

## **b) Web appendix: Literature Search details**

Sources to be searched for the guidelines;

Cochrane Database of Systematic Reviews (CDSR)  
Database of Abstracts of Reviews of Effects (DARE)  
MEDLINE  
EMBASE

Dates searched: 1980 onwards

All study types

English language only

Four search strategies used- COPD, bronchiectasis, restrictive lung disease, and asthma.

### **1.COPD search**

#### **Cochrane Library (includes CDSR and DARE)**

<http://www.thecochranelibrary.com>

Searched online 05/08/11

#1 MeSH descriptor Pulmonary Disease, Chronic Obstructive explode all trees 1669

#2 (COPD or "chronic obstructive pulmonary disease" or "pulmonary disease, chronic obstructive"):ti,ab 6357

#3 ("chronic obstructive airway\* disease" or "chronic airflow limitation"):ti,ab 132

#4 ("chronic obstructive lung disease" or "lung disease, chronic obstructive"):ti,ab 786

#5 (#1 OR #2 OR #3 OR #4) 7042

#6 (pulmonary near/3 rehabilitat\*):ti,ab 453

#7 (#5 AND #6) 365

#8 MeSH descriptor Pulmonary Disease, Chronic Obstructive, this term only with qualifier:  
RH 235

#9 (#7 OR #8) 481

#10 (#7 OR #8), from 1980 to 2011 30

Of 30 results 9 were from Cochrane Database of Systematic Reviews (CDSR) and 21 from Database of Reviews of Effects (DARE).

#### **MEDLINE**

Searched 05/08/11 via OVID interface

Ovid MEDLINE(R) <1948 to July Week 4 2011>

1 exp Pulmonary Disease, Chronic Obstructive/ (16419)

2 (COPD or "chronic obstructive pulmonary disease" or "pulmonary disease, chronic obstructive").ti,ab. (25628)

3 ("chronic obstructive airway\$ disease" or "chronic airflow limitation").ti,ab. (915)

4 ("chronic obstructive lung disease" or "lung disease, chronic obstructive").ti,ab. (2494)

- 5 1 or 2 or 3 or 4 (31618)
- 6 (pulmonary adj3 rehabilitat\$).ti,ab. (1507)
- 7 5 and 6 (1023)
- 8 \*Pulmonary Disease, Chronic Obstructive/rh [Rehabilitation] (735)
- 9 7 or 8 (1343)
- 10 limit 9 to (english language and yr="1980 - 2011") (1127)

## EMBASE

Searched 05/08/11 via OVID interface

Embase <1980 to 2011 Week 30>

- 1 exp chronic obstructive lung disease/ (51618)
- 2 (COPD or "chronic obstructive pulmonary disease" or "pulmonary disease, chronic obstructive").ti,ab. (32905)
- 3 ("chronic obstructive airway\$ disease" or "chronic airflow limitation").ti,ab. (1116)
- 4 ("chronic obstructive lung disease" or "lung disease, chronic obstructive").ti,ab. (2956)
- 5 1 or 2 or 3 or 4 (57587)
- 6 (pulmonary adj3 rehabilitat\$).ti,ab. (2037)
- 7 5 and 6 (1508)
- 8 \*chronic obstructive lung disease/rh [Rehabilitation] (1886)
- 9 7 or 8 (2581)
- 10 limit 9 to (english language and yr="1980 - 2011") (1931)

## Results

Database	Results	After deduplication	Custom 4 field
Cochrane Database of Systematic Reviews	9	9	main search Cochrane Database of Systematic Reviews 05/08/11
Database of Abstracts of Reviews of Effects	21	21	main search DARE (non-Cochrane systematic reviews) 05/08/11
MEDLINE	1343	1085	main search Medline 05/08/11
EMBASE	1931	972	main search Embase 05/08/11
<b>Total</b>	<b>3304</b>	<b>2087</b>	

2087 results saved to Endnote X3 library bts pulmonary rehab.enl

## 2. Bronchiectasis search

### Cochrane Library (includes CDSR and DARE)

<http://www.thecochranelibrary.com>

Searched online 11/08/11

#1 (pulmonary near/3 rehabilitat\*):ti,ab 453

#2 MeSH descriptor Bronchiectasis explode all trees 124

#3 bronchiectasis:ti,ab 240

#4 "kartagener syndrome":ti,ab 0

#5 (#2 OR #3 OR #4) 275

#6 (#1 AND #5), from 1980 to 2011 7

Of 7 results in entire Cochrane Library 1 was from Cochrane Database of Systematic Reviews (CDSR) and none from Database of Reviews of Effects (DARE).

### MEDLINE

Searched 11/08/11 via OVID interface

Ovid MEDLINE(R) <1948 to August Week 1 2011>

1 (pulmonary adj3 rehabilitat\$).ti,ab. (1510)

2 exp Bronchiectasis/ (6778)

3 bronchiectasis.ti,ab. (5128)

4 "kartagener syndrome".ti,ab. (170)

5 2 or 3 or 4 (8706)

6 1 and 5 (17)

7 limit 6 to (english language and yr="1980 - 2011") (13)

### EMBASE

Searched 11/08/11 via OVID interface

Embase <1980 to 2011 Week 31>

1 (pulmonary adj3 rehabilitat\$).ti,ab. (2039)

2 exp Bronchiectasis/ (10031)

3 bronchiectasis.ti,ab. (6097)

4 "kartagener syndrome".ti,ab. (198)

5 2 or 3 or 4 (11405)

6 1 and 5 (37)

7 limit 6 to (english language and yr="1980 - 2011") (30)

## Results

Database	Results	After deduplication	Custom 4 field
Cochrane Database of Systematic Reviews	1	1	Q9 bronchiectasis CDSR 12/08/11
Database of Abstracts of Reviews of Effects	0	0	
MEDLINE	13	12	Q9 bronchiectasis medline 12/08/11
EMBASE	30	16	Q9 bronchiectasis embase 12/08/11
<b>Total</b>	<b>44</b>	<b>29</b>	

29 results saved to Endnote X3 library bts pulmonary rehab.enl were not deduplicated against the results of the COPD, restrictive lung disease or asthma searches.

### 3. Restrictive lung disease search

#### Cochrane Library (includes CDSR and DARE)

<http://www.thecochranelibrary.com>

Searched online 11/08/11

#1 (pulmonary near/3 rehabilitat\*):ti,ab 453

#2 MeSH descriptor Idiopathic Interstitial Pneumonias explode all trees 13

#3 "idiopathic pulmonary fibrosis":ti,ab 127

#4 "Idiopathic interstitial pneumonia":ti,ab 7

#5 MeSH descriptor Sarcoidosis explode all trees 105

#6 sarcoidosis:ti,ab 168

#7 MeSH descriptor Pulmonary Eosinophilia explode all trees 23

#8 "Eosinophilic pneumonia":ti,ab 1

#9 MeSH descriptor Lymphangiomyomatosis explode all trees 4

#10 lymphangiomyomatosis\*:ti,ab 4

#11 MeSH descriptor Histiocytosis, Langerhans-Cell explode all trees 10

#12 "pulmonary Langerhans cell histiocytosis":ti,ab 1

#13 MeSH descriptor Pulmonary Alveolar Proteinosis explode all trees 2

#14 "pulmonary alveolar proteinosis":ti,ab 3

#15 (#2 OR #3 OR #4 OR #5 OR #6 OR #7 OR #8 OR #9 OR #10 OR #11 OR #12 OR #13 OR #14) 350

#16 (#1 AND #15), from 1980 to 2011 7

Of 7 results in entire Cochrane Library none were from Cochrane Database of Systematic Reviews (CDSR) or from Database of Reviews of Effects (DARE).

### **MEDLINE**

Searched 11/08/11 via OVID interface

Ovid MEDLINE(R) <1948 to August Week 1 2011>

- 1 (pulmonary adj3 rehabilitat\$).ti,ab. (1510)
- 2 exp Idiopathic Interstitial Pneumonias/ (1240)
- 3 "idiopathic pulmonary fibros\$".ti,ab. (2749)
- 4 "Idiopathic interstitial pneumonia\$".ti,ab. (617)
- 5 exp Sarcoidosis/ (19537)
- 6 sarcoidosis.ti,ab. (16735)
- 7 exp Pulmonary Eosinophilia/ (2141)
- 8 "Eosinophilic pneumonia\$".ti,ab. (796)
- 9 exp Lymphangioliomyomatosis/ (712)
- 10 lymphangioliomyomatosis\$.ti,ab. (832)
- 11 exp Histiocytosis, Langerhans-Cell/ (6349)
- 12 "pulmonary Langerhans\$ cell histiocytosis\$".ti,ab. (159)
- 13 exp Pulmonary Alveolar Proteinosis/ (1181)
- 14 "pulmonary alveolar proteinosis\$".ti,ab. (921)
- 15 2 or 3 or 4 or 5 or 6 or 7 or 8 or 9 or 10 or 11 or 12 or 13 or 14 (35891)
- 16 1 and 15 (16)
- 17 limit 16 to (english language and yr="1980 - 2011") (11)

### **EMBASE**

Searched 11/08/11 via OVID interface

Embase <1980 to 2011 Week 31>

- 1 (pulmonary adj3 rehabilitat\$).ti,ab. (2039)
- 2 exp interstitial pneumonia/ (7074)
- 3 "idiopathic pulmonary fibros\$".ti,ab. (3350)
- 4 "Idiopathic interstitial pneumonia\$".ti,ab. (768)
- 5 exp Sarcoidosis/ (22878)
- 6 sarcoidosis.ti,ab. (18865)
- 7 exp Loeffler pneumonia/ (2462)
- 8 "Eosinophilic pneumonia\$".ti,ab. (977)
- 9 exp lymphangioliomyomatosis/ (1022)

- 10 lymphangioliomyomatosis\$.ti,ab. (980)
- 11 exp histiocytosis X/ (4354)
- 12 "pulmonary Langerhans\$ cell histiocytosis\$.ti,ab. (195)
- 13 exp lung alveolus proteinosis/ (1503)
- 14 "pulmonary alveolar proteinosis\$.ti,ab. (998)
- 15 2 or 3 or 4 or 5 or 6 or 7 or 8 or 9 or 10 or 11 or 12 or 13 or 14 (44441)
- 16 1 and 15 (24)
- 17 limit 16 to (english language and yr="1980 - 2011") (18)

**Results**

Database	Results	After deduplication	Custom 4 field
Cochrane Database of Systematic Reviews	0	0	
Database of Abstracts of Reviews of Effects	0	0	
MEDLINE	11	11	Q9 restrictive lung disease medline 12/08/11
EMBASE	18	8	Q9 restrictive lung disease embase 12/08/11
<b>Total</b>	<b>29</b>	<b>19</b>	

19 results saved to Endnote X3 library bts pulmonary rehab.enl were not deduplicated against the results of the COPD, bronchiectasis or asthma searches.

**4. Asthma search**

**Cochrane Library (includes CDSR and DARE)**

<http://www.thecochranelibrary.com>

Searched online 11/08/11

#1 (pulmonary near/3 rehabilitat\*):ti,ab 453

#2 MeSH descriptor Asthma explode all trees 8569

#3 asthma\*:ti,ab 17864

#4 (#2 OR #3) 18448

#5 (#1 AND #4), from 1980 to 2011 14

Of 14 results in entire Cochrane Library none were from Cochrane Database of Systematic Reviews (CDSR) and 1 was from Database of Reviews of Effects (DARE).

### MEDLINE

Searched 11/08/11 via OVID interface

Ovid MEDLINE(R) <1948 to August Week 1 2011>

- 1 (pulmonary adj3 rehabilitat\$).ti,ab. (1510)
- 2 exp Asthma/ (96007)
- 3 asthma\$.ti,ab. (101127)
- 4 2 or 3 (118985)
- 5 1 and 4 (73)
- 6 limit 5 to (english language and yr="1980 - 2011") (49)

### EMBASE

Searched 11/08/11 via OVID interface

Embase <1980 to 2011 Week 31>

- 1 (pulmonary adj3 rehabilitat\$).ti,ab. (2039)
- 2 exp Asthma/ (147677)
- 3 asthma\$.ti,ab. (124740)
- 4 2 or 3 (165715)
- 5 1 and 4 (122)
- 6 limit 5 to (english language and yr="1980 - 2011") (89)

### Results

Database	Results	After deduplication	Custom 4 field
Cochrane Database of Systematic Reviews	0	0	
Database of Abstracts of Reviews of Effects	1	1	Q9 asthma DARE 12/08/11
MEDLINE	49	47	Q9 asthma medline 12/08/11
EMBASE	89	44	Q9 asthma embase 12/08/11
<b>Total</b>	<b>139</b>	<b>92</b>	

92 results saved to Endnote X3 library bts pulmonary rehab.enl were not deduplicated against the results of the COPD, bronchiectasis or restrictive lung disease searches.