

# Asthma Living Guideline Search Narrative - Pharmacological Management

June 2007

Searches were carried out for all existing pharmacology key questions, using the following search strategies, combined with the systematic review and RCT filters. The searches covered all of 2006 (both publication date and accession date).

Databases covered:

- Cochrane Central Register of Controlled Trials
- Cochrane Database of Systematic Reviews
- Embase
- Medline

## Main strategies:

Database: Ovid MEDLINE(R)

Search Strategy:

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36 [systematic review or RCT filter] (22100)  
37 exp Asthma/ (13872)  
38 asthma\$.tw. (17039)  
39 37 or 38 (18737)  
40 2006\$.ed. (630021)  
41 36 and 39 (417)  
42 41 (417)  
43 limit 42 to yr="2006" (108)  
44 41 and 40 (118)  
45 43 or 44 (137)  
46 from 45 keep 1-137 (137)

## Search results:

Topic	Hits	1 <sup>st</sup> Sift	2 <sup>nd</sup> Sift
Adults – Systematic Reviews	482	53	24
Adults – RCTs	2638	101	34
Children – Systematic Reviews	482	70	43
Children – RCTs	2638	162	71

September 2007

Additional searches were carried out for three additional key questions.

## KQ 26 Primary prevention of asthma

Sources searched: Medline, Embase, Cochrane Library 2002-2007

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Medline search strategy:

- 1 comment.pt. (241440)
- 2 letter.pt. (290795)
- 3 editorial.pt. (126739)
- 4 animal/ (1549603)
- 5 human/ (4155074)
- 6 4 not (4 and 5) (1039255)
- 7 or/1-3,6 (1480742)
- 8 exp Asthma/ (34714)
- 9 asthma\$.tw. (41106)
- 10 8 or 9 (45695)
- 11 10 not 7 (39157)
- 12 Randomized Controlled Trials/ (41813)
- 13 randomized controlled trial.pt. (142906)
- 14 Random Allocation/ (23447)
- 15 Double Blind Method/ (47729)
- 16 Single Blind Method/ (8579)
- 17 clinical trial.pt. (235664)
- 18 exp Clinical Trials/ (99975)
- 19 or/12-18 (386209)
- 20 (clinic adj trial\$1).tw. (43)
- 21 ((singl\$ or doubl\$ or treb\$ or tripl\$) adj (blind\$3 or mask\$3)).tw. (45097)
- 22 PLACEBOS/ (8314)
- 23 placebo\$.tw. (58792)
- 24 randomly allocated.tw. (5709)
- 25 (allocated adj2 random).tw. (159)
- 26 or/20-25 (80898)
- 27 19 or 26 (398555)
- 28 case report.tw. (61658)
- 29 letter.pt. (290795)
- 30 historical article.pt. (71855)
- 31 review of reported cases.pt. (0)
- 32 review, multicase.pt. (0)
- 33 or/28-32 (419682)
- 34 27 not 33 (385944)
- 35 34 and 11 (6424)
- 36 limit 35 to yr="2002 - 2007" (3175)
- 37 Asthma/pc [Prevention & Control] (2087)
- 38 primary prevention.mp. or exp Primary Prevention/ (36824)
- 39 36 and 38 (54)
- 40 prevent\$.mp. (327794)
- 41 36 and 40 (345)
- 42 \*Asthma/pc [Prevention & Control] (1152)
- 43 38 or 42 (37868)
- 44 43 and 36 (147)
- 45 41 or 44 (433)
- 46 38 or 40 or 42 (351257)
- 47 46 and 36 (433)
- 48 from 47 keep 1-433 (433)

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## KQ 27 Inhaled steroids, cromones and anti-histamines for episodic viral wheeze

Sources searched: Medline 1951-2007, Embase 1980-2007, Cochrane Library (full coverage)

SIGN RCT filter plus:

- 35 (wheez\$ adj2 episod\$).mp. (446)
- 36 (wheez\$ adj2 infant\$).mp. (312)
- 37 (viral adj2 wheez\$).mp. (60)
- 38 (virus\$ adj3 wheez\$).mp. (42)
- 39 (episod\$ adj2 wheez\$).mp. (446)
- 40 (intermittent adj3 wheez\$).mp. (33)
- 41 exp Respiratory Tract Infections/ and exp Respiratory Sounds/ and exp Virus Diseases/ (226)
- 42 episodic viral induced wheez\$.mp. (0)
- 43 rhinovirus.mp. or exp Rhinovirus/ (2628)
- 44 exp Picornaviridae Infections/ or exp Picornaviridae/ (57926)
- 45 exp Coronavirus/ or coronavirus.mp. (7347)
- 46 metapneumovirus.mp. or exp Metapneumovirus/ (444)
- 47 chlamydia pneumoniae.mp. or exp Chlamydomphila pneumoniae/ (3411)
- 48 or/43-47 (69013)
- 49 wheez\$.mp. (6342)
- 50 48 and 49 (172)
- 51 or/35-42 (925)
- 52 50 or 51 (1020)
- 53 inhaled steroids.mp. or exp Budesonide/ or exp Beclomethasone/ or exp Glucocorticoids/ (130817)
- 54 corticosteroid\$.mp. (52097)
- 55 beclomethasone.mp. (87)
- 56 beclomethasone.mp. (2943)
- 57 budesonide.mp. (3031)
- 58 ciclesonide.mp. (119)
- 59 fluticasone.mp. (1920)
- 60 mometasone.mp. (343)
- 61 necrodomil.mp. (0)
- 62 nedocromil.mp. or Nedocromil/ (767)
- 63 chromones/ or cromolyn sodium/ (7521)
- 64 sodium cromoglycate.mp. (967)
- 65 exp histamine h1 antagonists/ or exp histamine h1 antagonists, non-sedating/ (28259)
- 66 anti-histamine\$.mp. (262)
- 67 anti histamine\$.mp. (262)
- 68 or/53-67 (199830)
- 69 34 and 52 and 68 (65)
- 70 limit 69 to yr = "2002 - 2007" (26)
- 71 from 69 keep 1-65 (65)

Later modified to include:

cetirizine.mp. or exp Cetirizine/

which produced no additional results in combination with 34 and 52 above

## KQ 28 Steroid cards

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Sources searched: Medline 1951-2007, Embase 1980-2007, Cochrane Library (full coverage), CINAHL 1982-2007, PsycINFO 1967-2007, plus the following websites: NPSA, MHRA, NPC, DH, BMJ, Asthma UK.

Medline search strategy (no filters):

- 1 exp Steroids/ (581406)
- 2 prednisolone.mp. (29834)
- 3 exp Glucocorticoids/ or inhaled steroids.mp. (130755)
- 4 or/1-3 (600859)
- 5 corticosteroid\$.mp. (52045)
- 6 (beclometasone or beclomethasone).mp. [mp=title, original title, abstract, name of substance word, subject heading word] (2962)
- 7 budesonide.mp. (3029)
- 8 ciclesonide.mp. (118)
- 9 fluticasone.mp. (1917)
- 10 mometasone.mp. (343)
- 11 or/4-10 (629394)
- 12 steroid card.mp. (0)
- 13 exp Adrenal Cortex Hormones/ae, pk, st, df [Adverse Effects, Pharmacokinetics, Standards, Deficiency] (20990)
- 14 exp Drug Monitoring/ or monitoring.mp. (243376)
- 15 11 and 14 (7421)
- 16 exp Emergency Medical Tags/ (141)
- 17 medic\$ alert.mp. (102)
- 18 alert card\$.mp. (18)
- 19 steroid alert\$.mp. (0)
- 20 steroid blue card.mp. (0)
- 21 blue card\$.mp. (3)
- 22 steroid card\$.mp. (22)
- 23 or/16-22 (248)
- 24 from 23 keep 1-72 (72)
- 25 steroid\$.mp. (194917)
- 26 11 or 25 (723465)
- 27 23 and 26 (29)
- 28 from 27 keep 1-29 (29)

Topic	Hits	1 <sup>st</sup> Sift	2 <sup>nd</sup> Sift
KQ26	943	16	5
KQ27	714	51	0
KQ28	250	16	2

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