Appendix 1: Search Strategy

Sources to be searched:

MEDLINE and MEDLINE In process
EMBASE
Cochrane Database of Systematic Reviews (CDSR)
Database of Abstracts of Reviews of Effects (DARE)

2000 onwards
All study types
English language only
Human only
Single search strategy used to cover all guideline sections

Searches for guidelines (in search order)

MEDLINE and MEDLINE In Process
Ovid MEDLINE(R) In-Process & Other Non-Indexed Citations and Ovid MEDLINE(R) <1950 to Present>
Searched via Ovid interface 03/02/09

1  exp Pneumonia/ (59061)
2  exp Pneumonia, Bacterial/ (12548)
3  pneumoni$.ti,ab. (93895)
4  bronchopneumoni$.ti,ab. (2480)
5  pleuropneumoni$.ti,ab. (1942)
6  exp Respiratory Tract Infections/ (233912)
7  (lower respiratory adj3 infection$).ti,ab. (3958)
8  1 or 2 or 3 or 4 or 5 or 6 or 7 (289474)
9  exp Ambulatory Care/ (38374)
10  outpatient$.ti,ab. (75586)
11  ambulatory.ti,ab. (46196)
12  Community-Acquired Infections/ (6335)
13  (commun$ adj3 acquir$).ti,ab. (8442)
14  exp Family Practice/ (53901)
15  "emergency room".ti,ab. (7730)
16  9 or 10 or 11 or 12 or 13 or 14 or 15 (201181)
17  8 and 16 (11422)
18  exp Pediatrics/ (33505)
19  (pediatric$ or paediatric$).ti,ab. (142562)
20  exp Child/ (1252259)
21  exp Infant/ (774375)
22  exp Child, Preschool/ (609315)
23  exp Adolescent/ (1256580)
24  (child$ or infant$ or boy$ or girl$ or toddler$ or adolescen$ or pre-school$ or preschool$ or teenage$ or youth$).ti,ab. (1045471)
25  18 or 19 or 20 or 21 or 22 or 23 or 24 (2504020)
26  25 and 17 (4000)
27  limit 26 to yr="2000 - 2009" (2155)
EMBASE
Database: EMBASE <1980 to 2009 Week 5>
Searched via Ovid interface 03/02/09

1 exp Pneumonia/ (83858)
2 exp Bacterial Pneumonia/ (4709)
3 pneumoni$.ti,ab. (73858)
4 bronchopneumoni$.ti,ab. (1507)
5 pleuropneumoni$.ti,ab. (916)
6 exp Lower Respiratory Tract Infection/ (60037)
7 (lower respiratory adj3 infection$).ti,ab. (3828)
8 1 or 2 or 3 or 4 or 5 or 6 or 7 (152142)
9 exp Ambulatory Care/ (12331)
10 outpatient$.ti,ab. (65380)
11 ambulatory.ti,ab. (35969)
12 (commun$ adj3 acquir$).ti,ab. (8151)
13 exp General Practice/ (22748)
14 "emergency room".ti,ab. (6257)
15 9 or 10 or 11 or 12 or 13 or 14 (136787)
16 8 and 15 (7939)
17 exp Pediatrics/ (28273)
18 (pediatric$ or paediatric$).ti,ab. (118140)
19 exp Child/ (628521)
20 exp Infant/ (173469)
21 exp Child, Preschool/ (104929)
22 exp Adolescent/ (437373)
23 (child$ or infant$ or boy$ or girl$ or toddler$ or adolescen$ or pre-school$ or preschool$ or teenage$ or youth$).ti,ab. (699906)
24 17 or 18 or 19 or 20 or 21 or 22 or 23 (1123738)
25 24 and 16 (1891)
26 limit 25 to yr="2000 - 2009" (1237)
27 limit 26 to english language (1054)

Cochrane Database of Systematic Reviews (CDSR)
Database of Abstracts of Reviews of Effects (DARE)
Both searched via Cochrane Library 03/02/09
http://www.mrw.interscience.wiley.com/cochrane/cochrane_search_fs.html

#1 MeSH descriptor Pneumonia explode all trees 2084
#2 MeSH descriptor Pneumonia, Bacterial explode all trees 576
#3 pneumoni*.*ti,ab 3944
#4 bronchopneumoni*.*ti,ab 89
#5 pleuropneumoni*.*ti,ab 1
#6 MeSH descriptor Respiratory Tract Infections explode all trees 7876
#7 ((lower respiratory) NEAR infection*).ti,ab 944
#8 (#1 OR #2 OR #3 OR #4 OR #5 OR #6 OR #7) 10498
#9 MeSH descriptor Ambulatory Care explode all trees 3288
#10 outpatient*.*ti,ab 12363
Of the 189 total results for the entire Cochrane Library 12 were from CDSR and 1 from DARE.

**Total Results**

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2076 results saved to a compressed Endnote X1 library (bts cap children search.enlx). Custom 4 field of each record marked as in above table to show source.