Interventions to improve engagement with self-management and education for people with Idiopathic Pulmonary Fibrosis

Cochrane Airways Scoping Search Report

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Introduction to the scoping search report
This scoping search report describes the methods and results of scoping activities undertaken by Cochrane Airways on interventions to improve engagement with self-management and education for people with idiopathic pulmonary fibrosis (IPF). This topic was identified as priority by the Cochrane Airways Priority Setting Group as part of the Cochran Airways ‘whole of scope’ priority setting exercise conducted in 2019/2020.

This scoping search report does not attempt to appraise or synthesise the included studies. It provides a summary of the existing evidence on this topic.

Purpose
The purpose of this scoping search report is:

- to assess what evidence exists for this topic
- to inform the development of future Cochrane Review titles
- to provide a transparent record of scoping work undertaken by Cochrane Airways

Study inclusion criteria
Population: people with idiopathic pulmonary fibrosis (IPF) and other interstitial lung diseases (ILD)

Intervention: any self-management intervention

Comparator: any

Outcomes: any

Study design: Systematic reviews, randomised controlled trials (RCTs), quasi-RCTs

Literature search
A limited literature search was conducted in CENTRAL, MEDLINE and Epistemonikos to identify relevant systematic reviews, randomised and quasi-randomised trials. The search strategies can be found in the appendix. Searches were conducted on 22nd April 2020.

Assessment of search results
The search retrieved a total of 172 references. After deduplication, 158 references remained. These were imported into Rayyan for title and abstract screening. One member of the Cochrane Airways team (LS) screened the titles and abstracts and checked full-text if necessary to identify relevant study reports.

Included studies
The search did not identify any relevant systematic reviews, randomised or quasi-randomised controlled trials.

Four related studies were identified: a feasibility study of daily home spirometry for people with ILD, a descriptive study of dyspnea self-management in chronic lung diseases, a feasibility study of home monitoring in IPF, and a single-group patient education intervention for children with ILD and their caregivers. The references for these studies are listed in the References section.
References

Systematic reviews
None found

Randomised & quasi-randomised controlled trials
None found

Other
Johannson KA, Vittinghoff E, Morisset J, Lee JS, Balmes JR, Collard HR. Home monitoring improves endpoint efficiency in idiopathic pulmonary fibrosis *European respiratory journal* **2017**: 50 (1)

Nield M. Dyspnea self-management in African Americans with chronic lung disease *Heart & lung* **2000**: 29 (1); 50-55


### Appendix: Database search strategies

Ovid MEDLINE(R) ALL <1946 to April 21, 2020>

Search history sorted by search number ascending

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22 not 25 4132752
14 and 26 99

CENTRAL via Cochrane Register of Studies

#1 MESH DESCRIPTOR Lung Diseases, Interstitial EXPLODE ALL AND CENTRAL:TARGET 750
   (interstitial* or diffuse* or parenchymal*) near3 (lung* or disease* or pneumon*):ti,ab AND CENTRAL:TARGET

#2 ((pulmonary* or lung* or alveoli*) near3 (fibros* or fibrot*)):ti,ab AND CENTRAL:TARGET 1973

#3 ILD or IPF:ti,ab AND CENTRAL:TARGET 1358

#4 #1 OR #2 OR #3 OR #4 AND CENTRAL:TARGET 4283

#6 MESH DESCRIPTOR Self-Management EXPLODE ALL AND CENTRAL:TARGET 323

#7 MESH DESCRIPTOR Self Care EXPLODE ALL AND CENTRAL:TARGET 5568

#8 (self-manag* or "self manag"):ti,ab AND CENTRAL:TARGET 7329

#9 (self-car* or "self car"):ti,ab AND CENTRAL:TARGET 4560

#10 MESH DESCRIPTOR Patient Education as Topic EXPLODE ALL AND CENTRAL:TARGET 8763

#11 MESH DESCRIPTOR Education AND CENTRAL:TARGET 754

#12 educat*:ti,ab AND CENTRAL:TARGET 57503

#13 #6 OR #7 OR #8 OR #9 OR #10 OR #11 OR #12 71061

#14 #13 AND #5 70

Epistemonikos

((title:(self-management OR education) OR abstract:(self-management OR education)) AND
 (title:(IPF OR ILD OR interstitial lung disease OR pulmonary fibrosis) OR abstract:(IPF OR ILD OR interstitial lung disease OR pulmonary fibrosis)))