Search Flow Chart: Asthma 2015/16 update

Systematic Reviews & RCTs all KQs

<table>
<thead>
<tr>
<th>Section</th>
<th>No. SRs</th>
<th>No. RCTs</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>Self management</td>
<td>10</td>
<td>27</td>
<td>37</td>
</tr>
<tr>
<td>Non-pharmacological management</td>
<td>78</td>
<td>97</td>
<td>175</td>
</tr>
<tr>
<td>Pharmacological management</td>
<td>96</td>
<td>248</td>
<td>344</td>
</tr>
<tr>
<td>Acute asthma</td>
<td>17</td>
<td>41</td>
<td>58</td>
</tr>
<tr>
<td>Difficult asthma</td>
<td>13</td>
<td>7</td>
<td>20</td>
</tr>
<tr>
<td>Occupational asthma</td>
<td>7</td>
<td>2</td>
<td>9</td>
</tr>
<tr>
<td>Organisation and delivery of care</td>
<td>18</td>
<td>53</td>
<td>71</td>
</tr>
</tbody>
</table>

Initial Return = 10,683
Sifted results = 735
Duplicates = 3,522
Irrelevant = 6,426

All study designs for diagnosis section KQs (KQ128)

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Initial Return = 4,498
Sifted results = 182
Duplicates = 464
Irrelevant = 3,852

Retrieved results (sifted results) were grouped into categories based on chapters within the asthma guideline that were being updated:
KQ17 (non-pharmacological management)

Systematic reviews & RCTs from sifted results = 175

Selected by group = 1

Evidence Table
0 included studies

174 excluded by group for irrelevance

1 excluded for poor methodological quality
KQ24 (non-pharmacological management)

Systematic reviews &
RCTs from sifted results
= 175

164 excluded by
group for irrelevance

Selected by group = 11

5 studies excluded for
poor methodological
quality

Evidence Table
3 SRs + 3 RCTs
KQ29 (pharmacological management)

Systematic reviews & RCTs from sifted results = 344

342 excluded by group for irrelevance

Selected by group = 2

0 excluded for poor methodological quality

Evidence Table

2 from search
KQ30 (pharmacological management)

Systematic reviews & RCTs from sifted results = 344

306 excluded by group for irrelevance

Selected by group = 36

13 excluded for poor methodological quality

Evidence Table

23 from search
KQ31 (pharmacological management)

Systematic reviews & RCTs from sifted results = 344

342 excluded by group for irrelevance

Selected by group = 2

1 excluded for poor methodological quality

Evidence Table

1 from search
KQ34 (pharmacological management)

Systematic reviews & RCTs from sifted results = 344

332 excluded by group for irrelevance

Selected by group = 12

4 excluded for poor methodological quality

Evidence Table
8 from search
KQ37 (pharmacological management)

Systematic reviews & RCTs from sifted results = 344

339 excluded by group for irrelevance

Selected by group = 5

3 excluded for poor methodological quality

Evidence Table
2 from search
KQ42 (pharmacological management)

Systematic reviews & RCTs from sifted results = 344

338 excluded by group for irrelevance

Selected by group = 5

0 excluded for poor methodological quality

Evidence Table

5 from search
KQ48 (pharmacological management)

Systematic reviews & RCTs from sifted results = 344

337 excluded by group for irrelevance

Selected by group = 7

5 excluded for poor methodological quality

Evidence Table

2 from search
KQ49 (pharmacological management)

Systematic reviews & RCTs from sifted results = 344

335 excluded by group for irrelevance

Selected by group = 9

5 excluded for poor methodological quality

Evidence Table
4 from search
KQ69 (acute asthma)

Systematic reviews & RCTs sifted results = 58

Selected by group = 9

Evidence Table
2 SRs + 3 RCTs

49 SR excluded by group for irrelevance

3 excluded for relevance to patient group
1 excluded for language
KQ69A (acute asthma)

Systematic reviews & RCTs sifted results = 58

18 SR excluded by group for irrelevance

SRs Selected by group = 10

2 SRs rejected for lack of relevance to KQ.

RCTs/ observational studies
Selected by group = 27

3 RCTs/ observational studies excluded for poor methodological quality
7 rejected as irrelevant to KQ
3 unavailable in fulltext

Evidence Table
8 SRs + 12 RCTs + 2 Non-comparative
KQ71 (acute asthma)

Systematic reviews & RCTs sifted results = 58

55 excluded by group for irrelevance

Selected by group = 3

0 excluded for poor methodological quality

Evidence Table
3 RCTs
KQ77 (acute asthma)

Systematic reviews & RCTs sifted results = 58

Selected by group = 1

Evidence Table
1 from search

57 excluded by group for irrelevance

0 excluded for poor methodological quality
KQ79 (acute asthma)

Systematic reviews & RCTs sifted results = 58

Reviews Selected by group = 2

1 review rejected for relevance

54 excluded by group for irrelevance

Additional searching for RCTs / observational studies.
Initial return = 1391
Sifted results = 7

5 RCTs/ Observational studies excluded by group for irrelevance

2 Observational studies selected by group

Evidence Table
1 Review + 2 Observational
KQ80 (acute asthma) – specific search conducted for this KQ

Initial Return = 1,244
Sifted results = 16

Duplicates = 470
Irrelevant = 758

All study types sifted results = 15

0 excluded by group for irrelevance

Selected by group = 15

9 excluded for poor methodological quality

Evidence Table
6 studies
KQ81 (acute asthma) – specific search conducted for this KQ

Initial Return = 1,244
Sifted results = 16

Duplicates = 470
Irrelevant = 758

All study types sifted results = 15

0 excluded by group for irrelevance

Selected by group = 15

Evidence Table
7 studies

8 excluded for poor methodological quality
KQ89 (difficult asthma)

**Systematic reviews & RCTs sifted results = 20**

Additional search (observational) = 42

Selected by group = 3

59 excluded by group for irrelevance

2 excluded for poor methodological quality

Evidence Table

1 study
KQ93 (difficult asthma)

Systematic reviews & RCTs sifted results = 20
Additional search (observational) = 42
Selected by group = 3
Evidence Table
3 studies

59 excluded by group for irrelevance
0 excluded for poor methodological quality
KQ115 (occupational asthma)

Systematic reviews & RCTs sifted results = 9
Studies from group = 13

Selected by group = 20

Additional searching for observational studies.
Initial return = 211
Sifted results = 66

Observational studies
Selected by group = 12

Evidence Table
3 observational studies

2 excluded by group for irrelevance

20 excluded for poor methodological quality

54 Observational studies excluded by group for irrelevance

9 observational studies excluded for poor methodological quality
KQ116 (occupational asthma)

Systematic reviews & RCTs sifted results = 9
Studies from group = 13

SRs Selected by group = 20

2 excluded by group for irrelevance

20 excluded for poor methodological quality

Additional searching for observational studies.
Initial return = 211
Sifted results = 66

54 Observational studies excluded by group for irrelevance

Observational studies
Selected by group = 12

9 observational studies excluded for poor methodological quality

Evidence Table
3 observational studies
KQ123 (organisation and delivery of care/self-management)

Systematic reviews & RCTs sifted results = 71

49 excluded by group for irrelevance

Selected by group = 22

Group added in 15 studies from previous guideline and PRISMS review.

2 SR studies excluded by group for irrelevance
4 SRs excluded for poor quality
1 SR excluded as duplicate
1 RCTs/observational studies excluded for irrelevance to KQ

Evidence Table
18 SRs + 11 RCTs
All study types from sifted results = 182 → 162 excluded by group for irrelevance

Selected by group = 20 → 5 excluded for poor methodological quality

Evidence Table
15 studies from search
KQ131 (acute asthma) – specific search conducted for this KQ

- Initial Return = 1,244
- Sifted results = 26
- Duplicates = 470
- Irrelevant = 748

All study types sifted results = 26

Selected by group = 17
- 9 excluded by group for irrelevance
- 13 excluded for poor methodological quality

Evidence Table
4 studies
KQ132 (acute asthma)

Systematic reviews & RCTs sifted results = 58

4 SRs Selected by group
4 RCT/Obs studies selected by group.

1 excluded for poor methodological quality
1 rejected for relevance

Additional searching for RCTs / observational studies.
Initial return =372
Sifted results = 32

30 RCTs/ Observational studies excluded by group for irrelevance

RCTs/ observational studies Selected by group =2

Evidence Table
4SRs + 1 RCTs + 3 Observational
KQ134 (pharmacological management)

Systematic reviews & RCTs from sifted results = 344

342 excluded by group for irrelevance

Selected by group = 2

0 excluded for poor methodological quality

Evidence Table
2 SR
KQ135 (self-management) – specific search conducted for this KQ

Initial Return = 1,303
Sifted results (self-management topic) = 74

All study types sifted results (KQ135) = 48

Selected by group = 29

Evidence Table
9 studies

Duplicates = 497
Irrelevant = 732

19 excluded by group for irrelevance

20 excluded for poor methodological quality
KQ135A (self-management) – specific search conducted for this KQ

Initial Return = 1,303
Sifted results (self-management topic) = 74

Duplicates = 497
Irrelevant = 732

All study types sifted results (KQ135A) = 26

6 excluded by group for irrelevance

Selected by group = 20

8 excluded for poor methodological quality

Evidence Table
12 studies