

# Asthma Living Guideline Search Narrative - Non-Pharmacological

11 March 2003

Searches were carried out by the HTBS. The strategy is included below.

## **Searches were carried out on the key questions.**

1. Does avoidance of contact with animals reduce asthma severity? *{To specifically include cats, dogs, horses, house dust mites, rodents.}*
2. Does immunisation affect the prevalence of asthma? *{To include BCG, whooping cough, and measles vaccination.}*
3. What evidence is there that allergen immunotherapy is effective in reducing the severity of asthma?
4. What evidence is there that complementary therapies can reduce asthma severity? *{To include acupuncture, homeopathy, hypnosis, herbal medicines, breathing control / physical therapies / hyperventilation, yoga, cognitive behavioural therapy.}*
5. Does avoidance or reduction of exposure to environmental pollutants in the home / in the workplace / in the outdoor environment reduce asthma severity?
6. Does change of environment affect the prevalence of asthma? *{To include changes in height; switch between rural and urban environments; and housing conditions – particularly ventilation and dampness, speleotherapy.}*
7. What evidence is there that maternal smoking has an effect on asthma in children?
8. What evidence is there that exposure of children to cigarette smoke affects their susceptibility to asthma?
9. What evidence is there that smoking influences either the incidence or severity of asthma in children or adults?
10. What evidence is there that smoking cessation affects asthma severity?
11. Does dietary modification affect the prevalence of asthma? *{To pay particular attention to antioxidants, selenium, and lipids.}*
12. Does breast feeding affect the prevalence of asthma (both ante and post-natal)?
13. What evidence is there that weight management / control of obesity can affect asthma severity?
14. What evidence is there of a relationship between gastro-oesophageal reflux disease and the onset of / severity of asthma?

## **Ovid multifile search:**

**MEDLINE: 1966 to February Week 4 2003**

**EMBASE: 1980 to 2003 Week 9**

1. exp asthma/ use mesz (60960)
2. asthma\$.tw. use mesz (58823)
3. 1 or 2 (72040)
4. exp cats/ use mesz (100639)
5. exp dogs/ use mesz (221438)
6. exp horses/ use mesz (38696)
7. exp mites/ use mesz (6679)
8. house dust mite\$.tw. use mesz (2394)
9. exp rodentia/ use mesz (1715422)

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10. exp animals, domestic/ use mesz (8014)
11. exp desensitization, immunologic/ use mesz (4871)
12. allergen immunotherapy.tw. use mesz (225)
13. immuni?ation.tw. use mesz (43993)
14. exp immunization/ use mesz (84549)
15. exp mycobacterium bovis/ use mesz (5358)
16. bcg.tw. use mesz (10428)
17. exp pertussis vaccine/ use mesz (4610)
18. exp bcg vaccine/ use mesz (10868)
19. whooping cough.tw. use mesz (1317)
20. pertussis.tw. use mesz (21072)
21. exp measles vaccine/ use mesz (4551)
22. exp measles/ use mesz (8874)
23. or/4-10 (2026258)
24. limit 23 to human (347040)
25. or/11-22,24 (488497)
26. 3 and 25 (6009)
27. exp asthma/ use emez (56340)
28. asthma\$.tw. use emez (49207)
29. 27 or 28 (63338)
30. exp cat/ use emez (39781)
31. exp dog/ use emez (94177)
32. exp horse/ use emez (8738)
33. exp mite/ use emez (3992)
34. exp rodent/ use emez (1125560)
35. exp domestic animal/ use emez (1084)
36. house dust mite\$.tw. use emez (2145)
37. exp desensitization/ use emez (5932)
38. allergen immunotherapy.tw. use emez (276)
39. immuni?ation.tw. use emez (31671)
40. exp immunization/ use emez (58409)
41. exp mycobacterium bovis/ use emez (2062)
42. bcg.tw. use emez (7307)
43. exp pertussis vaccine/ use emez (2439)
44. exp bcg vaccine/ use emez (10535)
45. whooping cough.tw. use emez (639)
46. pertussis.tw. use emez (13272)
47. exp measles vaccination/ use emez (935)
48. exp measles/ use emez (4001)
49. or/30-36 (1254767)
50. limit 49 to human (188230)
51. or/37-48,50 (283610)
52. 29 and 51 (4253)
53. exp asthma/ use mesz (60960)
54. asthma\$.tw. use mesz (58823)
55. 53 or 54 (72040)
56. exp diet/ use mesz (94655)
57. exp food habits/ use mesz (8833)
58. dietary modification\$.tw. use mesz (710)
59. exp antioxidants/ use mesz (82470)
60. exp selenium/ use mesz (10419)
61. exp lipids/ae use mesz (13398)
62. exp breast feeding/ use mesz (14852)
63. (breast?feeding or breast feeding).tw. use mesz (9867)
64. exp obesity/ use mesz (50730)
65. exp weight loss/ use mesz (7479)

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66. weight management.tw. use mesz (356)
67. obesity.tw. use mesz (34756)
68. exp gastroesophageal reflux/ use mesz (11274)
69. gastroesophageal reflux.tw. use mesz (5921)
70. gastro-esophageal reflux.tw. use mesz (414)
71. or/56-70 (275638)
72. 55 and 71 (1892)
73. exp asthma/ use emez (56340)
74. asthma\$.tw. use emez (49207)
75. 73 or 74 (63338)
76. exp diet/ use emez (46864)
77. exp feeding behaviour/ use emez (18834)
78. dietary modification\$.tw. use emez (627)
79. exp antioxidant/ use emez (22256)
80. exp selenium/ use emez (9000)
81. exp breast feeding/ use emez (8165)
82. (breast?feeding or breast feeding).tw. use emez (6033)
83. exp obesity/ use emez (39975)
84. exp weight reduction/ use emez (15283)
85. weight management\$.tw. use emez (276)
86. obesity.tw. use emez (26882)
87. exp gastroesophageal reflux/ use emez (10128)
88. gastroesophageal reflux.tw. use emez (5159)
89. gastro-esophageal reflux.tw. use emez (421)
90. or/76-89 (162151)
91. 75 and 90 (1785)
92. exp asthma/ use mesz (60960)
93. asthma\$.tw. use mesz (58823)
94. exp air pollutants/ use mesz (32670)
95. exp environmental pollution/ use mesz (154274)
96. environmental pollut\$.tw. use mesz (2605)
97. air pollut\$.tw. use mesz (6083)
98. exp housing/ use mesz (14097)
99. exp environment/ use mesz (456054)
100. exp ventilation/ use mesz (2926)
101. exp humidity/ use mesz (7265)
102. damp\$.tw. use mesz (5123)
103. or/94-102 (588261)
104. exp fetus/ use mesz (76782)
105. exp pregnancy/ use mesz (469895)
106. pregnancy.tw. use mesz (138857)
107. exp infant, newborn/ use mesz (329903)
108. exp smoking/ use mesz (63976)
109. smok\$.tw. use mesz (76390)
110. exp tobacco smoke pollution/ use mesz (4342)
111. or/104-107 (739968)
112. or/108-110 (99433)
113. 111 and 112 (7775)
114. (mother or maternal).tw. use mesz (103789)
115. 112 and 114 (3538)
116. exp smoking cessation/ use mesz (5996)
117. (cessation or quit\$ or stop\$).tw. use mesz (68024)
118. 112 and 117 (8803)
119. or/103,112-113,115-116,118 (672146)
120. 92 or 93 (72040)
121. 119 and 120 (10169)

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122. exp asthma/ use emez (56340)
123. asthma\$.tw. use emez (49207)
124. 122 or 123 (63338)
125. exp air pollution/ use emez (36044)
126. exp pollution/ use emez (85310)
127. environmental pollut\$.tw. use emez (2628)
128. air pollut\$.tw. use emez (7451)
129. exp housing/ use emez (3336)
130. exp "air and air related phenomena"/ use emez (60623)
131. exp humidity/ use emez (6297)
132. damp\$.tw. use emez (4831)
133. or/125-132 (122997)
134. exp fetus/ use emez (83813)
135. exp pregnancy/ use emez (130116)
136. pregnancy.tw. use emez (99392)
137. exp newborn/ use emez (138887)
138. exp smoking/ use emez (29680)
139. exp "smoking and smoking related phenomena"/ use emez (52901)
140. smok\$.tw. use emez (62968)
141. exp tobacco smoke/ use emez (4393)
142. or/134-137 (326910)
143. or/138-141 (76571)
144. 142 and 143 (4827)
145. (mother or maternal).tw. use emez (78797)
146. 143 and 145 (3017)
147. exp smoking cessation/ use emez (7883)
148. (cessation or quit\$ or stop\$).tw. use emez (57769)
149. 143 and 148 (7509)
150. or/133,143-144,146-147,149 (196110)
151. 124 and 150 (5550)
152. Randomized Controlled Trials/ use mesz (26862)
153. randomized controlled trial.pt. use mesz (170324)
154. Random Allocation/ use mesz (47362)
155. Double-Blind Method/ use mesz (72058)
156. Single-Blind Method/ use mesz (7000)
157. clinical trial.pt. use mesz (349153)
158. exp Clinical Trials/ use mesz (141141)
159. or/152-158 (441315)
160. (clinic\$ adj trial\$1).tw. use mesz (68122)
161. ((singl\$ or doubl\$ or treb\$ or tripl\$) adj (blind\$3 or mask\$3)).tw. use mesz (68761)
162. PLACEBOS/ use mesz (22286)
163. placebo\$.tw. use mesz (76244)
164. randomly allocated.tw. use mesz (6963)
165. (allocated adj2 random).tw. use mesz (598)
166. or/160-165 (177074)
167. 159 or 166 (485344)
168. case report.tw. use mesz (91295)
169. letter.pt. use mesz (493144)
170. historical article.pt. use mesz (200677)
171. review of reported cases.pt. use mesz (46403)
172. review, multicase.pt. use mesz (7240)
173. or/168-172 (823170)
174. 167 not 173 (469013)
175. Clinical Trial/ use emez (254783)
176. Randomized Controlled Trial/ use emez (72245)
177. exp RANDOMIZATION/ use emez (5640)

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- 178. Single Blind Procedure/ use emez (4054)
- 179. Double Blind Procedure/ use emez (46826)
- 180. Crossover Procedure/ use emez (13321)
- 181. PLACEBO/ use emez (61918)
- 182. randomi?ed controlled trial\$.tw. use emez (11213)
- 183. rct.tw. use emez (732)
- 184. random allocation.tw. use emez (440)
- 185. randomly allocated.tw. use emez (6542)
- 186. allocated randomly.tw. use emez (1067)
- 187. (allocated adj2 random).tw. use emez (542)
- 188. single blind\$.tw. use emez (4977)
- 189. double blind\$.tw. use emez (60122)
- 190. ((treble or triple) adj blind\$.tw. use emez (81)
- 191. placebo\$.tw. use emez (73078)
- 192. Prospective Study/ use emez (27898)
- 193. or/175-192 (364320)
- 194. Case Study/ use emez (3008)
- 195. case report.tw. use emez (75023)
- 196. abstract report/ use emez or letter/ use emez (319944)
- 197. or/194-196 (396930)
- 198. 193 not 197 (351819)
- 199. 26 and 174 (689)
- 200. 52 and 198 (606)
- 201. 72 and 174 (185)
- 202. 91 and 198 (272)
- 203. 121 and 174 (934)
- 204. 151 and 198 (479)
- 205. or/199-204 (2793)
- 206. limit 205 to yr= 2001-2004 (580)
- 207. remove duplicates from 206 (490)

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