

Asthma Guidelines – EPR3 Literature Review Search Strategy Progress Summary

Patient/Provider Education

Search Strategies

March 24, 2006 Mini-Update search (covering Dec. 1, 2005 – Mar. 15, 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 2005/12/01:2006/03/15[dp]
46 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 2005/12/01:2006/03/15[dp]
20 Hits

Community Health Workers

Asthma[mh] AND patient education[mh] AND (community health aides[majr] OR community health services[majr]) AND Human[mh] AND English[la] AND hasabstract AND 2005/12/01:2006/03/15[dp]
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

Asthma AND adherence AND outcomes AND Human[mh] AND English[la] AND hasabstract AND 2005/12/01:2006/03/15[dp]
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.

Riekert 2003--caregiver-physician medication concordance and undertreatment of asthma among inner-city children.

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 .

Ellis 2000--adherence to pharmacological interventions. Current trends and future directions. The Pharmacological Intervention Working Group.

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.

Johnson 2004--patient race/ethnicity and quality of patient-physician communication during medical visits.

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.

Roter 1998--effectiveness of interventions to improve patient compliance: a meta-analysis.

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

Asthma[mh] AND patient education[mh] AND (community health aides[majr] OR community health services[majr]) AND Human[mh] AND English[la] AND hasabstract AND 2005/10/02:2006/01/01[dp]
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

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] AND (randomized controlled trial[pt] OR meta-analysis[pt] OR ("systematic review" AND review[pt]) OR epidemiologic studies[mh])
5 hits

Community Health Workers

Asthma[mh] AND patient education[mh] AND (community health aides[majr] OR community health services[majr]) 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])
1 hit

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Now, use Pubmed to combine these together (and Pubmed will remove the dups)
#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):

Schroeder, S. A. What to Do With a Patient Who Smokes. *JAMA* 2005;294(4):482-487.
and

Winickoff, J. P., Berkowitz, A. B., Brooks, K., Tanski, S. E., Geller, A., Thomson, C., Lando, H. A.,
Curry, S., Muramoto, M., Prokhorov, A. V., Best, D., Weitzman, M., and Pbert, L. State-of-the-Art
Interventions for Office-Based Parental Tobacco Control. *Pediatrics* 2005;115(3):750-760.

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:

Asthma[mh] AND patient education[mh] AND (community health aides[majr] OR community
health services[majr]) AND Human[mh] AND English[la] AND hasabstract AND
1997/01/01:2005/11/02[dp]

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

December 6, 2005 Community Health Workers search # 3:

Asthma education AND (community health aides[mh] OR community health services[mh]) AND
“community health workers” AND Human[mh] AND English[la] AND hasabstract AND
1997/01/01:2005/11/02[dp]

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

November 2, 2005 Mini-Update Search (covering Aug 12, 2005 – Nov 2, 2005):

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

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 2005/08/12:2005/11/02[dp]
8 results

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 2005/08/12:2005/11/02[dp] AND (randomized controlled trial[pt] OR meta-analysis[pt] OR ("systematic review" AND review[pt]) OR epidemiologic studies[mh])
6 results

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 2005/08/12:2005/11/02[dp] AND (randomized controlled trial[pt] OR meta-analysis[pt] OR ("systematic review" AND review[pt]) OR epidemiologic studies[mh])
4 results

Combine the two above sets and remove duplicates:

Yields **9 results**

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

Patient Education

11 “residual” results

Provider Education

4 “residual” results

Combine the two above sets and remove duplicates:

Yields **13 results**

September 12, 2005 Update Search (covering Aug 30, 2004 – Sept 12, 2005):

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 2004/08/30:2005/09/12[dp]
304 results

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 2004/08/30:2005/09/12[dp]
123 results

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Patient/Provider Education

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 2004/08/30:2005/09/12[dp] AND (randomized controlled trial[pt] OR meta-analysis[pt] OR ("systematic review" AND review[pt]) OR epidemiologic studies[mh])

121 results

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 2004/08/30:2005/09/12[dp] AND (randomized controlled trial[pt] OR meta-analysis[pt] OR ("systematic review" AND review[pt]) OR epidemiologic studies[mh])

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

Asthma[mh] AND (disease management[mh] OR case management[mh] OR patient care management[mh] OR patient education[mh] OR (adherence AND patient education[mh]) OR Behavior control[mh] OR health education[mh] OR (adherence AND Health education[mh]) OR Health educators[mh] OR Breathmobile OR (patient education[mh] AND Emergency service, hospital[mh])) AND Human[mh] AND English[la] AND hasabstract AND 1995/01/01:2004/11/01[dp]

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

Provider Education

Asthma[mh] AND (physicians[mh] OR health personnel[mh]) AND (education, continuing[mh] OR Education, Medical, Continuing [mh] OR patient satisfaction[mh] OR continuity of patient care[mh] OR (patients[mh] AND outcome assessment[mh]) OR (billing AND (health education[mh] OR patient education[mh])))

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

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 clinical trial[pt] AND English[la] AND hasabstract AND 2000/01/01:2004/09/30[dp]
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