

**Appendix 1:**  
**BTS Community Acquired Pneumonia in Children search write-up**

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)

28 limit 27 to english language (1788)

### **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](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

#11 ambulatory:ti,ab 5572  
 #12 MeSH descriptor Community-Acquired Infections, this term only 428  
 #13 (commun\* NEAR acquir\*):ti,ab 723  
 #14 MeSH descriptor Family Practice explode all trees 2017  
 #15 emergency room:ti,ab 620  
 #16 (#9 OR #10 OR #11 OR #12 OR #13 OR #14 OR #15) 21703  
 #17 (#8 AND #16) 1161  
 #18 MeSH descriptor Pediatrics explode all trees 409  
 #19 (pediatric\* or paediatric\*):ti,ab 7412  
 #20 MeSH descriptor Child explode all trees 0  
 #21 MeSH descriptor Infant explode all trees 10246  
 #22 MeSH descriptor Child, Preschool explode all trees 0  
 #23 MeSH descriptor Adolescent explode all trees 60024  
 #24 (child\* or infant\* or boy\* or girl\* or toddler\* or adolescen\* or pre-school\* or preschool\* or teenage\* or youth\*):ti,ab 51439  
 #25 (#18 OR #19 OR #20 OR #21 OR #22 OR #23 OR #24) 104464  
 #26 (#17 AND #25) 411  
 #27 <nothing>, from 2000 to 2009 260235  
 #28 (#26 AND #27) 189

Of the 189 total results for the entire Cochrane Library 12 were from CDSR and 1 from DARE.

### Total Results

| Source                         | Records     | After de-duplication | Custom 4 field   |
|--------------------------------|-------------|----------------------|------------------|
| MEDLINE and MEDLINE In Process | 1788        | 1779                 | MEDLINE 03/02/09 |
| EMBASE                         | 1054        | 291                  | EMBASE 03/02/09  |
| CDSR                           | 12          | 5                    | CDSR 03/02/09    |
| DARE                           | 1           | 1                    | DARE 03/02/09    |
| <b>Total</b>                   | <b>2855</b> | <b>2076</b>          |                  |

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.

## Update searches July 2010

Original searches (with strategies amended to include 2010) were re-run, all results downloaded into the Endnote library and then de-duplicated against the original 2076 results found in February 2009.

### 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 29/07/10

- 1 exp Pneumonia/ (62865)
- 2 exp Pneumonia, Bacterial/ (13731)
- 3 pneumoni\$.ti,ab. (102338)
- 4 bronchopneumoni\$.ti,ab. (2612)
- 5 pleuropneumoni\$.ti,ab. (2087)
- 6 exp Respiratory Tract Infections/ (248490)
- 7 (lower respiratory adj3 infection\$).ti,ab. (4370)
- 8 1 or 2 or 3 or 4 or 5 or 6 or 7 (309753)
- 9 exp Ambulatory Care/ (40676)
- 10 outpatient\$.ti,ab. (84728)
- 11 ambulatory.ti,ab. (49955)
- 12 Community-Acquired Infections/ (7552)
- 13 (commun\$ adj3 acquir\$).ti,ab. (9718)
- 14 exp Family Practice/ (58440)
- 15 "emergency room".ti,ab. (8744)
- 16 9 or 10 or 11 or 12 or 13 or 14 or 15 (221256)
- 17 8 and 16 (12825)
- 18 exp Pediatrics/ (36364)
- 19 (pediatric\$ or paediatric\$).ti,ab. (161021)
- 20 exp Child/ (1338221)
- 21 exp Infant/ (821555)
- 22 exp Child, Preschool/ (652098)
- 23 exp Adolescent/ (1362286)
- 24 (child\$ or infant\$ or boy\$ or girl\$ or toddler\$ or adolescen\$ or pre-school\$ or preschool\$ or teenage\$ or youth\$).ti,ab. (1137654)
- 25 18 or 19 or 20 or 21 or 22 or 23 or 24 (2690891)
- 26 25 and 17 (4490)
- 27 limit 26 to yr="2000 - 2010" (2590)
- 28 limit 27 to english language (2158)
- 29 from 28 keep 1-2158 (2158)

### EMBASE

Database: EMBASE <1980 to 2010 Week 29>

Searched via Ovid interface 29/07/10

- 1 exp Pneumonia/ (133325)
- 2 exp Bacterial Pneumonia/ (7819)
- 3 pneumoni\$.ti,ab. (114674)
- 4 bronchopneumoni\$.ti,ab. (2727)

5 pleuropneumoni\$.ti,ab. (2001)  
 6 exp Lower Respiratory Tract Infection/ (143008)  
 7 (lower respiratory adj3 infection\$.ti,ab. (5335)  
 8 1 or 2 or 3 or 4 or 5 or 6 or 7 (282588)  
 9 exp Ambulatory Care/ (30347)  
 10 outpatient\$.ti,ab. (98720)  
 11 ambulatory.ti,ab. (56397)  
 12 (commun\$ adj3 acquir\$.ti,ab. (11864)  
 13 exp General Practice/ (58426)  
 14 "emergency room".ti,ab. (10116)  
 15 9 or 10 or 11 or 12 or 13 or 14 (239236)  
 16 8 and 15 (11992)  
 17 exp Pediatrics/ (55489)  
 18 (pediatric\$ or paediatric\$.ti,ab. (197901)  
 19 exp Child/ (1403397)  
 20 exp Infant/ (444625)  
 21 exp Child, Preschool/ (404771)  
 22 exp Adolescent/ (1056833)  
 23 (child\$ or infant\$ or boy\$ or girl\$ or toddler\$ or adolescen\$ or pre-school\$ or  
 preschool\$ or teenage\$ or youth\$.ti,ab. (1241107)  
 24 17 or 18 or 19 or 20 or 21 or 22 or 23 (2369535)  
 25 24 and 16 (2983)  
 26 limit 25 to yr="2000 - 2010" (1973)  
 27 limit 26 to english language (1589)  
 28 from 27 keep 1-1589 (1589)

**Cochrane Database of Systematic Reviews (CDSR)**  
**Database of Abstracts of Reviews of Effects (DARE)**

Both searched via Cochrane Library 29/07/10

[http://www.mrw.interscience.wiley.com/cochrane/cochrane\\_search\\_fs.html](http://www.mrw.interscience.wiley.com/cochrane/cochrane_search_fs.html)

#1 MeSH descriptor Pneumonia explode all trees 2285  
 #2 MeSH descriptor Pneumonia, Bacterial explode all trees 625  
 #3 pneumoni\*:ti,ab 4298  
 #4 bronchopneumoni\*:ti,ab 91  
 #5 pleuropneumoni\*:ti,ab 1  
 #6 MeSH descriptor Respiratory Tract Infections explode all trees 8607  
 #7 ((lower respiratory) NEAR infection\*):ti,ab 1012  
 #8 (#1 OR #2 OR #3 OR #4 OR #5 OR #6 OR #7) 11445  
 #9 MeSH descriptor Ambulatory Care explode all trees 3552  
 #10 outpatient\*:ti,ab 13282  
 #11 ambulatory:ti,ab 5987  
 #12 MeSH descriptor Community-Acquired Infections, this term only 476  
 #13 (commun\* NEAR acquir\*):ti,ab 785  
 #14 MeSH descriptor Family Practice explode all trees 0  
 #15 emergency room:ti,ab 674  
 #16 (#9 OR #10 OR #11 OR #12 OR #13 OR #14 OR #15) 21356  
 #17 (#8 AND #16) 1142  
 #18 MeSH descriptor Pediatrics explode all trees 0  
 #19 (pediatric\* or paediatric\*):ti,ab 8376

#20 MeSH descriptor Child explode all trees 13  
 #21 MeSH descriptor Infant explode all trees 11221  
 #22 MeSH descriptor Child, Preschool explode all trees 10  
 #23 MeSH descriptor Adolescent explode all trees 66349  
 #24 (child\* or infant\* or boy\* or girl\* or toddler\* or adolescen\* or pre-school\* or preschool\* or teenage\* or youth\*):ti,ab 57386  
 #25 (#18 OR #19 OR #20 OR #21 OR #22 OR #23 OR #24) 115762 edit delete  
 #26 (#17 AND #25), from 2000 to 2010 197

Of the 197 total results for the entire Cochrane Library 14 were from CDSR and 1 from DARE.

### Total Results

| Source                         | Records     | After de-duplication | Custom 4 field   |
|--------------------------------|-------------|----------------------|------------------|
| MEDLINE and MEDLINE In Process | 2158        | 329                  | MEDLINE 29/07/10 |
| EMBASE                         | 1589        | 181                  | EMBASE 29/07/10  |
| CDSR                           | 14          | 1                    | CDSR 29/07/10    |
| DARE                           | 1           | 0                    | DARE 29/07/10    |
| <b>Total</b>                   | <b>3762</b> | <b>511</b>           |                  |

Additional 511 results saved to Endnote X1 library (bts cap children search.enl). Custom 4 field of each record marked as in above table to show source. Additional results also sent as txt file.