Asthma Guidelines – EPR3 Literature Review
Search Strategy Progress Summary

Patient/Provider Education

Search Strategies


Run original strategies—with just updated dates:

Patient Education
(Asthma education OR asthma patient education OR asthma program OR asthma self management OR asthma self treatment OR asthma self regulation OR asthma self efficacy) AND Human[mh] AND English[la] AND hasabstract AND 2005/12/01:2006/03/15[dp]
46 hits

Provider Education
20 Hits

Community Health Workers
8 hits

Second Community Health Workers search
asthma AND (coalition OR community program) AND education AND Human[mh] AND English[la] AND hasabstract AND 2005/12/01:2006/03/15[dp]
1 hit

Adherence
3 hits

Now, use Pubmed to combine these together (and Pubmed will remove the dups)
#1 OR #2 OR #3 OR #4 OR #5
56 hits total. (In Pubmed, this is set #6)

Now limit to specific types of studies (RCTs, meta-analysis, systematic reviews, and epidemiologic studies):
#6 AND (randomized controlled trial[pt] OR meta-analysis[pt] OR "systematic review" AND review[pt]) OR epidemiologic studies[mh])
23 hits-Remove duplicates to end up with set of 19 hits.

Get the residual set, which is the first set NOT second set. In my Pubmed session, it was:
#6 NOT #7
33 hits-Removed duplicates to end up with set of 32 hits.
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**February 15, 2006 NAEPP Coordinator’s searches for Adherence articles:**
Asthma AND adherence AND outcomes
Under the Limits tab, choose: 1997 to 2006; Humans; English language; check-mark the “only items with abstracts” box.
96 results – (94 results when NAEPP Coordinator ran it) added to Pubmed clipboard

Then add several more based on searching by author and looking for relevant articles:
Apter 2003--modifiable barriers to adherence to inhaled steroids among adults with asthma: it's not just black and white.
Bender 2004--medication non-adherence and asthma treatment cost.
Callahan 2003--knowledge and practice of dust mite control by specialty care.
Rand 2002--adherence to asthma therapy in the preschool child.
Butz 2001--children with asthma and nebulizer use: parental asthma self-care practices and beliefs.
Cabana 2001--reasons for pediatrician nonadherence to asthma guidelines .
Vitolins 2000--measuring adherence to behavioral and medical interventions.
Winkelstein 2000--factors associated with medication self-administration in children with asthma.
Bender 1998--psychological factors associated with medication nonadherence in asthmatic children.
Cooper 2003--patient-centered communication, ratings of care, and concordance of patient and physician race.
Culos-Reed 2000--predictors of adherence to behavior change interventions in the elderly.

Now, PubMed clipboard has **111 hits** in it. Only certain hits from this set are desired on the Adherence list, then check for duplicates to those ones that are already on prior Pat/Prov Ed lists, except don’t de-dup out Burkhart 2002 and Janson 2003,
**29 results remain**

**February 10, 2006 NAEPP Coordinator’s searches on Community Health Workers topic, search # 4:**
legion v[au]
3 hits-added to Pubmed clipboard

butterfoss fd[au]
17 hits- added to Pubmed clipboard

asthma AND (coalition OR community program) AND education
In the Limits box, choose Limits: Publication Date from 1997 to 2006, only items with abstracts, English, Humans
96 hits- added to Pubmed clipboard

Add one more:
Susan Swider--Outcome Effectiveness of Community Health Workers: An Integrative Literature Review. Public Health Nursing Vol 19 No 1 pp 11-20.
1 hit- added to Pubmed clipboard
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Add them together, **117 hits total**, but only 26 chosen for CHW list. Checked the 26 for duplicates to ones already on prior Patient/Provider Ed lists, **14 results**

**January 10, 2006 Mini-Update search (covering Oct 2, 2005 – Jan 1, 2006):**
Run original strategies—with just updated dates:
Patient Education
(Asthma education OR asthma patient education OR asthma program OR asthma self management OR asthma self treatment OR asthma self regulation OR asthma self efficacy) AND Human[mh] AND English[la] AND hasabstract AND 2005/10/02:2006/01/01[dp]
16 hits

Provider Education
Asthma AND (patient outcomes OR Physician continuing education OR Continuing medical education OR Satisfaction with care OR Health care provider OR Clinician education) AND Human[mh] AND English[la] AND hasabstract AND 2005/10/02:2006/01/01[dp]
7 Hits

Community Health Workers
1 hit

Now, use Pubmed to combine these together (and Pubmed will remove the dups)
#1 OR #2 OR #3
19 hits total

Now limit to specific types of studies (RCTs, meta-analysis, systematic reviews, and epidemiologic studies):
Patient Education
(Asthma education OR asthma patient education OR asthma program OR asthma self management OR asthma self treatment OR asthma self regulation OR asthma self efficacy) AND Human[mh] AND English[la] AND hasabstract AND 2005/10/02:2006/01/01[dp] AND (randomized controlled trial[pt] OR meta-analysis[pt] OR ("systematic review" AND review[pt]) OR epidemiologic studies[mh])
6 hits

Provider Education
5 hits

Community Health Workers
1 hit
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Now, use Pubmed to combine these together (and Pubmed will remove the dupes) #5 OR #6 OR #7 9 hits, then removed duplicates that appear on previous Patient/Provider Ed lists, 7 results

Compared all of the sets to find unique “residual” titles: 10 results

Then add the following to the Mini-Update list, per the NAEPP Coordinator (on 2/16/06):
and
2 hits added

December 6, 2005 Community Health Workers search # 1:

asthma education AND (community health workers OR community educators OR peer educators OR asthma coalitions OR community programs) AND Human[mh] AND English[la] AND hasabstract AND 1997/01/01:2005/11/02[dp]
45 results, then removed duplicates that appear on previous Patient/Provider Ed lists, 28 results

December 6, 2005 Community Health Workers search # 2:

306 results, then removed duplicates that appear on previous Patient/Provider Ed lists, 161 results

December 6, 2005 Community Health Workers search # 3:

4 results, then removed duplicates that appear on previous Patient/Provider Ed lists, 2 results


Run original strategy—with just updated dates:
Patient Education
(Asthma education OR asthma patient education OR asthma program OR asthma self management OR asthma self treatment OR asthma self regulation OR asthma self efficacy) AND Human[mh] AND English[la] AND hasabstract AND 2005/08/12:2005/11/02[dp]
17 results
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Provider Education
8 results

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

Provider Education
6 results

Combine the two above sets and remove duplicates:
Yields 9 results

Compared all of the sets to find unique “residual” titles:
Provider Education
11 “residual” results

Provider Education
4 “residual” results
Combine the two above sets and remove duplicates:
Yields 13 results


Run original strategy—with just updated dates:

Provider Education
(Asthma education OR asthma patient education OR asthma program OR asthma self management OR asthma self treatment OR asthma self regulation OR asthma self efficacy) AND Human[mh] AND English[la] AND hasabstract AND 2004/08/30:2005/09/12[dp]
304 results

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

Patient Education
121 results

Provider Education
57 results

Compared the sets to find unique “residual” titles:

Patient Education-Residual
183 results

Provider Education-Residual
66 results

November 2004 Search Strategy:

Patient Education
1,337 results – COMBINED with Provider Ed set of 55 below.

Provider Education
55 results

Duplicates removed: 1,297 results (1,425 when re-run 3-10-05)

October 2004 Search Strategy:

Patient Education
Asthma education OR asthma patient education OR asthma program OR asthma self management OR asthma self treatment OR asthma self regulation OR asthma self efficacy AND Human[mh] AND clinical trial[pt] AND English[la] AND hasabstract AND 2000/01/01:2002/12/31[dp]
121 results
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Search #3 - covering Jan. 2004-Sep. 2004
Asthma education OR asthma patient education OR asthma program OR asthma self management OR asthma self treatment OR asthma self regulation OR asthma self efficacy AND Human[mh] AND clinical trial[pt] AND English[la] AND hasabstract AND 2004/01/01:2004/09/30[dp]
27 results

Subtotal for two searches above: 148 results

Provider Education
86 results

COMBINED set of 148 from patient education and 86 from provider education = 189 total for October 2004

Pre-October 2004 Search (for Patient Education)
Asthma education OR asthma patient education OR asthma program OR asthma self management OR asthma self treatment OR asthma self regulation OR asthma self efficacy AND Human[mh] AND clinical trial[pt] AND English[la] AND hasabstract AND 2002/01/01:2003/12/31[dp]
79 results