

**Asthma Guidelines – EPR3 Literature Review  
Search Strategy Progress Summary**

**Managing Exacerbations**

**Search Strategies**

**March 24, 2006 Mini-Update Search (Covering Dec. 1, 2005 – Mar. 15, 2006):**

Run the strategy—with just updated dates:

Asthma[mh] AND (attack OR exacerbation OR acute OR acute disease[mh]) AND (identification OR classification[sh] OR severity of illness index[mh] OR outcome assessment[mh] OR monitoring OR therapy[sh] OR therapeutics[mh] OR home OR emergency service, hospital[mh] OR prehospital) AND 2005/12/01:2006/03/15[dp] AND English[la] AND human[mh] AND hasabstract  
25 hits

Run the strategy with updates dates and with publication-type limits too:

Asthma[mh] AND (attack OR exacerbation OR acute OR acute disease[mh]) AND (identification OR classification[sh] OR severity of illness index[mh] OR outcome assessment[mh] OR monitoring OR therapy[sh] OR therapeutics[mh] OR home OR emergency service, hospital[mh] OR prehospital) AND 2005/12/01:2006/03/15[dp] AND English[la] AND human[mh] AND hasabstract AND (randomized controlled trial[pt] OR meta-analysis[pt] OR ("systematic review" AND review[pt]) OR epidemiologic studies[mh])

**13 hits**

Get the residuals, which is the first set NOT the second set. In Pubmed, the search looks like:

#9 NOT #10

**12 hits**

**January 10, 2006 Mini-Update Search (Covering Oct 2, 2005 – Jan 1, 2006):**

Run the strategy—with just updated dates:

Asthma[mh] AND (attack OR exacerbation OR acute OR acute disease[mh]) AND (identification OR classification[sh] OR severity of illness index[mh] OR outcome assessment[mh] OR monitoring OR therapy[sh] OR therapeutics[mh] OR home OR emergency service, hospital[mh] OR prehospital) AND 2005/10/02:2006/01/01[dp] AND English[la] AND human[mh] AND hasabstract  
6 hits

Run the strategy with updates dates and with publication-type limits too:

Asthma[mh] AND (attack OR exacerbation OR acute OR acute disease[mh]) AND (identification OR classification[sh] OR severity of illness index[mh] OR outcome assessment[mh] OR monitoring OR therapy[sh] OR therapeutics[mh] OR home OR emergency service, hospital[mh] OR prehospital) AND 2005/10/02:2006/01/01[dp] AND English[la] AND human[mh] AND hasabstract AND (randomized controlled trial[pt] OR meta-analysis[pt] OR ("systematic review" AND review[pt]) OR epidemiologic studies[mh])

**3 hits**

Get the residuals, which is the first set NOT the second set. In Pubmed, the search looks like:

#1 NOT #2

**3 hits**

**December 5, 2005 Update search (covering Oct 1, 2004-Nov. 2, 2005):**

Run original strategy—with just updated dates:

Asthma[mh] AND (attack OR exacerbation OR acute OR acute disease[mh]) AND (identification OR classification[sh] OR severity of illness index[mh] OR outcome assessment[mh] OR

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## Managing Exacerbations

monitoring OR therapy[sh] OR therapeutics[mh] OR home OR emergency service, hospital[mh] OR prehospital) AND 2004/10/01:2005/11/02[dp] AND English[la] AND human[mh] AND hasabstract  
149 results

Now limit to specific types of studies (RCTs, meta-analysis, systematic reviews, and epidemiologic studies):

Asthma[mh] AND (attack OR exacerbation OR acute OR acute disease[mh]) AND (identification OR classification[sh] OR severity of illness index[mh] OR outcome assessment[mh] OR monitoring OR therapy[sh] OR therapeutics[mh] OR home OR emergency service, hospital[mh] OR prehospital) AND 2004/10/01:2005/11/02[dp] AND English[la] AND human[mh] AND hasabstract AND (randomized controlled trial[pt] OR meta-analysis[pt] OR ("systematic review" AND review[pt]) OR epidemiologic studies[mh])

**67 results**

Compared set of 149 to set of 67 to find unique titles. Found 82 new citations. Eliminated 1 duplicate title:

**81 results**

### January 2005

Took the set of 1,363 and compared it to all previously screened sets from the Bronchodilators, Corticosteroids, Leukotrienes, and Immunomodulators groups. 231 duplicates were found and removed from the set of 1,363 leaving us with **1,132** total for Exacerbations. Added in 30 transfers from Bronchodilators = **1,162 total**

### Revision to November 2004 Search Strategy:

Asthma[mh] AND (attack OR exacerbation OR acute OR acute disease[mh]) AND (identification OR classification[sh] OR severity of illness index[mh] OR outcome assessment[mh] OR monitoring OR therapy[sh] OR therapeutics[mh] OR home OR emergency service, hospital[mh] OR prehospital) AND 1997/01/01:2004/11/01[dp] AND English[la] AND human[mh] AND has abstract

1528 results -- removed dupes from previous run of 165 = 1,363 results

### November 2004 Search Strategy:

Asthma[mh] AND (attack OR exacerbation OR acute OR acute disease[mh]) AND (identification OR classification[sh] OR severity of illness index[mh] OR outcome assessment[mh] OR monitoring OR therapy[sh] OR therapeutics[mh] OR home OR emergency service, hospital[mh] OR prehospital) AND peak expiratory flow rate[mh] AND 1997/01/01:2004/11/01[dp] AND English[la] AND human[mh] AND hasabstract

**165 results**