

## Bilaga 4 Sökstrategier

### Appendix 4 Search strategies

PubMed via NLM 25 nov 2015

**Title: Drug treatment of respiratory tract infections in children**

Search terms	Items found
<b>Population: Children</b>	
1. "Infant"[Mesh] OR "Child"[Mesh] OR "Adolescent"[Mesh]	2905295
2. infant[Title/Abstract] OR infants [Title/Abstract] OR baby[Title/Abstract] OR babies[Title/Abstract] OR child[Title/Abstract] OR children [Title/Abstract] OR offspring[Title/Abstract] OR Adolescence[Title/Abstract]OR Adolescent[Title/Abstract] OR teenager[Title/Abstract] OR young[Title/Abstract] OR youth[Title/abstract] OR puberty[Title/Abstract] OR minor[Title/Abstract] OR juvenile[Title/Abstract] OR school-age[Title/Abstract] OR boys[Title/Abstract] OR girls[Title/Abstract] OR newborn [Title/Abstract] OR toddler [Title/Abstract] OR preterm [Title/Abstract] OR neonate [Title/Abstract] OR newborns [Title/Abstract] OR toddlers [Title/Abstract] OR minors [Title/Abstract] OR neonates [Title/Abstract]	1902593
3. 1 OR 2	3663181
<b>Population: Respiratory tract infections</b>	
4. "Respiratory Tract Infections"[Mesh:NoExp] OR "Empyema, Pleural"[Mesh] OR "Whooping Cough"[Mesh] OR "Bronchitis"[Mesh] OR "Common Cold"[Mesh] OR "Influenza, Human"[Mesh] OR "Laryngitis"[Mesh] OR "Legionellosis"[Mesh] OR "Lung Abscess"[Mesh] OR "Lung Diseases, Fungal"[Mesh] OR "Lung Diseases, Parasitic"[Mesh] OR "Pharyngitis"[Mesh] OR "Pleurisy"[Mesh] OR "Pneumonia"[Mesh] OR "Rhinitis"[Mesh] OR "Sinusitis"[Mesh] OR "Supraglottitis"[Mesh] OR "Tracheitis"[Mesh] OR "Infectious Mononucleosis"[Mesh] OR "Cough"[Mesh] OR "Otitis"[Mesh]	286717
5. ("Respiratory Tract"[Title/Abstract] AND (Infection[Title/Abstract] OR infections[Title/Abstract])) OR Empyema[Title/Abstract] OR Empyemas[Title/Abstract] OR "Whooping Cough"[Title/Abstract] OR Bronchitis[Title/Abstract] OR Bronchiolitis[Title/Abstract] OR "Common Cold"[Title/Abstract] OR Influenza[Title/Abstract] OR Laryngitis[Title/Abstract] OR Croup[Title/Abstract] OR Legionellosis[Title/Abstract] OR "Legionnaires' Disease"[Title/Abstract] OR "Lung Abscess"[Title/Abstract] OR "Pulmonary Abscess"[Title/Abstract] OR Pharyngitis[Title/Abstract] OR Tonsillitis[Title/Abstract] OR "Retropharyngeal Abscess"[Title/Abstract] OR Pleuritis[Title/Abstract] OR Pleurisy[Title/Abstract] OR Pleuritides[Title/Abstract] OR Pleurisies[Title/Abstract] OR Pneumonia[Title/Abstract] OR Pneumonias[Title/Abstract] OR Pneumonitis[Title/Abstract] OR Rhinitis[Title/Abstract] OR Sinusitis[Title/Abstract] OR Sinusitides[Title/Abstract] OR Supraglottitis[Title/Abstract] OR Epiglottitis[Title/Abstract] OR Tracheitis[Title/Abstract] OR Mononucleosis[Title/Abstract] OR "Glandular Fever"[Title/Abstract] OR cough[Title/Abstract] OR Otitis[Title/Abstract]	307610
6. 4 OR 5	428878
<b>Intervention: Drug treatment</b>	
7. "Acetaminophen"[Mesh] OR "Adrenergic beta-Agonists"[Mesh] OR "Respiratory System Agents"[Mesh] OR "Epinephrine"[Mesh] OR "Glucocorticoids"[Mesh] OR "Leukotrienes"[Mesh] OR "Anti-Infective Agents"[Mesh] OR "Saline Solution, Hypertonic"[Mesh] OR "Acetylcysteine"[Mesh] OR "Bromhexine"[Mesh] OR	783899

	"Ibuprofen"[Mesh] OR "Honey"[Mesh] OR "Milk, Human"[Mesh] OR "Vitamins"[Mesh] OR "Probiotics"[Mesh] OR "Xylitol"[Mesh] OR "Oxygen Inhalation Therapy"[Mesh] OR "Blood Transfusion"[Mesh]	
8.	Acetaminophen[Title/Abstract] OR Paracetamol[Title/Abstract] OR Acetaminophen[Title/Abstract] OR Hydroxyacetanilide[Title/Abstract] OR Acetamidophenol[Title/Abstract] OR Acephen[Title/Abstract] OR Acetaco[Title/Abstract] OR Tylenol[Title/Abstract] OR Datri[Title/Abstract] OR Panadol[Title/Abstract] OR Acamol[Title/Abstract] OR Algotropyl[Title/Abstract] OR phenaphen[Title/Abstract] OR tempr[Title/Abstract] OR anacin[Title/Abstract] OR adrenergic beta-Agonists[Title/Abstract] OR salbutamol[Title/Abstract] OR salbuterol[Title/Abstract] OR Ventolin[Title/Abstract] OR levosalbutamol[Title/Abstract] OR terbutaline [Title/Abstract] OR Bricanyl[Title/Abstract] OR pirbuterol [Title/Abstract] OR procaterol[Title/Abstract] OR clenbuterol[Title/Abstract] OR metaproterenol[Title/Abstract] OR fenoterol[Title/Abstract] OR "bitolterol mesylate"[Title/Abstract] OR ritodrine[Title/Abstract] OR isoprenaline[Title/Abstract] OR Antitussive[Title/Abstract] OR "Cough Suppressants"[Title/Abstract] OR treatment[Title] OR Bronchodilator[Title/Abstract] OR "Bronchial Dilating"[Title/Abstract] OR Bronchoconstrictor[Title/Abstract] OR "Mucolytic Agents"[Title/Abstract] OR Expectorants[Title/Abstract] OR Decongestants[Title/Abstract] OR Vasoconstrictor[Title/Abstract] OR "Pulmonary Surfactants"[Title/Abstract] OR Epinephrine[Title/Abstract] OR Adrenaline[Title/Abstract] OR Epifrin[Title/Abstract] OR Racepinephrine[Title/Abstract] OR Glucocorticoids[Title/Abstract] OR glucocorticoid[Title/Abstract] OR CORTICOSTEROIDS[Title/Abstract] OR Anti-Infective Agents[Title/Abstract] OR Antibiotic[Title/Abstract] OR Antibiotics[Title/Abstract] OR penicillin[Title/Abstract] OR amoxicillin[Title/Abstract] OR erythromycin[Title/Abstract] OR Antifungal Agents[Title/Abstract] OR Antiviral Agents[Title/Abstract] OR oseltamivir[Title/Abstract] OR zanamivir[Title/Abstract] OR Antiparasitic Agents[Title/Abstract] OR tamiflu[Title/Abstract] OR "Hypertonic Solutions"[Title/Abstract] OR "Saline Solution"[Title/Abstract] OR Acetylcysteine[Title/Abstract] OR N-Acetylcysteine[Title/Abstract] OR "N Acetylcysteine"[Title/Abstract] OR Bromhexine[Title/Abstract] OR Bromhexin[Title/Abstract] OR Ibuprofen[Title/Abstract] OR lbumetin[Title/Abstract] OR Honey [Title/Abstract] OR breast milk [Title/Abstract] OR breast feeding [Title/Abstract] OR vitamin [Title/Abstract] OR vitamins[Title/Abstract] OR Mineral supplements [Title/Abstract] OR probiotic [Title/Abstract] OR Probiotics* [Title/Abstract] OR Xylitol [Title/Abstract] OR Blood transfusion [Title/Abstract]	1389516
9.	("Fibrinolytic Agents" [Pharmacological Action]) AND ("Empyema, Pleural"[Mesh] OR pleuritic [Title/Abstract] OR empyema [Title/Abstract] OR "Pleurisy"[Mesh])	293
10.	7 OR 8 OR 9	1897689
<b>Combined sets</b>		
11.	3 AND 6 AND 10	32450
<b>Study types: systematic reviews</b>		
12.	systematic[sb]	248635
<b>Limits: Humans</b>		
13.	animals [MeSH] NOT humans [MeSH]	3997161
<b>(11 AND 12) NOT 13</b>		<b>1312</b>

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

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

[MeSH:NoExp] = Does not include terms found below this term in the MeSH hierarchy

[MAJR] = MeSH Major Topic

[TIAB] = Title or abstract

[T!] = Title  
[AU] = Author  
[TW] = Text Word  
Systematic[SB] = Filter for retrieving systematic reviews  
\* = Truncation

Embase via embase.com 25 nov 2015

## Title: Drug treatment of respiratory tract infections in children

Search terms	Items found
<b>Population: Child</b>	
1. 'child'/exp OR 'adolescent'/exp	2833729
2. infant:ab,ti OR infants:ab,ti OR baby:ab,ti OR babies:ab,ti OR child:ab,ti OR children:ab,ti OR offspring:ab,ti OR adolescence:ab,ti OR adolescent:ab,ti OR teenager:ab,ti OR young:ab,ti OR youth:ab,ti OR puberty:ab,ti OR juvenile:ab,ti OR 'school age':ab,ti OR boys:ab,ti OR girls:ab,ti OR toddler:ab,ti OR preterm:ab,ti OR neonate:ab,ti OR toddlers:ab,ti OR minor:ab,ti OR neonates:ab,ti OR newborns:ab,ti OR minors:ab,ti	2293955
3. 1 OR 2	3773465
<b>Population: Respiratory tract infections</b>	
4. 'influenza'/exp OR 'laryngotracheobronchitis'/exp OR 'epiglottitis'/exp OR 'inflammation of the lungs, bronchi and pleura'/exp OR 'laryngitis'/exp OR 'pharyngitis'/exp OR 'rhinitis'/exp OR 'sinusitis'/exp OR 'supraglottitis'/exp OR 'tracheitis'/exp OR 'mononucleosis'/exp OR 'coughing'/exp OR 'otitis'/exp	521195
5. 'respiratory tract':ab,ti AND (infection:ab,ti OR infections:ab,ti) OR empyema:ab,ti OR empyemas:ab,ti OR 'whooping cough':ab,ti OR bronchitis:ab,ti OR bronchiolitis:ab,ti OR 'common cold':ab,ti OR influenza:ab,ti OR laryngitis:ab,ti OR croup:ab,ti OR legionellosis:ab,ti OR 'legionnaires disease':ab,ti OR 'lung abscess':ab,ti OR 'pulmonary abscess':ab,ti OR pharyngitis:ab,ti OR tonsillitis:ab,ti OR 'retropharyngeal abscess':ab,ti OR pleuritis:ab,ti OR pleurisy:ab,ti OR pleuritides:ab,ti OR pleurisies:ab,ti OR pneumonia:ab,ti OR pneumonias:ab,ti OR pneumonitis:ab,ti OR rhinitis:ab,ti OR sinusitis:ab,ti OR sinusitides:ab,ti OR supraglottitis:ab,ti OR epiglottitis:ab,ti OR tracheitis:ab,ti OR mononucleosis:ab,ti OR 'glandular fever':ab,ti OR cough:ab,ti OR otitis:ab,ti	393059
6. 4 OR 5	638186
<b>Intervention: Drug treatment</b>	
7. 'paracetamol'/exp OR 'beta 2 adrenergic receptor stimulating agent'/exp OR 'respiratory tract agent'/exp OR 'adrenalin'/exp OR 'glucocorticoid'/exp OR 'leukotriene'/exp OR 'antiinfective agent'/exp OR 'sodium chloride'/exp OR 'acetylcysteine'/exp OR 'bromhexine'/exp OR 'ibuprofen'/exp OR 'honey'/exp OR 'breast milk'/exp OR 'vitamin'/exp OR 'probiotic agent'/exp OR 'xylitol'/exp OR 'oxygen therapy'/exp OR 'blood transfusion'/exp	3284866
8. acetaminophen:ab,ti OR paracetamol:ab,ti OR acetaminophen:ab,ti OR hydroxyacetanilide:ab,ti OR acetamidophenol:ab,ti OR acephen:ab,ti OR acetaco:ab,ti OR tylenol:ab,ti OR datril:ab,ti OR panadol:ab,ti OR acamol:ab,ti OR algotropropyl:ab,ti OR phenaphen:ab,ti OR temptra:ab,ti OR anacin:ab,ti OR adrenergic:ab,ti AND 'beta agonists':ab,ti OR salbutamol:ab,ti OR salbuterol:ab,ti OR ventolin:ab,ti OR levosalbutamol:ab,ti OR terbutaline:ab,ti OR bricanyl:ab,ti OR pirbuterol:ab,ti OR procaterol:ab,ti OR clenbuterol:ab,ti OR metaproterenol:ab,ti OR fenoterol:ab,ti OR 'bitolterol mesylate':ab,ti OR ritodrine:ab,ti OR isoprenaline:ab,ti OR antitussive:ab,ti OR 'cough suppressants':ab,ti OR bronchodilator:ab,ti OR 'bronchial dilating':ab,ti OR bronchoconstrictor:ab,ti OR 'mucolytic agents':ab,ti OR expectorants:ab,ti OR decongestants:ab,ti OR vasoconstrictor:ab,ti OR 'pulmonary surfactants':ab,ti OR epinephrine:ab,ti OR adrenaline:ab,ti OR epifrin:ab,ti OR racepinephrine:ab,ti OR glucocorticoids:ab,ti OR glucocorticoid:ab,ti OR corticosteroids:ab,ti OR 'anti infective agents':ab,ti OR antibiotic:ab,ti OR antibiotics:ab,ti OR penicillin:ab,ti OR amoxicillin:ab,ti OR erythromycin:ab,ti OR antifungal:ab,ti AND agents:ab,ti OR antiviral:ab,ti AND agents:ab,ti OR oseltamivir:ab,ti OR zanamivir:ab,ti OR antiparasitic:ab,ti AND agents:ab,ti OR tamiflu:ab,ti OR 'hypertonic solutions':ab,ti OR 'saline solution':ab,ti OR	107630

acetylcysteine:ab,ti OR 'n-acetylcysteine':ab,ti OR 'n acetylcysteine':ab,ti OR  
 bromhexine:ab,ti OR bromhexin:ab,ti OR ibuprofen:ab,ti OR ibumetin:ab,ti OR honey:ab,ti  
 OR 'breast milk':ab,ti OR 'breast feeding':ab,ti OR vitamin:ab,ti OR vitamins:ab,ti OR  
 'mineral supplements':ab,ti OR probiotic:ab,ti OR probiotics:ab,ti OR xylitol:ab,ti OR 'blood  
 transfusion':ab,ti

9.	treatment:ti	1143393
10.	7 OR 8 OR 9	58808
<b>Combined sets</b>		
11.	3 AND 6 AND 10	8357
12.	11 AND [embase]/lim	49573
<b>12 AND 'systematic review'/exp</b>		<b>737</b>

/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

**Cochrane Library via Wiley 25 nov 2015 (CDSR, DARE & HTA)**  
**Title: Drug treatment of respiratory tract infections in children**

Search terms	Items found
<b>Children</b>	
1. MeSH descriptor: [Infant] explode all trees OR MeSH descriptor: [Child] explode all trees OR MeSH descriptor: [Adolescent] explode all trees	89572
2. infant or infants or baby or babies or child or children or offspring or Adolescence or Adolescent or teenager or young or youth or puberty or minor or juvenile or school-age or boys or girls or newborn or toddler or preterm or neonate or newborns or toddlers or minors or neonates infant or infants or baby or babies or child or children or offspring or Adolescence or Adolescent or teenager or young or youth or puberty or minor or juvenile or school-age or boys or girls or newborn or toddler or preterm or neonate or newborns or toddlers or minors or neonates:ti,ab,kw (Word variations have been searched)	200851
3. 1 OR 2	200851
<b>Respiratory tract infections</b>	
4. MeSH descriptor: [Respiratory Tract Infections] explode all trees OR MeSH descriptor: [Infectious Mononucleosis] explode all trees OR MeSH descriptor: [Cough] explode all trees OR MeSH descriptor: [Otitis] explode all trees	11951
5. "Respiratory Tract" and (Infection or infections):ti,ab,kw or Empyema or Empyemas or "Whooping Cough" or Bronchitis or Bronchiolitis or "Common Cold" or Influenza or Laryngitis or Croup or Legionellosis or "Legionnaires' Disease" or "Lung Abscess" or "Pulmonary Abscess" or Pharyngitis or Tonsillitis or "Retropharyngeal Abscess" or Pleuritis or Pleurisy or Pleuritides or Pleurisies or Pneumonia or Pneumonias or Pneumonitis or Rhinitis or Sinusitis or Sinusitides or Supraglottitis or Epiglottitis or Tracheitis or Mononucleosis or "Glandular Fever" or cough or Otitis:ti,ab,kw (Word variations have been searched)	32148
6. 4 OR 5	33104
<b>Drug treatment</b>	
7. MeSH descriptor: [Acetaminophen] explode all trees OR MeSH descriptor: [Adrenergic beta-Agonists] explode all trees OR MeSH descriptor: [Respiratory System Agents] explode all trees OR MeSH descriptor: [Epinephrine] explode all trees OR MeSH descriptor: [Glucocorticoids] explode all trees OR MeSH descriptor: [Leukotrienes] explode all trees OR MeSH descriptor: [Anti-Infective Agents] explode all trees OR MeSH descriptor: [Saline Solution, Hypertonic] explode all trees OR MeSH descriptor: [Acetylcysteine] explode all trees OR MeSH descriptor: [Bromhexine] explode all trees OR MeSH descriptor: [Ibuprofen] explode all trees OR MeSH descriptor: [Honey] explode all trees OR MeSH descriptor: [Milk, Human] explode all trees OR MeSH descriptor: [Vitamins] explode all trees OR MeSH descriptor: [Probiotics] explode all trees OR MeSH descriptor: [Xylitol] explode all trees OR MeSH descriptor: [Oxygen Inhalation Therapy] explode all trees OR MeSH descriptor: [Blood Transfusion] explode all trees	41851
8. Acetaminophen or Paracetamol or Acetaminophen or Hydroxyacetanilide or Acetamidophenol or Acephen or Acetaco or Tylenol or Datril or Panadol or Acamol or Algotropyl or phenaphen or temptra or anacin or adrenergic beta-Agonists or salbutamol or salbuterol or Ventolin or levosalbutamol or terbutaline or Bricanyl or pirbuterol or procaterol or clenbuterol or metaproterenol or fenoterol or "bitolterol mesylate" or ritodrine or isoprenaline or Antitussive or "Cough Suppressants":ti,ab,kw or "treatment":ti,ab,kw or Bronchodilator or "Bronchial Dilating" or Bronchoconstrictor or "Mucolytic Agents" or Expectorants or Decongestants or Vasoconstrictor or "Pulmonary Surfactants" or Epinephrine or Adrenaline or Epifrin or Racepinephrine or Glucocorticoids or glucocorticoid or CORTICOSTEROIDS or "Anti Infective Agents" or Antibiotic or Antibiotics	403462

or penicillin or amoxicillin or erythromycin or Antifungal Agents or Antiviral Agents or oseltamivir or zanamivir or Antiparasitic Agents or tamiflu or "Hypertonic Solutions" or "Saline Solution" or Acetylcysteine or "N-Acetylcysteine" or "N Acetylcysteine" or Bromhexine or Bromhexin or Ibuprofen or Ibumetin:ti,ab,kw (Word variations have been searched) OR "honey":ti,ab,kw or "breast milk":ti,ab,kw or "breast feeding":ti,ab,kw or vitamin:ti,ab,kw or vitamins:ti,ab,kw or "Mineral supplements":ti,ab,kw or probiotic:ti,ab,kw or Probiotics:ti,ab,kw or Xylitol:ti,ab,kw or "blood transfusion":ti,ab,kw

9.	MeSH descriptor: [Fibrinolytic Agents] explode all trees	1971
10.	7 OR 8 OR 9	409251
<b>Combined sets</b>		
<b>3 AND 6 AND 10</b>		<b>8838</b>
		<b>CR: 672</b>
		<b>DARE: 167</b>
		<b>HTA: 17</b>

[AU] = Author

[MAJR] = MeSH Major Topic

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

[MeSH:NoExp] = Does not include terms found below this term in the MeSH hierarchy

Systematic[SB] = Filter for retrieving systematic reviews

[TI] = Title

[TIAB] = Title or abstract

[TW] = Text Word

\* = Truncation

“ ” = Citation Marks; searches for an exact phrase

CDSR = Cochrane Database of Systematic Review

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

CRM = Method Studies

DARE = Database Abstracts of Reviews of Effects, “other reviews”

EED = Economic Evaluations

HTA = Health Technology Assessments