti,ab	5005
51.	{OR #42-#50}	77570
<b>Combined sets</b>		
52.	#21 AND #51	50
<b>Comined sets<sup>13</sup></b>		
53.	<b>#31 OR #41 OR #52</b>	<b>59</b>

The search result, usually found at the end of the documentation, forms the list of abstracts.

:au = Author

MeSH = Term from the Medline controlled vocabulary, including terms found below this term in the MeSH hierarchy

this term only = Does not include terms found below this term in the MeSH hierarchy

:ti = title

:ab = abstract

<sup>12</sup> Adapted/translated from: Aluko P, Graybill E, Craig D, Henderson C, Drummond M, Wilson E, et al. Chapter 20.2.3.2 Identifying cost-of-illness studies for the Background section. In: Higgins J, Thomas J, Chandler J, Cumpston M, Li T, Page M, et al., editors. Cochrane Handbook for Systematic Reviews of Interventions version 6.1 (updated September 2020): Cochrane; 2020. [accessed Jan 18 2021]. Available from: <https://training.cochrane.org/handbook/current/chapter-20#section-20-2-3-2>.

<sup>13</sup> In this project we have evaluated the performance of three different search filters for health economic aspects



:kw = keyword

\* = Truncation

“ ” = Citation Marks; searches for an exact phrase

NEAR/x = Finds the terms when they are within x words of each other. Terms can appear in either order

NEXT/x = Finds the terms when they appear next to each other. Terms must appear in the order specified

CDSR = Cochrane Database of Systematic Review

CENTRAL = Cochrane Central Register of Controlled Trials, “trials”

**CRD database 14 April 2021***Title: Mobility aids for people with physical disabilities - Health economic aspects*

Search terms		Items found
<b>Intervention: Wheelchairs</b>		
1.	MeSH DESCRIPTOR Wheelchairs EXPLODE ALL TREES	16
2.	("electric trike" OR "electric trikes" OR "electrical trike" OR "electrical trikes" OR freewheel or "free wheel" OR handbike OR handbikes OR "hand bike" OR "hand bikes" OR handcycle OR handcycles OR "hand cycle" OR "hand cycles" OR iBOT OR "leveraged freedom chair" OR "leveraged freedom chairs" OR "mobile chair" OR "mobile chairs" OR "mobility chair" OR "mobility chairs" OR "mobility assistive technology" OR "mobility assistive technologies" OR "mobility device" OR "mobility devices" OR "mobility technology" OR "mobility technologies" OR moped OR mopeds OR "motorised mobility" or "motorized mobility" OR powerchair OR powerchairs OR "power chair" OR "power chairs" OR "powered chair" OR "powered chairs" OR "power mobility" OR "powered mobility" OR scooter OR scooters OR wheelchair OR wheelchairs OR "wheel chair" OR "wheel chairs" OR "wheeled mobile" OR "wheeled mobility" );TI	14
3.	<b>#1 OR #2</b>	<b>20</b>

The search result, usually found at the end of the documentation, forms the list of abstracts.

**Embase via Elsevier 14 April 2021***Title: Mobility aids for people with physical disabilities - Health economic aspects*

Search terms	Items found
<b>Intervention: Wheelchairs</b>	
1. 'wheelchair'/exp/mj	4350
2. 'scooter'/mj	7
3. 'assistive scooter'/mj	3
4. 'electric* trike*':ti,kw	0
5. freewheel:ti,kw OR 'free wheel':ti,kw	17
6. handbike*':ti,kw OR 'hand bike*':ti,kw	41
7. handcycle*':ti,kw OR 'hand cycle*':ti,kw	20
8. ibot:ti,kw	9
9. 'leveraged freedom chair*':ti,kw	0
10. 'mobil* chair*':ti,kw	3
11. 'mobility assistive technolog*':ti,kw	7
12. 'mobility device*':ti,kw	159
13. 'mobility technolog*':ti,kw	20
14. moped*':ti,kw	125
15. 'motorised mobility':ti,kw OR 'motorized mobility':ti,kw	14
16. powerchair*':ti,kw	2
17. (power* NEAR/3 chair\$):ti,kw	15
18. 'power* mobil*':ti,kw	168
19. scooter*':ti,kw	336
20. wheelchair*':ti,kw	4599
21. 'wheel chair*':ti,kw	111
22. 'wheeled mobil*':ti,kw	129
23. #1 OR #2 OR #3 OR #4 OR #5 OR #6 OR #7 OR #8 OR #9 OR #10 OR #11 OR #12 OR #13 OR #14 OR #15 OR #16 OR #17 OR #18 OR #19 OR #20 OR #21 OR #22	6171
<b>Study types: Health economic aspects<sup>14</sup></b>	
24. ('health economics'/de OR 'economic evaluation'/exp OR 'health care cost'/exp OR 'pharmacoeconomics'/exp OR econom*':ab,ti OR cost:ab,ti OR costs:ab,ti OR costly:ab,ti OR costing:ab,ti OR price:ab,ti OR prices:ab,ti OR pricing:ab,ti OR pharmacoeconomic*':ab,ti OR (expenditure*':ti,ab NOT energy:ti,ab) OR ((value NEXT/2 money):ab,ti) OR budget*':ab,ti) NOT (((metabolic NEXT/2 cost):ab,ti) OR ((energy OR oxygen) NEXT/2 cost):ab,ti) OR (((energy OR oxygen) NEAR/2 expenditure):ab,ti))	1528601
<b>Combined sets</b>	
25. #23 AND #24	437
26. #25 AND [2000-2021]/py	336
27. #26 AND [2000-2021]/py AND ([danish]/lim OR [english]/lim OR [norwegian]/lim OR [swedish]/lim)	330
<b>Study types: Health economic aspects<sup>15</sup></b>	
28. 'economics'/mj	27802
29. 'cost'/exp/mj	83802
30. economic NEAR/2 model*	8278

<sup>14</sup> Search strategies: NHS EED. York: Centre for Reviews and Dissemination. [accessed Jan 18 2021]. Available from: <https://www.crd.york.ac.uk/crdweb/searchstrategies.asp>.

<sup>15</sup> Adapted/translated from: Narrow Economic filter: CADTH's Database Search Filters. Ottawa: CADTH; 2016. [accessed Jan 18 2021]. Available from: <https://www.cadth.ca/resources/finding-evidence/strings-attached-cadths-database-search-filters#narrow>.



:ab = Abstract

:au = Author

:ti = Article Title

:ti:ab = Title or abstract

\* = Truncation

“ ” = Citation Marks; searches for an exact phrase

NEAR/x = Requests terms that are within 'x' words of each other in either direction

**International HTA database 14 April 2021***Title: Mobility aids for people with physical disabilities - Health economic aspects*

Search terms	Items found
<b>Intervention: Wheelchairs</b>	
1. ("electric trike" OR "electric trikes" OR "electrical trike" OR "electrical trikes" OR freewheel or "free wheel" OR handbike OR handbikes OR "hand bike" OR "hand bikes" OR handcycle OR handcycles OR "hand cycle" OR "hand cycles" OR iBOT OR "leveraged freedom chair" OR "leveraged freedom chairs" OR "mobile chair" OR "mobile chairs" OR "mobility chair" OR "mobility chairs" OR "mobility assistive technology" OR "mobility assistive technologies" OR "mobility device" OR "mobility devices" OR "mobility technology" OR "mobility technologies" OR moped OR mopeds OR "motorised mobility" or "motorized mobility" OR powerchair OR powerchairs OR "power chair" OR "power chairs" OR "powered chair" OR "powered chairs" OR "power mobility" OR "powered mobility" OR scooter OR scooters OR wheelchair OR wheelchairs OR "wheel chair" OR "wheel chairs" OR "wheeled mobile" OR "wheeled mobility" ) [Title] OR (Wheelchairs)[mh]	5

The search result, usually found at the end of the documentation, forms the list of abstracts.

**Medline via OvidSP 14 April 2021***Title: Mobility aids for people with physical disabilities - Health economic aspects*

Search terms		Items found
<b>Intervention: Wheelchairs</b>		
1.	Wheelchairs/	4851
2.	electric* trike*.ti,kf.	0
3.	(freewheel or free wheel).ti,kf.	11
4.	(handbike* or hand bike*).ti,kf.	33
5.	(handcycle* or hand cycle*).ti,kf.	12
6.	iBOT.ti,kf.	8
7.	leveraged freedom chair*.ti,kf.	0
8.	mobil* chair*.ti,kf.	4
9.	mobility assistive technolog*.ti,kf.	7
10.	mobility device*.ti,kf.	140
11.	mobility technolog*.ti,kf.	13
12.	moped*.ti,kf.	104
13.	(motorised mobility or motorized mobility).ti,kf.	13
14.	powerchair*.ti,kf.	1
15.	(power* adj3 chair?).ti,kf.	16
16.	power* mobil*.ti,kf.	138
17.	scooter*.ti,kf.	281
18.	wheelchair*.ti,kf.	3572
19.	wheel chair*.ti,kf.	107
20.	wheeled mobil*.ti,kf.	111
21.	or/1-20	6027
<b>Study types: Health economic aspects<sup>18</sup></b>		
22.	(economics/ or exp "costs and cost analysis"/ or economics, dental/ or exp "economics, hospital"/ or economics, medical/ or economics, nursing/ or economics, pharmaceutical/ or (economic\$ or cost or costs or costly or costing or price or prices or pricing or pharmacoeconomic\$).ti,ab. or (expenditure\$ not energy).ti,ab. or (value adj1 money).ti,ab. or budget\$.ti,ab.) not (((energy or oxygen) adj cost) or (metabolic adj cost) or ((energy or oxygen) adj expenditure)).ti,ab. not (letter or historical article).pt.	978639
<b>Combined sets</b>		
23.	21 and 22	339
24.	limit 23 to yr="2000 -Current"	261
25.	limit 24 to (danish or english or norwegian or swedish)	255
<b>Study types: Health economic aspects<sup>19</sup></b>		
26.	*economics/	10734
27.	exp *"costs and cost analysis"/	73898
28.	(economic adj2 model*).mp.	13652
29.	(cost minimi* or cost-utilit* or health utilit* or economic evaluation* or economic review* or cost outcome or cost analys?s or economic analys?s or budget* impact analys?s).ti,ab,kf,kw.	34807
30.	(cost-effective* or pharmacoeconomic* or pharmaco-economic* or cost-benefit or costs).ti,kf,kw.	76193

<sup>18</sup> Search strategies: NHS EED. York: Centre for Reviews and Dissemination. [accessed Jan 18 2021]. Available from: <https://www.crd.york.ac.uk/crdweb/searchstrategies.asp>.

<sup>19</sup> Narrow Economic filter: CADTH's Database Search Filters. Ottawa: CADTH; 2016. [accessed Jan 18 2021]. Available from: <https://www.cadth.ca/resources/finding-evidence/strings-attached-cadths-database-search-filters#narrow>.

31.	(life year or life years or qaly* or cost-benefit analys?s or cost-effectiveness analys?s).ab,kf,kw.	32303
32.	(cost or economic*).ti,kf,kw. and (costs or cost-effectiveness or markov).ab.	60860
33.	or/26-32	187020
<b>Combined sets</b>		
34.	21 and 33	61
35.	limit 34 to yr="2000 -Current"	51
36.	limit 35 to (danish or english or norwegian or swedish)	50
<b>Study types: Health economic aspects<sup>20</sup></b>		
37.	(cost? adj2 (illness or disease or sickness)).tw.	4180
38.	(burden? adj2 (illness or disease? or condition? or economic*)).tw.	41498
39.	("quality-adjusted life years" or "quality adjusted life years" or QALY?).tw.	13608
40.	Quality-adjusted life years/	13104
41.	"cost of illness"/	28539
42.	Health expenditures/	21165
43.	(out-of-pocket adj2 (payment? or expenditure? or cost? or spending or expense?)).tw.	5220
44.	(expenditure? adj3 (health or direct or indirect)).tw.	9289
45.	((adjusted or quality-adjusted) adj2 year?).tw.	22849
46.	or/37-45	117686
<b>Combined sets</b>		
47.	21 and 46	26
48.	limit 47 to yr="2000 -Current"	23
49.	limit 48 to (danish or english or norwegian or swedish)	22
<b>Combined sets<sup>21</sup></b>		
50.	<b>25 or 36 or 49</b>	<b>263</b>

The final search result, usually found at the end of the documentation, forms the list of abstracts.

.ab. =Abstract

.ab,ti. = Abstract or title

.af.= All fields

.bt.= Book title

Exp= Term from the Medline controlled vocabulary, including terms found below this term in the MeSH hierarchy

.kf.= Keyword heading word

.sh.= Term from the Medline controlled vocabulary

.ti. = Title

<sup>20</sup> Aluko P, Graybill E, Craig D, Henderson C, Drummond M, Wilson E, et al. Chapter 20.2.3.2 Identifying cost-of-illness studies for the Background section. In: Higgins J, Thomas J, Chandler J, Cumpston M, Li T, Page M, et al., editors. Cochrane Handbook for Systematic Reviews of Interventions version 6.1 (updated September 2020): Cochrane; 2020. [accessed Jan 18 2021]. Available from: <https://training.cochrane.org/handbook/current/chapter-20#section-20-2-3-2>.

<sup>21</sup> In this project we have evaluated the performance of three different search filters for health economic aspects



/ = Term from the Medline controlled vocabulary, but does not include terms found below this term in the MeSH hierarchy

\* = Focus (if found in front of a MeSH-term)

\* or \$ = Truncation (if found at the end of a free text term)

.mp=text, heading word, subject area node, title

“ ” = Citation Marks; searches for an exact phrase

ADJn= positional operator that lets you retrieve records that contain your terms (in any order) within a specified number (n) of words of each other.

## PsycInfo via EBSCO 14 April 2021

Title: *Mobility aids for people with physical disabilities - Health economic aspects*

Search terms	Items found
<b>Intervention: Wheelchairs</b>	
1. TI "electric* trike*" OR KW "electric* trike*"	0
2. TI (freewheel or "free wheel") OR KW (freewheel or "free wheel")	8
3. TI (handbike* or "hand bike*") OR KW (handbike* or "hand bike*")	0
4. TI (handcycle* or "hand cycle*") OR KW (handcycle* or "hand cycle*")	1
5. TI iBOT OR KW iBOT	3
6. TI "leveraged freedom chair*" OR KW "leveraged freedom chair*"	0
7. TI "mobil* chair*" OR KW "mobil* chair*"	0
8. TI "mobility assistive technolog*" OR KW "mobility assistive technolog*"	3
9. TI "mobility device*" OR KW "mobility device*"	57
10. TI "mobility technolog*" OR KW "mobility technolog*"	7
11. TI moped* OR KW moped*	29
12. TI ("motorised mobility" or "motorized mobility") OR KW ("motorised mobility" or "motorized mobility")	3
13. TI powerchair* OR KW powerchair*	1
14. TI (power* N3 chair#) OR KW (power* N3 chair#)	4
15. TI "power* mobil*" OR KW "power* mobil*"	62
16. TI scooter* OR KW scooter*	51
17. TI wheelchair* OR KW wheelchair*	717
18. TI "wheel chair*" OR KW "wheel chair*"	12
19. TI "wheeled mobil*" OR KW "wheeled mobil*"	43
20. 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 S17 OR S18 OR S19	727
Limiters - Publication Year: 2000-2021; Language: Danish, English, Norwegian, Swedish	
<b>Study types: Health economic aspects<sup>22</sup></b>	
21. (DE "Economics") OR (DE "Health Care Economics") OR (DE "Costs and Cost Analysis" OR DE "Budgets" OR DE "Health Care Costs") OR TI (economic* OR cost OR Costs OR costly OR costing OR price OR prices OR pricing OR pharmaco-economic*) OR AB (economic* OR cost OR Costs OR costly OR costing OR price OR prices OR pricing OR pharmaco-economic*)	231867
<b>Combined sets</b>	
22. S20 AND S21	38
<b>Study types: Health economic aspects<sup>23</sup></b>	
23. MM "Economics"	15726
24. (MM "Costs and Cost Analysis" OR MM "Budgets" OR MM "Cost Containment" OR MM "Health Care Costs")	22457
25. TX (economic N1 model*)	2404
26. TI ( "cost minimi*" or cost-utilit* or "health utilit*" or "economic evaluation*" or "economic review*" or "cost outcome" or "cost analys#s" or "economic analys#s" or "budget* impact analys#s" ) OR AB ( "cost minimi*" or cost-utilit* or "health	4718

<sup>22</sup> Adapted/translated from: Search strategies: NHS EED. York: Centre for Reviews and Dissemination. [accessed Jan 18 2021]. Available from: <http://www.crd.york.ac.uk/crdweb/searchstrategies.asp>.

<sup>23</sup> Adapted/translated from: Narrow Economic filter: CADTH's Database Search Filters. Ottawa: CADTH; 2016. [accessed Jan 18 2021]. Available from: <https://www.cadth.ca/resources/finding-evidence/strings-attached-cadths-database-search-filters#narrow>.

	utilit*" or "economic evaluation*" or "economic review*" or "cost outcome" or "cost analys#s" or "economic analys#s" or "budget* impact analys#s" )	
27.	TI cost-effective* or pharmacoeconomic* or pharmaco-economic* or cost-benefit or costs	114930
28.	AB "life year" or "life years" or qaly* or "cost-benefit analys#s" or "cost-effectiveness analys#s"	8654
29.	TI ( cost or economic* ) AND AB ( costs or cost-effectiveness or markov )	14322
30.	S23 OR S24 OR S25 OR S26 OR S27 OR S28 OR S29	131353
<b>Combined sets</b>		
31.	S20 AND S30	32
<b>Study types: Health economic aspects<sup>24</sup></b>		
32.	TI ( cost# N1 (illness or disease or sickness) ) OR AB ( cost# N1 (illness or disease or sickness) )	633
33.	TI ( burden# N1 (illness or disease# or condition# or economic*) ) OR AB ( burden# N1 (illness or disease# or condition# or economic*) )	5782
34.	TI ( "quality-adjusted life years" or "quality adjusted life years" or QALY# ) OR AB ( "quality-adjusted life years" or "quality adjusted life years" or QALY# )	1454
35.	DE "Health Care Economics"	960
36.	DE "Costs and Cost Analysis"	18674
37.	DE "Health Care Costs"	11955
38.	TI ( out-of-pocket N1 (payment# or expenditure# or cost# or spending or expense#) ) OR AB ( out-of-pocket N1 (payment# or expenditure# or cost# or spending or expense#) )	851
39.	TI ( expenditure# N2 (health or direct or indirect) ) OR AB ( expenditure# N2 (health or direct or indirect) )	1513
40.	TI ( (adjusted or quality-adjusted) N1 year# ) OR AB ( (adjusted or quality-adjusted) N1 year# )	2287
41.	S32 OR S33 OR S34 OR S35 OR S36 OR S37 OR S38 OR S39 OR S40	36120
<b>Combined sets</b>		
42.	S20 AND S41	3
<b>Combined sets<sup>25</sup></b>		
43.	<b>S22 OR S31 OR S42</b>	<b>40</b>

The search result, usually found at the end of the documentation, forms the list of abstracts.

AB = Abstract

AU = Author

DE = Term from the thesaurus

MH = Exact subject heading

MM = Major Concept

<sup>24</sup> Adapted/translated from: Aluko P, Graybill E, Craig D, Henderson C, Drummond M, Wilson E, et al. Chapter 20.2.3.2 Identifying cost-of-illness studies for the Background section. In: Higgins J, Thomas J, Chandler J, Cumpston M, Li T, Page M, et al., editors. Cochrane Handbook for Systematic Reviews of Interventions version 6.1 (updated September 2020): Cochrane; 2020. [accessed Jan 18 2021]. Available from: <https://training.cochrane.org/handbook/current/chapter-20#section-20-2-3-2>.

<sup>25</sup> In this project we have evaluated the performance of three different search filters for health economic aspects

Nx = Near Operator, finds the words if they are a maximum of x words apart from one another, regardless of the order in which they appear

TI = Title

TX = All Text. Performs a keyword search of all the database's searchable fields

ZC = Methodology Index

\* = Truncation

“ ” = Citation Marks; searches for an exact phrase

**Scopus via Elsevier 14 April 2021***Title: Internet-delivered psychological treatment (citation search) - Health economic aspects*

Search terms	Items found
<b>Cited article</b>	
1. DOI(10.3233/978-1-61499-566-1-84) OR DOI(10.1016/j.dhjo.2009.10.009) OR DOI(10.1080/17483107.2017.1393701) OR DOI(10.1016/j.apmr.2003.08.096) OR DOI(10.1080/17483107.2020.1754928) OR DOI(10.1080/17483107.2019.1587018) OR DOI(10.1310/sci16-00057) OR DOI(10.3109/17483107.2014.1002540) OR DOI(10.1682/jrrd.2006.10.0136) OR DOI(10.1016/j.apmr.2011.11.024) OR DOI(10.7224/1537-2073.2016-097) OR DOI(10.1080/10400435.2015.1074631) OR DOI(10.3109/17483107.2013.827244) OR DOI(10.1080/17483107.2020.1807622) OR PMID(29044443)	15
2. <b>#1 View cited by</b>	<b>121</b>
3. <b>#1 View references</b>	<b>290</b>

The search result, usually found at the end of the documentation, forms the list of abstracts.

**List of cited articles:**

1. Andrich R, Salatino C, Converti RM, Saruggia M. Cost-effectiveness of powered wheelchairs: Findings of a study. I: Sik-Lanyi C, Cudd P, Miesenberger K, Hoogerwerf EJ, editors.: IOS Press; 2015. p. 84-91.
2. Bamer AM, Connell FA, Dudgeon BJ, Johnson KL. Frequency of purchase and associated costs of assistive technology for Washington State Medicaid program enrollees with spina bifida by age. *Disability and Health Journal*. 2010;3(3):155-61. Available from: <https://doi.org/10.1016/j.dhjo.2009.10.009>.
3. Dolan MJ, Bolton MJ, Henderson GI. Comparison of seating, powered characteristics and functions and costs of electrically powered wheelchairs in a general population of users. *Disabil Rehabil Assistive Technol*. 2019;14(1):56-61. Available from: <https://doi.org/10.1080/17483107.2017.1393701>.
4. Fass MV, Cooper RA, Fitzgerald SG, Schmeler M, Boninger ML, Algood SD, et al. Durability, value, and reliability of selected electric powered wheelchairs. *Archives of Physical Medicine and Rehabilitation*. 2004;85(5):805-14. Available from: <https://doi.org/10.1016/j.apmr.2003.08.096>.
5. Gebrosky B, Bridge A, O'Donnell S, Grindle GG, Cooper R, Cooper RA. Comparing the performance of ultralight folding manual wheelchairs using standardized tests. *Disabil Rehabil Assistive Technol*. 2020. Available from: <https://doi.org/10.1080/17483107.2020.1754928>.
6. Gebrosky B, Grindle G, Cooper R, Cooper R. Comparison of carbon fibre and aluminium materials in the construction of ultralight wheelchairs. *Disabil Rehabil Assistive Technol*. 2020;15(4):432-41. Available from: <https://doi.org/10.1080/17483107.2019.1587018>.
7. Gebrosky B, Pearlman J, Cooper R. Comparison of high-strength aluminum ultralight wheelchairs using ANSI/RESNA testing standards. *Top Spinal Cord Inj Rehabil*. 2018;24(1):63-77. Available from: <https://doi.org/10.1310/sci16-00057>.
8. Giesbrecht EM, Smith EM, Mortenson WB, Miller WC. Needs for mobility devices, home modifications and personal assistance among Canadians with disabilities. *Health Reports*. 2017;28(8):9-15.
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**Scopus via Elsevier 14 April 2021***Title: Mobility aids for people with physical disabilities - Health economic aspects*

## Comments:

- It looks as though the searches are limited to the English language. This is not the case, this is only due to the fact that there were no articles in Danish, Norwegian or Swedish.
- Search line 3 is not limited to the time span 2000-2021 because there were no articles older than year 2000 present in the search results.

Search terms	Items found
<b>Intervention AND Study types: Health economic aspects<sup>26</sup></b>	
1. (TITLE("electric* trike*") OR TITLE(freewheel or "free wheel") OR TITLE(handbike* or "hand bike*") OR TITLE(handcycle* or "hand cycle*") OR TITLE(iBOT) OR TITLE("leveraged freedom chair*") OR TITLE("mobil* chair*") OR TITLE("mobility assistive technolog*") OR TITLE("mobility device*") OR TITLE("mobility technolog*") OR TITLE(moped*) OR TITLE("motorised mobility" or "motorized mobility") OR TITLE(powerchair*) OR TITLE(power* W/3 (chair OR chairs)) OR TITLE("power* mobil*") OR TITLE(scooter*) OR TITLE(wheelchair*) OR TITLE("wheel chair*") OR TITLE("wheeled mobil*")) AND ((TITLE-ABS(economic* OR cost OR costs OR costly OR costing OR price OR prices OR pricing OR pharmaco-economic* OR (expenditure* NOT energy) OR (value W/1 money) OR budget*)) AND NOT (TITLE-ABS((energy OR oxygen) W/10 cost) OR (metabolic W/10 cost) OR ((energy OR oxygen) W/10 expenditure))) AND ( EXCLUDE ( DOCTYPE,"ie" ) ) AND ( LIMIT-TO ( PUBYEAR,2021) OR LIMIT-TO ( PUBYEAR,2020) OR LIMIT-TO ( PUBYEAR,2019) OR LIMIT-TO ( PUBYEAR,2018) OR LIMIT-TO ( PUBYEAR,2017) OR LIMIT-TO ( PUBYEAR,2016) OR LIMIT-TO ( PUBYEAR,2015) OR LIMIT-TO ( PUBYEAR,2014) OR LIMIT-TO ( PUBYEAR,2013) OR LIMIT-TO ( PUBYEAR,2012) OR LIMIT-TO ( PUBYEAR,2011) OR LIMIT-TO ( PUBYEAR,2010) OR LIMIT-TO ( PUBYEAR,2009) OR LIMIT-TO ( PUBYEAR,2008) OR LIMIT-TO ( PUBYEAR,2007) OR LIMIT-TO ( PUBYEAR,2006) OR LIMIT-TO ( PUBYEAR,2005) OR LIMIT-TO ( PUBYEAR,2004) OR LIMIT-TO ( PUBYEAR,2003) OR LIMIT-TO ( PUBYEAR,2002) OR LIMIT-TO ( PUBYEAR,2001) OR LIMIT-TO ( PUBYEAR,2000) ) AND ( LIMIT-TO ( LANGUAGE,"English" ) )	798
<b>Intervention AND Study types: Health economic aspects<sup>27</sup></b>	
2. (TITLE("electric* trike*") OR TITLE(freewheel or "free wheel") OR TITLE(handbike* or "hand bike*") OR TITLE(handcycle* or "hand cycle*") OR TITLE(iBOT) OR TITLE("leveraged freedom chair*") OR TITLE("mobil* chair*") OR TITLE("mobility assistive technolog*") OR TITLE("mobility device*") OR TITLE("mobility technolog*") OR TITLE(moped*) OR TITLE("motorised mobility" or "motorized mobility") OR TITLE(powerchair*) OR TITLE(power* W/3 (chair OR chairs)) OR TITLE("power* mobil*") OR TITLE(scooter*) OR TITLE(wheelchair*) OR TITLE("wheel chair*") OR TITLE("wheeled mobil*")) AND ((TITLE-ABS-KEY((economic W/1 model* OR "cost minimi*" OR cost-utilit* OR "health utilit*" OR "economic evaluation*" OR "economic review*" OR "cost outcome" OR "cost analysis" OR "cost analyses" OR "economic analysis" OR "economic analyses" OR "budget* impact analysis" OR "budget* impact analyses")) OR (TITLE(cost-effective* OR pharmaco-economic* OR pharmaco-economic* OR cost-benefit OR	418

<sup>26</sup> Adapted/translated from: Search strategies: NHS EED. York: Centre for Reviews and Dissemination. [accessed Jan 18 2021]. Available from: <http://www.crd.york.ac.uk/crdweb/searchstrategies.asp>.

<sup>27</sup> Adapted/translated from: Narrow Economic filter: CADTH's Database Search Filters. Ottawa: CADTH; 2016. [accessed Jan 18 2021]. Available from: <https://www.cadth.ca/resources/finding-evidence/strings-attached-cadths-database-search-filters#narrow>.



costs)) OR (KEY(cost-effective\* OR pharmacoeconomic\* OR pharmaco-economic\* OR cost-benefit OR costs)) OR (ABS ("life year" OR "life years" OR qaly\* OR "cost-benefit analysis" OR "cost-benefit analyses" OR "cost-effectiveness analysis" OR "cost-effectiveness analyses")) OR (KEY("life year" OR "life years" OR qaly\* OR "cost-benefit analysis" OR "cost-benefit analyses" OR "cost-effectiveness analysis" OR "cost-effectiveness analyses")) OR (((TITLE(cost OR economic\*)) OR (KEY(cost OR economic\*))) AND (ABS( costs OR cost-effectiveness OR markov)))) AND (LIMIT-TO ( PUBYEAR,2021) OR LIMIT-TO ( PUBYEAR,2020) OR LIMIT-TO ( PUBYEAR,2019) OR LIMIT-TO ( PUBYEAR,2018) OR LIMIT-TO ( PUBYEAR,2017) OR LIMIT-TO ( PUBYEAR,2016) OR LIMIT-TO ( PUBYEAR,2015) OR LIMIT-TO ( PUBYEAR,2014) OR LIMIT-TO ( PUBYEAR,2013) OR LIMIT-TO ( PUBYEAR,2012) OR LIMIT-TO ( PUBYEAR,2011) OR LIMIT-TO ( PUBYEAR,2010) OR LIMIT-TO ( PUBYEAR,2009) OR LIMIT-TO ( PUBYEAR,2008) OR LIMIT-TO ( PUBYEAR,2007) OR LIMIT-TO ( PUBYEAR,2006) OR LIMIT-TO ( PUBYEAR,2005) OR LIMIT-TO ( PUBYEAR,2004) OR LIMIT-TO ( PUBYEAR,2003) OR LIMIT-TO ( PUBYEAR,2002) OR LIMIT-TO ( PUBYEAR,2001) OR LIMIT-TO ( PUBYEAR,2000) ) AND ( LIMIT-TO ( LANGUAGE,"English" ) )

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**Intervention AND Study types: Health economic aspects<sup>28</sup>**


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| 3. | (TITLE("electric* trike*") OR TITLE(freewheel or "free wheel") OR TITLE(handbike* or "hand bike*") OR TITLE(handcycle* or "hand cycle*") OR TITLE(iBOT) OR TITLE("leveraged freedom chair*") OR TITLE("mobil* chair*") OR TITLE("mobility assistive technolog*") OR TITLE("mobility device*") OR TITLE("mobility technolog*") OR TITLE(moped*) OR TITLE("motorised mobility" or "motorized mobility") OR TITLE(powerchair*) OR TITLE(power* W/3 (chair OR chairs)) OR TITLE("power* mobil*") OR TITLE(scooter*) OR TITLE(wheelchair*) OR TITLE("wheel chair*") OR TITLE("wheeled mobil*")) AND (TITLE-ABS(((cost OR costs) W/1 (illness OR disease OR sickness)) OR ((burden OR burdens) W/1 (illness OR disease OR diseases OR condition OR conditions OR economic*)) OR ("quality-adjusted life years" OR "quality adjusted life years" OR QALY OR QALYs) OR (out-of-pocket W/1 (payment OR payments OR expenditure OR expenditures OR cost OR costs OR spending OR expense OR expenses)) OR ((expenditure OR expenditures) W/2 (health OR direct OR indirect)) OR ((adjusted OR quality-adjusted) W/1 (year OR years)))) AND ( LIMIT-TO ( LANGUAGE,"English" ) ) | 4 |
|----|---|---|

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**Combined sets<sup>29</sup>**


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|----|-----------------------|------------|
| 4. | <b>#1 OR #2 OR #3</b> | <b>888</b> |
|----|-----------------------|------------|
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The search result, usually found at the end of the documentation, forms the list of abstracts.

**TITLE-ABS-KEY\_** = Title or abstract or keywords

**ALL** = All fields

**PRE/n** = "precedes by". The first term in the search must precede the second by a specified number of terms (n).

**W/n** = "within". The terms in the search must be within a specified number of terms (n) in any order.

**\*** = Truncation

**“ ”** = Citation Marks; searches for an exact phrase

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<sup>28</sup> Adapted/translated from: Aluko P, Graybill E, Craig D, Henderson C, Drummond M, Wilson E, et al. Chapter 20.2.3.2 Identifying cost-of-illness studies for the Background section. In: Higgins J, Thomas J, Chandler J, Cumpston M, Li T, Page M, et al., editors. Cochrane Handbook for Systematic Reviews of Interventions version 6.1 (updated September 2020): Cochrane; 2020. [accessed Jan 18 2021]. Available from: <https://training.cochrane.org/handbook/current/chapter-20#section-20-2-3-2>.

<sup>29</sup> In this project we have evaluated the performance of three different search filters for health economic aspects