

# CICADA

# Technical report

## List of Tables

<b>Table 1: Additional search limits</b> .....	2
<b>Table 2: Search strategy for overview of chronic cough</b> .....	5
<b>Table 3: Role of multidisciplinary team in diagnosis and management search terms</b> .....	10
<b>Table 4: Culturally safe approach for priority populations search terms</b> .....	14
<b>Table 5: Chronic cough in children search terms</b> .....	18
<b>Table 6: Chronic cough in adult search terms</b> .....	22

## List of Figures

<b>Figure 1: Prevalence PRISMA flow chart</b> .....	3
<b>Figure 2: Risk factor PRISMA flow chart</b> .....	4
<b>Figure 3: Role of the multidisciplinary team PRISMA flow chart</b> .....	9
<b>Figure 4: Culturally safe approach for priority populations PRISMA flow chart</b> .....	13
<b>Figure 5: Chronic cough in children PRISMA flow chart</b> .....	17
<b>Figure 6: Chronic cough in adults PRISMA flow chart</b> .....	21

## Appendix A: Methodology and search strategies

This appendix documents the consensus process and the literature review process used for the development of the CICADA updated position statement.

### Literature review

CICADA was developed by a multidisciplinary expert committee who convened to undertake an extensive literature review and discuss updated recommendations. After removal of duplicates a total of 6,395 articles were screened and 277 new studies were included in the updated full statement (see from **Table 1** to **Table 6** for detailed search strategies). Some of the 277 studies are relevant to multiple sections within the position statement. Throughout the position statement the GRADE of evidence refers to evidence of the efficacy of treatment recommendation on cough occurring in association with the condition. We plan to review the statement every 2-years and make updates as necessary.

**Table 1: Additional search limits**

Limits	Inclusion criteria
<b>Publication types</b>	Full text, peer-reviewed articles including but not limited to systematic reviews, RCTs, guidelines and position statements. We exclude narrative reviews, editorials, letters, conference abstracts, non-clinical studies.
<b>Language</b>	English language only
<b>Search period</b>	2010 to June 2022
<b>Age</b>	Children with chronic cough aged <14 years Adults and adolescents with chronic cough aged >14 years
<b>Definition of chronic cough and chronic bronchitis</b>	Chronic cough >4 weeks in children, >8 weeks in adults Adult chronic bronchitis >3 months for 2 consecutive years

Abbreviations: RCT = Randomised controlled trials

### Data management

Searches were imported into EndNote and duplicates were removed. The relevant citation library was saved as a Microsoft Excel XML file and imported into Covidence for screening and subsequent review. One author screened articles at title and abstract with a second author resolving discrepancies by discussion.

### PRISMA diagrams and search strategy

PRISMA diagrams (**Figure 1** to **Figure 6**) and search terms (**Table 2** to **Table 6**)

# Prevalence and risk factors for chronic cough

Figure 1 show the PRISMA study flow diagram for overview of chronic cough prevalence.

Figure 1: Prevalence PRISMA flow chart

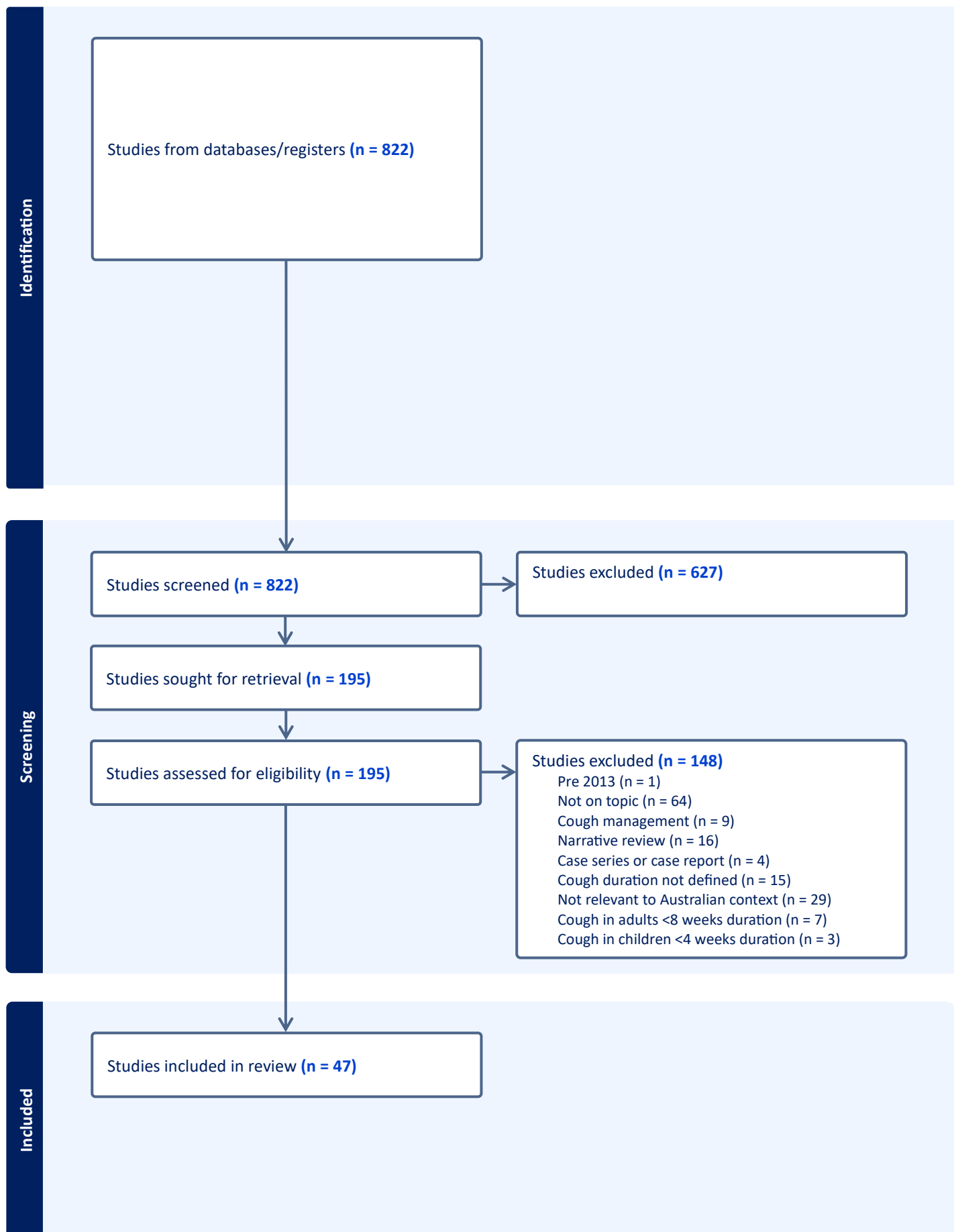
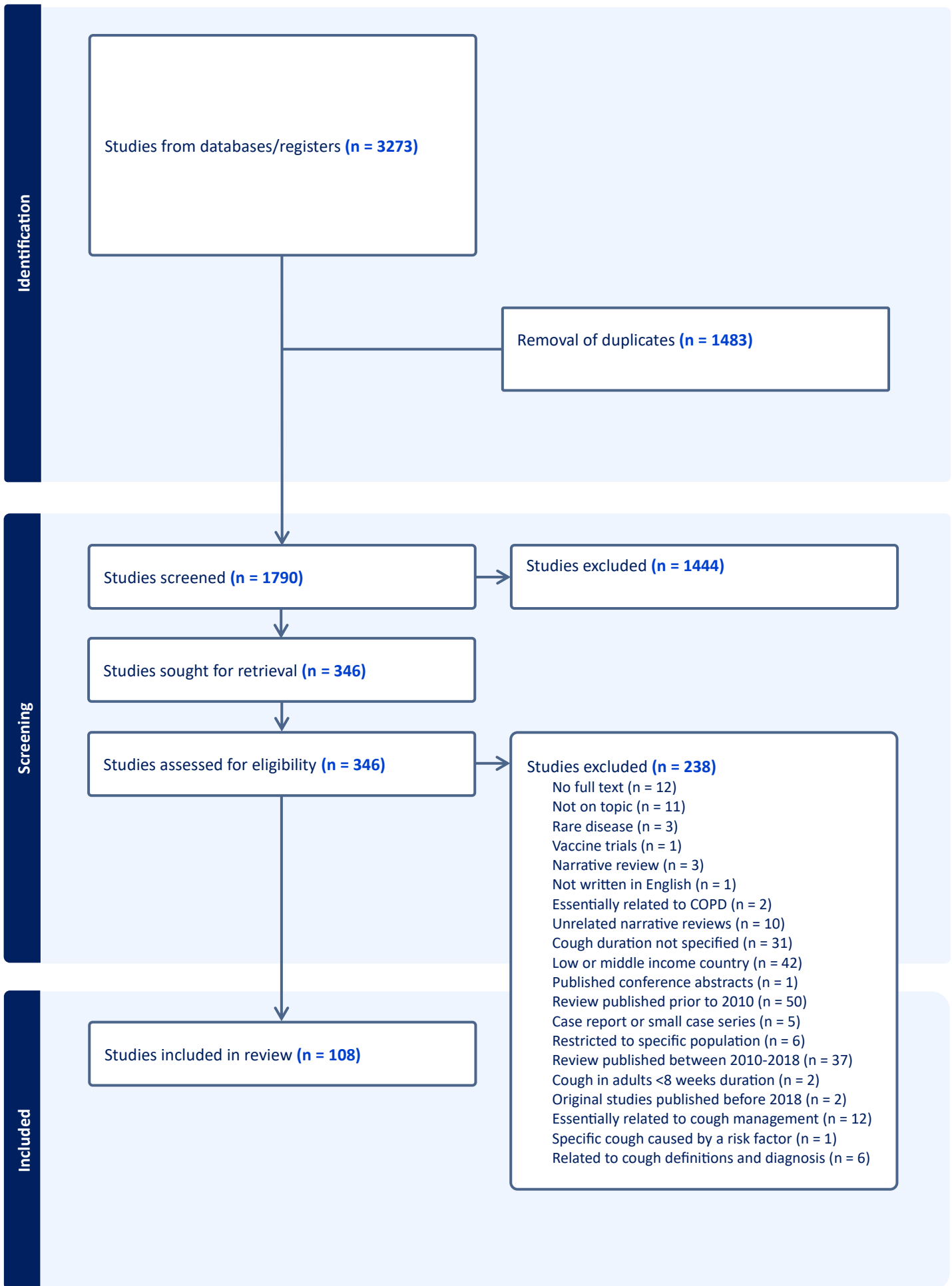


Figure 2 shows the PRISMA flow chart for overview of chronic cough risk factors.

Figure 2: Risk factor PRISMA flow chart



The database searches and search terms for overview of chronic cough, prevalence and risk factors, are shown in **Table 2**.

**Table 2: Search strategy for overview of chronic cough**

Overview of chronic cough search terms – prevalence and risk factors	Citations
<b>Medline via OVID</b>	
Cough/ or (chronic adj2 cough*).ti,ab. or Bronchitis, Chronic/ or (chronic adj2 bronchitis).ti,ab.	29866
Systematic Review/ or Meta-analysis/ or exp Guideline/ or (systematic or meta-analysis or guideline or workshop or statement or taskforce or task force or position).ti.	428861
Prevalence/ or prevalen*.ti,ab. or Incidence/ or incidenc*.ti,ab.	1711179
1 and 3	4148
limit 4 to (english and last 11 years)	1556
2 and 5	100
limit 5 to last 6 years	920
Risk/ or risk*.mp. or exposure*.mp. or (aetiolog* or etiology*).mp. or cause*.mp. or predict*.ti,ab	948,192
1 and 8	15865
2 and 9	415
limit 9 to (english and last 3 years)	<b>1950</b>
<b>PUBMED</b>	
("Cough"[Mesh] AND chronic) OR chronic cough*[tiab] OR ("Bronchitis"[Mesh] AND chronic) OR (chronic, bronchitis*[TIAB]) (22,138)	22,138
"systematic review"[Publication Type] OR "systematic reviews as topic"[MeSH Terms] OR "guideline"[Publication Type] OR "guidelines as topic"[MeSH Terms] OR "advisory committees"[MeSH Terms] OR systematic review*[tiab] OR guideline*[tiab] OR statement[tiab] OR taskforce[tiab] OR task force[tiab] OR meta-analysis[tiab]	843,396
"Prevalence"[Mesh] OR "Incidence"[Mesh] OR prevalen*[tiab] OR incidenc*[tiab]	1,713,779
1 AND 3	3,123
4 AND (English[lang]) AND (2010:2021 [pdat])	1,027
2 AND 5	101

Overview of chronic cough search terms – prevalence and risk factors	Citations
5 AND (2015:2021 [pdat])	594
"risk"[MeSH Terms] OR "etiology"[Subheading] OR "risk*" [tiab] OR "exposure*" [tiab] OR "aetiology*" [tiab] OR "etiology*" [tiab] OR "cause*" [tiab] OR "predict*" [tiab]	13,346,499
1 AND 8	14,269
2 AND 9	660
9 AND (English [lang]) AND (2019:2021 [pdat])	870
<b>Cochrane library</b>	
MeSH descriptor: [Cough] explode all trees	1368
cough:ti,ab,kw	9717
chronic cough:ti,ab,kw	2242
MeSH descriptor: [Bronchitis] explode all trees	1857
MeSH descriptor: [Bronchitis, Chronic] explode all trees	173
chronic bronchitis:ti,ab,kw (Word variations have been searched)	2493
#1 OR #2 OR #3 OR #4 OR #5 OR #6	12676
(systematic review OR guideline):pt (Word variations have been searched)	103
MeSH descriptor: [Systematic Reviews as Topic] explode all trees	29
MeSH descriptor: [Guidelines as Topic] explode all trees	1924
MeSH descriptor: [Advisory Committees] explode all trees	19
(systematic review* OR guideline* OR statement OR taskforce OR task force OR meta-analysis OR metaanalysis):ti,ab,kw (Word variations have been searched)	73537
#8 OR #9 OR #10 OR #11 OR #12	73564
MeSH descriptor: [Prevalence] explode all trees	4680
MeSH descriptor: [Incidence] explode all trees	10216
(prevalent* OR incidence*):ti,ab,kw	133592

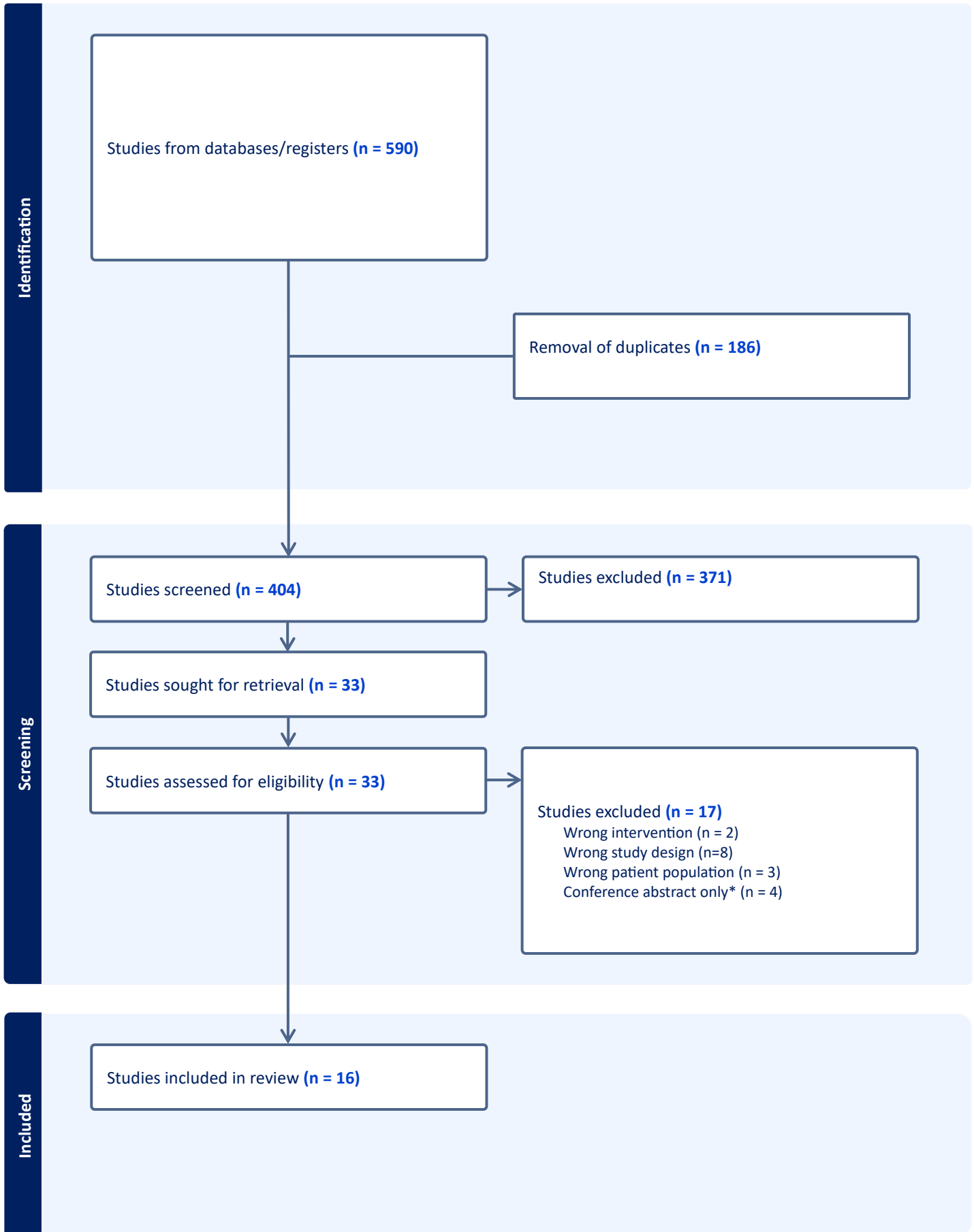
Overview of chronic cough search terms – prevalence and risk factors	Citations
#14 OR #15 OR #16	137228
MeSH descriptor: [Risk] explode all trees	37844
(risk* OR exposure* OR aetiology* OR etiology* OR cause* OR predict*):ti,ab,kw (Word variations have been searched)	489077
#18 OR #19	490858
#7 AND #17	1921
#21 (English) with Cochrane Library publication date Between May 2010 and May 2021	766
#13 AND #22	53
#22 with Cochrane Library publication date Between May 2015 and May 2021	541
#7 AND #20	4371
#13 AND #25	508
#25 (English) with Cochrane Library publication date Between May 2019 and May 2021	<b>433</b>
<b>EMBASE</b>	
(('cough'/exp AND chronic:ti,ab OR chronic) AND cough*:ti,ab OR 'bronchitis'/exp OR 'chronic, bronchitis'/exp OR chronic) AND bronchitis*:ti,ab	25,433
(('systematic review'/exp OR 'systematic review (topic)'/exp OR 'guideline'/exp OR 'practice guideline'/exp OR 'advisory committee'/exp OR systematic) AND review*:ti,ab OR guideline*:ti,ab OR statement:ti,ab OR taskforce:ti,ab OR task) AND force:ti,ab OR metanalysis:ti,ab OR 'meta analysis':ti,ab	261,876
'prevalence'/exp OR 'incidence'/exp prevalen*:ti,ab OR incidence*:ti,ab	1,736,117
#1 AND #3	2809
#4 AND (2010:py OR 2011:py OR 2012:py OR 2013:py OR 2014:py OR 2015:py OR 2016:py OR 2017:py OR 2018:py OR 2019:py OR 2020:py OR 2021:py) AND [english]/lim	1323
#5 AND #2	29
#5 AND (2015:py OR 2016:py OR 2017:py OR 2018:py OR 2019:py OR 2020:py OR 2021:py) AND [english]/lim	698
'risk'/exp OR 'exposure'/exp OR 'etiology'/exp risk*:ti,ab OR exposure*:ti,ab OR aetiology*:ti,ab OR etiology*:ti,ab OR cause*:ti,ab OR predict*:ti,ab	7,679,562
#1 AND #8	8,661

Overview of chronic cough search terms – prevalence and risk factors	Citations
#2 AND #9	90
#9 AND (2019:py OR 2020:py OR 2021:py) AND [english]/lim	842



Figure 3 shows the PRISMA flow chart for the role of the multidisciplinary team.

Figure 3: Role of the multidisciplinary team PRISMA flow chart



\*Conference abstract only – not peer reviewed

**Table 3** shows search terms for the role of the multidisciplinary team

**Table 3: Role of multidisciplinary team in diagnosis and management search terms**

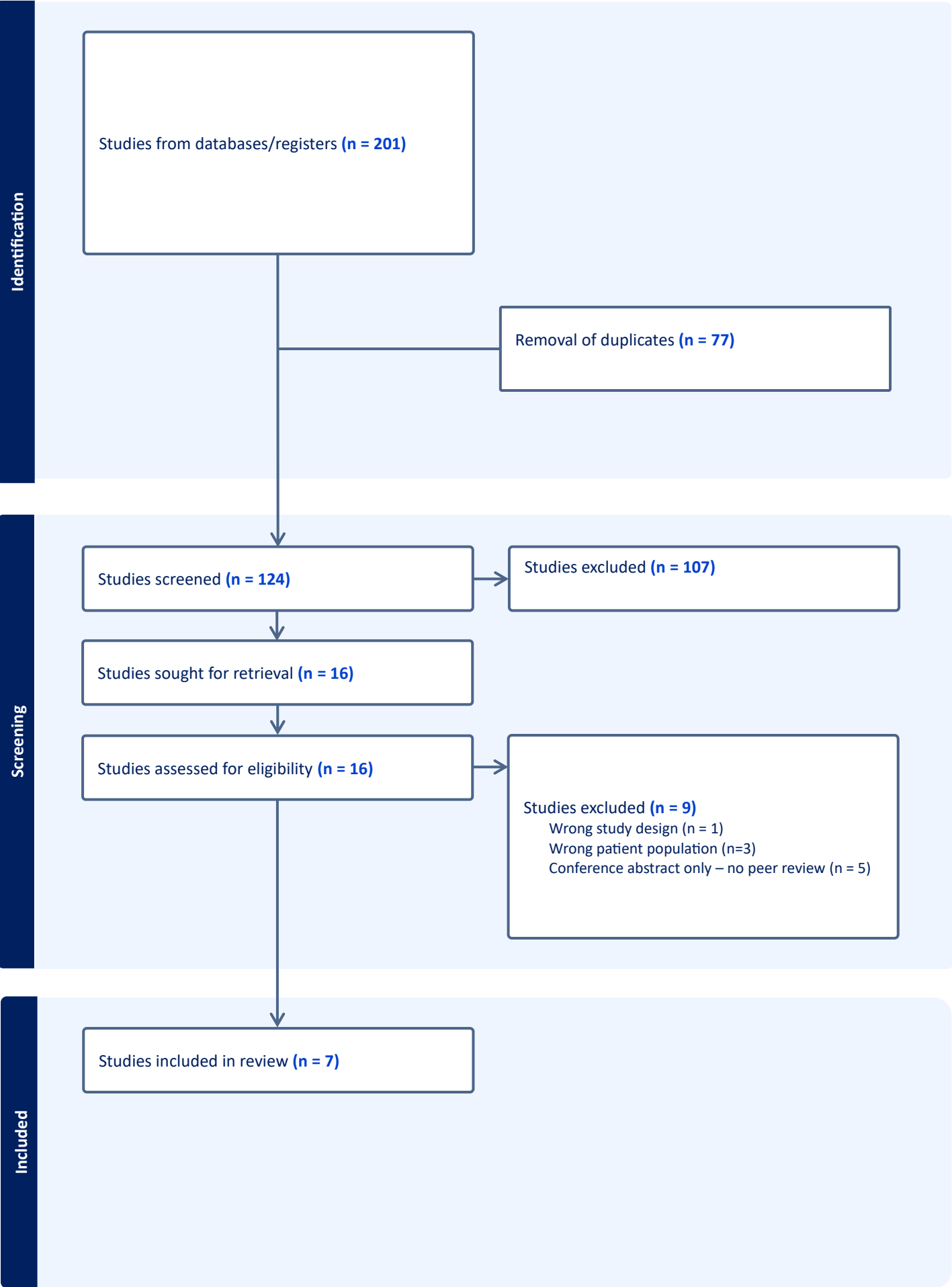
Role of multidisciplinary team in diagnosis and management search terms	
<b>MEDLINE via OVID</b>	
(exp cough/ or cough*.mp.) and (chronic or idiopathic or refractory or unresponsive or intractable or psychogenic or unresolved or unexplained or persistent or longstanding or 'long standing' or longterm or 'long term' or uncontrolled or 'poorly controlled' or lingering or nagging or resistant).ti,ab,kw	16,545
(diagnosis* or assessment* or management*).ti,ab,kw.	3,569,845
1 and 2	6336
(inter-disciplinary or interdisciplinary).ti,ab,kw	39,926
(multidisciplinary or multi-disciplinary).ti,ab,kw	100,180
exp Patient Care Team/	70,199
team*.mp	228,604
health care team*.mp.	4890
medical care team*.mp.	134
integrated care team*.mp.	60
shared care team*.mp.	8
4 or 5 or 6 or 7 or 8	320,365
3 and 12	185
<b>limit 14 to (english and yr="2010-2021")</b>	<b>138</b>
<b>PUBMED</b>	
('cough'[Mesh] OR 'coughing' OR cough[tiab] OR coughing[tiab] OR coughs[tiab]) AND (chronic[tiab] OR persistent[tiab] OR longstanding[tiab] OR 'long standing'[tiab] OR longterm[tiab] OR 'long term'[tiab] OR uncontrolled[tiab] OR 'poorly controlled'[tiab] OR lingering[tiab] OR nagging[tiab] OR resistant[tiab] OR refractory[tiab] OR unexplained[tiab] OR idiopathic[tiab] OR frequent[tiab] OR psychogenic[tiab] OR unresponsive[tiab] OR intractable[tiab] OR unresolved[tiab])	18,683
diagnosis*[tiab] OR management*[tiab] OR assessment*[tiab]	3,630,635
#1 AND #2	7,179

Role of multidisciplinary team in diagnosis and management search terms	
'inter-disciplinary'[tiab] OR interdisciplinary[tiab] OR multidisciplinary[tiab] or 'multi-disciplinary'[tiab]	139,314
'patient care team'[Mesh] OR team* OR 'health care team'* OR 'medical care team'* OR 'integrated care team'* OR 'shared care team'*	280,478
('inter-disciplinary'[tiab] OR interdisciplinary[tiab] OR multidisciplinary[tiab] or 'multi-disciplinary'[tiab]) OR ('patient care team'[Mesh] OR team* OR 'health care team'* OR 'medical care team'* OR 'integrated care team'* OR 'shared care team'*)	372,812
(#1 AND #2) AND (('inter-disciplinary'[tiab] OR interdisciplinary[tiab] OR multidisciplinary[tiab] or 'multi-disciplinary'[tiab]) OR ('patient care team'[Mesh] OR team* OR 'health care team'* OR 'medical care team'* OR 'integrated care team'* OR 'shared care team'*))	242
<b>(#1 AND #2) AND (('inter-disciplinary'[tiab] OR interdisciplinary[tiab] OR multidisciplinary[tiab] or 'multi-disciplinary'[tiab]) OR ('patient care team'[Mesh] OR team* OR 'health care team'* OR 'medical care team'* OR 'integrated care team'* OR 'shared care team'*)) AND English[lang] AND (2010:2021[pdat])</b>	<b>185</b>
<b>Cochrane</b>	
MeSH descriptor: [Cough] explode all trees	1368
cough*	15924
#1 or #2	15924
(chronic:ti,ab,kw OR persistent:ti,ab,kw OR longstanding:ti,ab,kw OR long-standing:ti,ab,kw OR longterm:ti,ab,kw OR long-term:ti,ab,kw OR uncontrolled:ti,ab,kw OR "poorly controlled":ti,ab,kw OR lingering:ti,ab,kw OR nagging:ti,ab,kw OR resistant:ti,ab,kw OR refractory:ti,ab,kw OR unexplained:ti,ab,kw OR idiopathic:ti,ab,kw OR frequent:ti,ab,kw, OR unresponsive:ti,ab,kw OR intractable:ti,ab,kw OR psychogenic:ti,ab,kw OR unresolved:ti,ab,kw)	331156
#3 AND #4	5235
(diagnosis* or assessment* or management*)	475022
(interdisciplinary* or inter-disciplinary*)	2935
(multi-disciplinary* or multidisciplinary*)	7872
team*	32189
#9 AND (#7 or #8)	3980
MeSH descriptor: [Patient Care Team] explode all trees	1744
'health care team'*	12875
'integrated care team'*	1546

Role of multidisciplinary team in diagnosis and management search terms	
'medical care team'	8992
'shared care team'	1162
(#11 or #12 or #13 or #14 or #15)	15288
#10 OR #16	16460
#17 AND #5	271
#18 AND #6	258
<b>#19 (english) with Cochrane Library publication date Between May 2010 and Apr 2021</b>	<b>85</b>
<b>EMBASE</b>	
('cough'/exp OR cough:ti,ab) AND ('chronic cough' OR 'chronic adj2 cough' OR 'persistent cough')	10123
diagnosis* OR assessment* OR management*	10309952
#1 AND #2	6554
'interdisciplinary care' OR 'interdisciplinary team' OR interdisciplinary*	150586
'multidisciplinary care' OR 'multidisciplinary team' OR multidisciplinary*	181112
'health care team' OR 'integrated care team' OR 'medical care team' OR 'shared care team' OR 'patient care team'	6297
team*	362870
#4 OR #5 OR #6 OR #7	612390
#3 AND #8	211
#9 AND [english]/lim	200
<b>#10 AND (2010:py OR 2011:py OR 2012:py OR 2013:py OR 2014:py OR 2015:py OR 2016:py OR 2017:py OR 2018:py OR 2019:py OR 2020:py OR 2021:py)</b>	<b>182</b>

Figure 4 shows the PRISMA flow chart for the culturally safe approach for priority populations.

Figure 4: Culturally safe approach for priority populations PRISMA flow chart



The culturally safe approach to diagnosis and assessment for priority populations are shown in **Table 4**.

**Table 4: Culturally safe approach for priority populations search terms**

Culturally safe approach for priority populations search terms	
<b>Medline via OVID</b>	
(exp coughing/ or exp cough/ or 'coughing'.mp. or cough.ti,ab,kw. or coughing.ti,ab,kw. or coughs.ti,ab,kw.) and (chronic or idiopathic or refractory or unresponsive or intractable or psychogenic or unresolved or unexplained or persistent or longstanding or 'long standing' or longterm or 'long term' or uncontrolled or 'poorly controlled' or lingering or nagging or resistant).ti,ab,kw. [mp=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]	16,267
(diagnosis* or assessment* or management*).ti,ab,kw.	3,569,845
(exp culture/ or culture*.ti,ab,kw.) and (competence* or diverse* or safety* or respect or responsiveness or understanding or expertise or knowledge or skill*).ti,ab,kw.	140,497
exp cultural competency/	5,896
3 or 4	143,264
exp cross cultural care/	1,734
(transcultural* or multicultural* or multi-cultural* or cross-cultur*).ti,ab,kw.	20,592
5 or 6 or 7	160,619
(Indigen* or Aborigin* or 'First Nation'* or Native* or 'Torres Strait Islander').ti,ab,kw.	276,316
exp oceanic ancestry group/	10,823
9 or 10	279,916
8 or 11	433,936
1 and 12	210
2 and 13	93
<b>limit 14 to (english and yr="2010-2021")</b>	<b>61</b>
<b>PUBMED</b>	
('cough'[Mesh] OR 'coughing' OR cough[tiab] OR coughing[tiab] OR coughs[tiab]) AND (chronic[tiab] OR persistent[tiab] OR longstanding[tiab] OR 'long standing'[tiab] OR longterm[tiab] OR 'long term'[tiab] OR uncontrolled[tiab] OR 'poorly controlled'[tiab] OR lingering[tiab] OR nagging[tiab] OR resistant[tiab] OR	18,675

refractory[tiab] OR unexplained[tiab] OR idiopathic[tiab] OR frequent[tiab] OR psychogenic[tiab] OR unresponsive[tiab] OR intractable[tiab] OR unresolved[tiab])	
diagnosis*[tiab] OR management*[tiab] OR assessment*[tiab]	3,628,201
cross cultural care'[Mesh] or transcultural[tiab] OR multicultural[tiab] OR "multi-cultural"[tiab] OR crosscultural[tiab] OR "cross-cultural"[tiab]	19,579
('culture'[Mesh] or culture*[tiab]) AND (competence*[tiab] OR diverse*[tiab] OR safety*[tiab] OR respect[tiab] OR responsiveness[tiab] OR understanding[tiab] OR expertise[tiab] OR knowledge[tiab] OR skill*[tiab])	141,870
cultural competency'[Mesh]	5,895
3 or 4 or 5	159,938
oceanic ancestry group'[Mesh] OR indigenous*[tiab] OR aboriginal*[tiab] OR 'first nation'*[tiab] OR native*[tiab] OR 'torres strait islander'[tiab]	276,905
6 or 7	430,456
1 and 8	229
9 and 2	103
<b>10 and English[lang]) AND (2010:2021[pdat])</b>	<b>68</b>
<b>Cochrane Library</b>	
MeSH descriptor: [Cough] explode all trees	1368
cough*:ti,ab,kw AND (chronic:ti,ab,kw OR persistent:ti,ab,kw OR longstanding:ti,ab,kw OR long-standing:ti,ab,kw OR longterm:ti,ab,kw OR long-term:ti,ab,kw OR uncontrolled:ti,ab,kw OR "poorly controlled":ti,ab,kw OR lingering:ti,ab,kw OR nagging:ti,ab,kw OR resistant:ti,ab,kw OR refractory:ti,ab,kw OR unexplained:ti,ab,kw OR idiopathic:ti,ab,kw OR frequent:ti,ab,kw, OR unresponsive:ti,ab,kw OR intractable:ti,ab,kw OR psychogenic:ti,ab,kw OR unresolved:ti,ab,kw)	4773
#1 or #2	5699
diagnosis*:ti,ab,kw or assessment*:ti,ab,kw or management*:ti,ab,kw	458,694
transcultural:ti,ab,kw OR trans-cultural:ti,ab,kw OR multicultural:ti,ab,kw OR multi-cultural:ti,ab,kw OR cross-cultural:ti,ab,kw or crosscultural:ti,ab,kw	660
MeSH descriptor: [Culturally Competent Care] explode all trees	100
MeSH descriptor: [Culture] explode all trees	2898
(#6 OR culture*:ti,ab,kw) AND (competence*:ti,ab,kw OR diverse*:ti,ab,kw OR safety*:ti,ab,kw OR respect:ti,ab,kw OR responsiveness:ti,ab,kw OR understanding:ti,ab,kw OR expertise:ti,ab,kw OR knowledge:ti,ab,kw OR expertise:ti,ab,kw OR skill*:ti,ab,kw)	6167

MeSH descriptor: [Cultural Competency] explode all trees	181
5 or 6 or 7 or 8 or 9	8656
Indigenous*:ti,ab,kw OR Aboriginal*:ti,ab,kw OR "First Nation*":ti,ab,kw or Native*:ti,ab,kw OR "Torres Strait Islander":ti,ab,kw	5065
MeSH descriptor: [Oceanic Ancestry Group] explode all trees	173
#11 OR #12	5104
#10 or #13	13,616
#14 AND #3	95
#15 AND #4	52
<b>#16 (English) with Cochrane Library publication date Between May 2010 and May 2021</b>	<b>29</b>
<b>EMBASE</b>	
('cough'/exp OR cough:ti,ab) AND ('chronic cough' OR 'chronic adj2 cough' OR 'persistent cough')	10123
diagnosis* OR assessment* OR management*	10309952
#1 AND #2	6554
transcultural:ti,ab OR multicultural:ti,ab OR 'multi cultural':ti,ab	7044
'culture'/exp AND (competence* OR diverse* OR appropriate* OR safety OR respect OR responsiveness OR sensitive* OR understanding OR knowledge OR expertise OR skill*) OR 'cultural competency'/exp	22256
'oceanic ancestry group'/exp OR indigenous* OR aboriginal* OR 'first nation*' OR native* OR 'torres strait islander'	332096
#4 OR #5 OR #6	358119
#3 AND #7	58
#8 AND [english]/lim	56
<b>#9 AND (2010:py OR 2011:py OR 2012:py OR 2013:py OR 2014:py OR 2015:py OR 2016:py OR 2017:py OR 2018:py OR 2019:py OR 2020:py OR 2021:py)</b>	<b>43</b>



# Chronic cough in children

Figure 5 shows the PRISMA flow chart for the role of the multidisciplinary team.

Figure 5: Chronic cough in children PRISMA flow chart

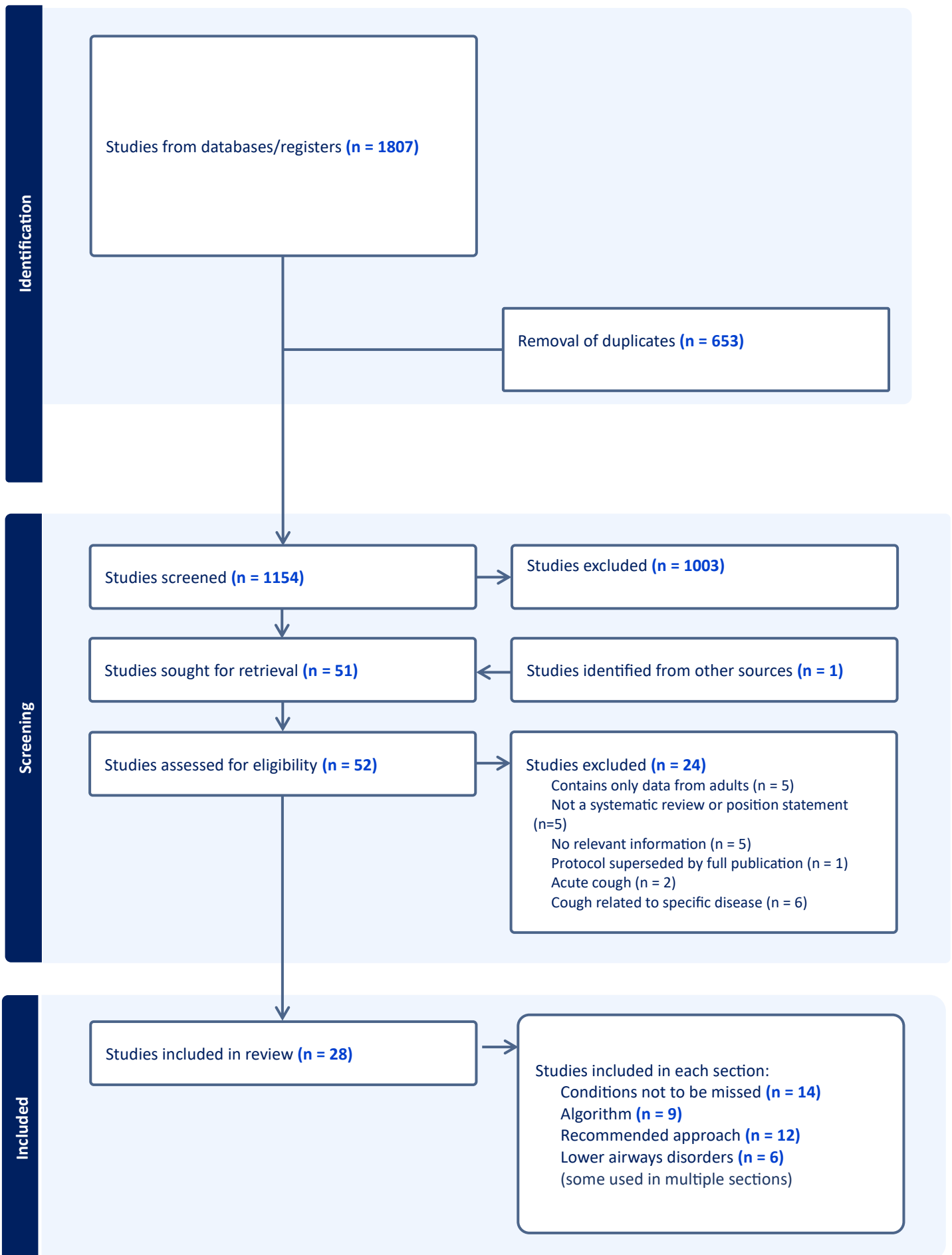


Table 5 shows chronic cough in children search terms.

Table 5: Chronic cough in children search terms

Chronic cough in children search terms	
<b>Medline via OVID</b>	
exp cough/di	1717
exp cough/et	5890
(exp cough/ or cough*.mp.) and (chronic or idiopathic or refractory or unresponsive or intractable or psychogenic or unresolved or unexplained or persistent or longstanding or 'long standing' or longterm or 'long term' or uncontrolled or 'poorly controlled' or lingering or nagging or resistant).ti,ab,kw.	16545
1 or 2 or 3	20789
exp infant/ or exp child/ or exp adolescent/ or exp preschool child/ or exp newborn/ or child*.ti,ab. or children*.ti,ab. or infant*.ti,ab. or preschool*.ti,ab. or adolescent*.ti,ab.	4,147,891
exp clinical trial/ or exp randomization/ or exp randomized controlled trial/ or exp controlled clinical trial/ or trial.ti. or exp systematic review/ or systematic review.sh. or exp guideline/ or exp practice guideline/ or exp advisory committee/ or Controlled trial*.ti,ab. or Random*.ti,ab. or systematic review*.ti,ab. or guideline*.ti,ab. or statement.ti,ab. or taskforce.ti,ab. or task force.ti,ab. or metaanalysis.ti,ab. or meta-analysis.ti,ab.	2,385,934
4 and 5 and 6	1053
limit 7 to English	955
<b>limit 8 to yr="2010-2021"</b>	<b>470</b>
<b>PUBMED</b>	
("Cough/diagnosis"[Mesh] OR "Cough/etiology"[Mesh] or cough* or coughing* or coughs*) AND (chronic[tiab] or idiopathic[tiab] or refractory[tiab] or unresponsive[tiab] or intractable[tiab] or psychogenic[tiab] or unresolved[tiab] or unexplained[tiab] or persistent[tiab] or longstanding[tiab] or 'long standing'[tiab] or longterm[tiab] or 'long term'[tiab] or uncontrolled[tiab] or 'poorly controlled'[tiab] or lingering[tiab] or nagging[tiab] or resistant[tiab])	17,206
"Infant"[Mesh] OR "Child"[Mesh] OR "Adolescent"[Mesh] OR "Child, Preschool"[Mesh] OR "Infant, Newborn"[Mesh] OR child*[tiab] OR children*[tiab] OR infant*[tiab] OR preschool*[tiab] OR adolescent*[tiab]	4,156,155
"clinical trials as topic"[MeSH Terms] OR "random allocation"[MeSH Terms] OR "randomized controlled trial"[pt] OR "controlled clinical trial"[pt] OR trial [ti] OR "systematic review"[Publication Type] OR "systematic reviews as topic"[MeSH Terms] OR "guideline"[Publication Type] OR "guidelines as topic"[MeSH Terms] OR "advisory committees"[MeSH Terms] OR Controlled trial*[tiab] OR Random*[tiab] OR systematic review*[tiab] OR guideline*[tiab] OR statement[tiab] OR taskforce[tiab] OR task force[tiab] OR metaanalysis[tiab] OR meta-analysis[tiab]	2,422,750
1 AND 2 AND 3 AND 4	847

## Chronic cough in children search terms

4 AND (English[lang])	776
<b>5 AND (2010:2021[pdat])</b>	<b>419</b>
<b>Cochrane</b>	
MeSH descriptor: [Cough] explode all trees	1368
MeSH descriptor: [Cough] explode all trees and with qualifier(s): [diagnosis - DI]	54
MeSH descriptor: [Cough] explode all trees and with qualifier(s): [etiology - ET]	336
cough*	15924
(chronic:ti,ab,kw OR persistent:ti,ab,kw OR longstanding:ti,ab,kw OR long-standing:ti,ab,kw OR longterm:ti,ab,kw OR long-term:ti,ab,kw OR uncontrolled:ti,ab,kw OR "poorly controlled":ti,ab,kw OR lingering:ti,ab,kw OR nagging:ti,ab,kw OR resistant:ti,ab,kw OR refractory:ti,ab,kw OR unexplained:ti,ab,kw OR idiopathic:ti,ab,kw OR frequent:ti,ab,kw, OR unresponsive:ti,ab,kw OR intractable:ti,ab,kw OR psychogenic:ti,ab,kw OR unresolved:ti,ab,kw)	331156
#1 OR #4	15924
#6 AND #5	5235
#2 OR #3 OR #7	5484
MeSH descriptor: [Infant] explode all trees	32816
MeSH descriptor: [Child] explode all trees	57420
MeSH descriptor: [Adolescent] explode all trees	105819
MeSH descriptor: [Infant, Newborn] explode all trees	16362
MeSH descriptor: [Child, Preschool] explode all trees	30102
(child* or children* or infant* or preschool* or adolescent*):ti,ab,kw	194665
#9 or #10 or #11 or #12 or #13 or #14	268275
(systematic review* OR guideline* OR statement OR taskforce OR task force OR meta-analysis OR metaanalysis):ti,ab,kw	71099
randomized controlled trial:pt OR controlled clinical trial:pt OR trial:ti OR systematic review:pt OR guideline:pt	801643
MeSH descriptor: [Random Allocation] explode all trees	20628

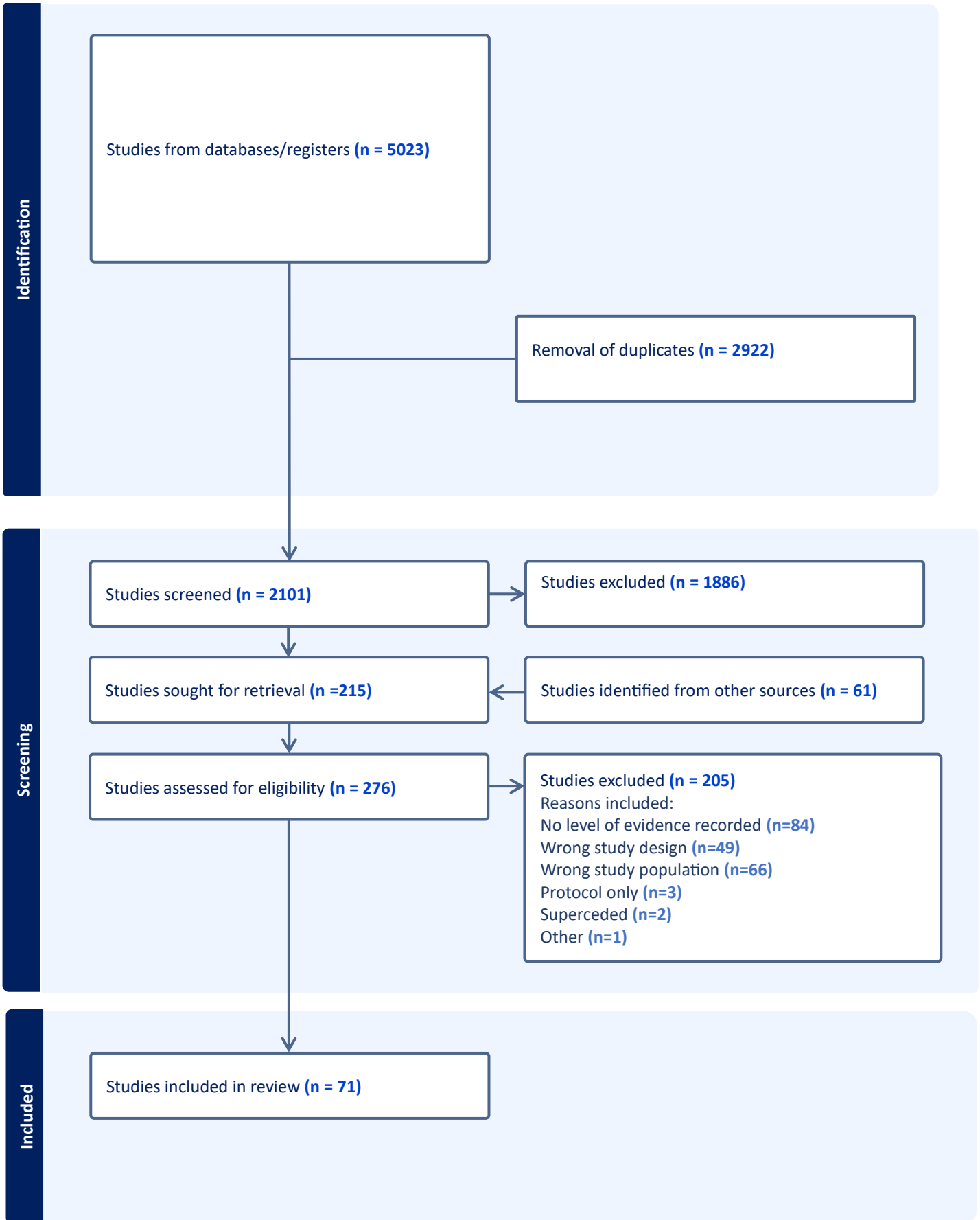
## Chronic cough in children search terms

MeSH descriptor: [Systematic Reviews as Topic] explode all trees	29
MeSH descriptor: [Guidelines as Topic] explode all trees	1924
MeSH descriptor: [Advisory Committees] explode all trees	19
#16 or #17 or #18 or #19 or #20 or #21	847751
#8 AND #15 AND #22	865
<b>#23 (english) with Cochrane Library publication date Between May 2010 and May 2021</b>	<b>336</b>
<b>EMBASE</b>	
('cough'/exp AND ('diagnosis'/lnk OR 'etiology'/lnk) OR 'cough'/exp OR cough* OR coughing* OR coughs*) AND (chronic* OR persistent*)	37953
'infant'/exp OR 'child'/exp OR 'adolescent'/exp OR 'child, preschool'/exp OR 'infant, newborn'/exp OR child*:ti,ab OR children*:ti,ab OR infant*:ti,ab OR preschool*:ti,ab OR adolescent*:ti,ab	4483355
('clinical trials as topic'/exp OR 'random allocation'/exp OR 'randomized controlled trial':pt OR 'controlled clinical trial':pt OR trial:ti OR 'systematic review':pt OR 'systematic reviews as topic'/exp OR 'guideline':pt OR 'guidelines as topic'/exp OR 'advisory committees'/exp OR 'controlled trial*':ti,ab OR random*:ti,ab OR systematic) AND review*:ti,ab OR guideline*:ti,ab OR statement:ti,ab OR taskforce:ti,ab OR 'task force':ti,ab OR metaanalysis:ti,ab OR 'meta analysis':ti,ab	1285831
#1 AND #2 AND #3	794
#4 AND [english]/lim	746
<b>#5 AND (2010:py OR 2011:py OR 2012:py OR 2013:py OR 2014:py OR 2015:py OR 2016:py OR 2017:py OR 2018:py OR 2019:py OR 2020:py OR 2021:py)</b>	<b>582</b>

# Chronic cough in adults

Figure 6 shows the PRISMA flow chart for chronic cough in adults.

Figure 6: Chronic cough in adults PRISMA flow chart



\*more recent guideline/ updated r/v available

Chronic cough in adult search terms are shown in **Table 6**.

**Table 6: Chronic cough in adult search terms**

Chronic cough in adult search terms	
<b>Medline via OVID</b>	
exp cough/di	1717
exp cough/et	5890
(exp cough/ or cough*.mp.) and (chronic or idiopathic or refractory or unresponsive or intractable or psychogenic or unresolved or unexplained or persistent or longstanding or 'long standing' or longterm or 'long term' or uncontrolled or 'poorly controlled' or lingering or nagging or resistant).ti,ab,kw.	16545
exp hypersensitivity/ and cough*.mp	5529
(exp cough/ or cough*.mp.) and (upper airway syndrome* or post nasal drip syndrome* or reflux* or lntrogenic* or intermittent laryngeal obstruction*).	1974
exp hypersensitivity/ and laryngeal*.mp	1140
1-6/ or	25,063
exp clinical trial/ or exp randomization/ or exp randomized controlled trial/ or exp controlled clinical trial/ or trial.ti. or exp systematic review/ or systematic review.sh. or exp guideline/ or exp practice guideline/ or exp advisory committee/ or Controlled trial*.ti,ab. or Random*.ti,ab. or systematic review*.ti,ab. or guideline*.ti,ab. or statement.ti,ab. or taskforce.ti,ab. or task force.ti,ab. or metanalysis.ti,ab. or meta-analysis.ti,ab.	2,385,934
7 and 8	3841
exp adults/ or exp adolescents/	8,104,425
9 and 10	2356
Limit 11 to English	2118
<b>Limit 12 to yr="2010-2021"</b>	<b>970</b>
<b>PUBMED</b>	
("Cough/diagnosis"[Mesh] OR "Cough/etiology"[Mesh] or cough* or coughing* or coughs*) AND (chronic[tiab] or idiopathic[tiab] or refractory[tiab] or unresponsive[tiab] or intractable[tiab] or psychogenic[tiab] or unresolved[tiab] or unexplained[tiab] or persistent[tiab] or longstanding[tiab] or 'long standing'[tiab] or longterm[tiab] or 'long term'[tiab] or uncontrolled[tiab] or 'poorly controlled'[tiab] or lingering[tiab] or nagging[tiab] or resistant[tiab])	17,206
hypersensitivity'[Mesh] AND cough*	5,590

## Chronic cough in adult search terms

('cough'[Mesh] or cough*) AND ('upper airway syndrome'*[tiab] OR 'post nasal drip syndrome'*[tiab] or reflux*[tiab] or latorogenic*[tiab] or 'intermittent laryngeal obstruction'*[tiab])	1797
hypersensitivity'[Mesh] AND laryngeal*	1140
1-4/ OR	22,148
"clinical trials as topic"[MeSH Terms] OR "random allocation"[MeSH Terms] OR "randomized controlled trial"[pt] OR "controlled clinical trial"[pt] OR trial [ti] OR "systematic review"[Publication Type] OR "systematic reviews as topic"[MeSH Terms] OR "guideline"[Publication Type] OR "guidelines as topic"[MeSH Terms] OR "advisory committees"[MeSH Terms] OR Controlled trial*[tiab] OR Random*[tiab] OR systematic review*[tiab] OR guideline*[tiab] OR statement[tiab] OR taskforce[tiab] OR task force[tiab] OR metaanalysis[tiab] OR meta-analysis[tiab]	2,422,750
5 AND 6	3468
"Infant"[Mesh] OR "Child"[Mesh] OR "Child, Preschool"[Mesh] OR "Infant, Newborn"[Mesh] OR child*[tiab] OR children*[tiab] OR infant*[tiab] OR preschool*[tiab]	3,054,419
7 NOT 8	2493
9 AND (English[lang])	2261
<b>10 AND (2010:2021[pdatf])</b>	<b>1245</b>
<b>Cochrane</b>	
MeSH descriptor: [Cough] explode all trees	1368
MeSH descriptor: [Cough] explode all trees and with qualifier(s): [diagnosis - DI]	54
MeSH descriptor: [Cough] explode all trees and with qualifier(s): [etiology - ET]	336
cough*	15,924
(chronic:ti,ab,kw OR persistent:ti,ab,kw OR longstanding:ti,ab,kw OR long-standing:ti,ab,kw OR longterm:ti,ab,kw OR long-term:ti,ab,kw OR uncontrolled:ti,ab,kw OR "poorly controlled":ti,ab,kw OR lingering:ti,ab,kw OR nagging:ti,ab,kw OR resistant:ti,ab,kw OR refractory:ti,ab,kw OR unexplained:ti,ab,kw OR idiopathic:ti,ab,kw OR frequent:ti,ab,kw, OR unresponsive:ti,ab,kw OR intractable:ti,ab,kw OR psychogenic:ti,ab,kw OR unresolved:ti,ab,kw)	331,156
#1 OR #4	15,924
#6 AND #5	5235
#2 OR #3 OR #7	5484
MeSH descriptor: [Hypersensitivity] explode all trees	21,166

## Chronic cough in adult search terms

#4 AND #9	730
#9 AND laryngeal*	41
#6 AND ('upper airway syndrome*' OR 'post nasal drip syndrome*' or reflux* or iatrogenic* or 'intermittent laryngeal obstruction*');ti,ab,kw	421
#8 OR #10 OR #11 OR #12	6057
MeSH descriptor: [Infant] explode all trees	32,816
MeSH descriptor: [Child] explode all trees	57,420
MeSH descriptor: [Adolescent] explode all trees	105,819
MeSH descriptor: [Infant, Newborn] explode all trees	16,362
MeSH descriptor: [Child, Preschool] explode all trees	30,102
(child* or children* or infant* or preschool* or adolescent*);ti,ab,kw	194,665
#14 or #15 or #16 or #17 or #18 or #19	268,275
(systematic review* OR guideline* OR statement OR taskforce OR task force OR meta-analysis OR metaanalysis);ti,ab,kw	71,099
randomized controlled trial:pt OR controlled clinical trial:pt OR trial:ti OR systematic review:pt OR guideline:pt	801,643
MeSH descriptor: [Random Allocation] explode all trees	20,628
MeSH descriptor: [Systematic Reviews as Topic] explode all trees	29
MeSH descriptor: [Guidelines as Topic] explode all trees	1924
MeSH descriptor: [Advisory Committees] explode all trees	19
#21 or #22 or #23 or #24 or #25 or #26	847,751
#13 AND #27	3353
#28 NOT #20	2244
<b>#29 (english) with Cochrane Library publication date Between May 2010 and May 2021</b>	<b>1132</b>
<b>EMBASE</b>	



## Chronic cough in adult search terms

('cough'/exp AND ('diagnosis'/lnk OR 'etiology'/lnk) OR 'cough'/exp) AND (chronic:ti,ab OR persistent:ti,ab)	25,080
('clinical trials as topic'/exp OR 'random allocation'/exp OR 'randomized controlled trial':pt OR 'controlled clinical trial':pt OR trial:ti OR 'systematic review':pt OR 'systematic reviews as topic'/exp OR 'guideline':pt OR 'guidelines as topic'/exp OR 'advisory committees'/exp OR 'controlled trial*':ti,ab OR random*':ti,ab OR systematic) AND review*':ti,ab OR guideline*':ti,ab OR statement:ti,ab OR taskforce:ti,ab OR 'task force':ti,ab OR metaanalysis:ti,ab OR 'meta analysis':ti,ab	1,285,831
'hypersensitivity'/exp AND cough:ti,ab	13,265
'hypersensitivity'/exp AND laryngeal:ti,ab	1645
'cough'/exp AND ('upper airway syndrome':ti,ab OR 'post nasal drip syndrome':ti,ab OR reflux*':ti,ab OR laryngitic*':ti,ab OR 'intermittent laryngeal obstruction':ti,ab)	3318
#1 OR #3 OR #4 OR #5	35,966
#2 AND #6	2945
#7 NOT ('infant'/exp OR 'child'/exp OR 'adolescent'/exp OR 'child, preschool'/exp OR 'infant, newborn'/exp OR child*':ti,ab OR children*':ti,ab OR infant*':ti,ab OR preschool*':ti,ab OR adolescent*':ti,ab)	2096
#8 AND [english]/lim	2029
<b>#9 AND (2010:py OR 2011:py OR 2012:py OR 2013:py OR 2014:py OR 2015:py OR 2016:py OR 2017:py OR 2018:py OR 2019:py OR 2020:py OR 2021:py)</b>	<b>1676</b>

