

Project scope: Community based respiratory care services for patients with chronic respiratory conditions

22 August 2022

Research questions

1. What is the clinical effectiveness and safety of *community based respiratory care services* for patients with chronic respiratory conditions?
2. What is the cost effectiveness of *community respiratory teams* for patients with chronic respiratory conditions?
3. What are patient experiences and preferences in relation to *community based respiratory care services* for chronic respiratory conditions?

Inclusion criteria

The selection of studies for inclusion in the literature review element of the project will be based on the following criteria:

| | |
|---------------------|---|
| Population | Adults Chronic obstructive pulmonary disease (COPD), asthma, interstitial lung disease (ILD) or bronchiectasis |
| Intervention | Community respiratory team Community based respiratory care/service Primary care based respiratory care/service Supported self-management (<i>main interest is in who is delivering the self-management support</i>) |

| | |
|-------------------|---|
| | Hospital at home Home care |
| Comparator | Acute care |
| Outcomes | Hospital admissions* Cost savings/cost effectiveness/resource use* Acute symptom exacerbation frequency* Quality of life* Safety/adverse events Patient experience, opinions, views, preferences etc Weight loss/malnutrition Exercise tolerance (e.g. 6MWT) Pulmonary rehabilitation Self-management Health and care inequalities Early supported discharge from acute care |
| Limits | English language Study types: <ul style="list-style-type: none"> • Systematic review and meta-analyses for clinical effectiveness and safety outcomes (at least initially) • Economic evaluations • Qualitative research on patient aspects Published 2000-current |

Exclusion criteria

The selection of studies for inclusion in the literature review element of the project will be based on the following criteria:

| | |
|---------------------|--|
| Population | Children and young people Acute respiratory conditions |
| Intervention | Individual self-management tools e.g. apps for asthma self-management Telemedicine/telehealth delivery of specific interventions e.g. exercise (could potentially include telehealth delivery of MDT pulmonary rehabilitation at home?) Specific interventions that are not part of a wider respiratory community service or care pathway e.g. home oxygen therapy |
| Comparator | |
| Outcomes | |
| Limits | Non-English language Wrong study design |

Planned activities

SHTG have agreed on the following activities to support the development of SHTG Recommendations on community respiratory care services for patients with chronic respiratory conditions:

1. Evidence review of the published literature on clinical effectiveness, cost effectiveness, safety and patient aspects relation to community respiratory care services for patients with chronic respiratory conditions.
2. De novo economic modelling on the cost effectiveness of community respiratory teams for patients with chronic respiratory conditions in Scotland.
3. Engaging with the topic referrer to obtain Scotland-specific data for the economic modelling.
4. Producing a recommendation from SHTG Council on community respiratory care services for patients with chronic respiratory conditions in Scotland.
5. Development of a plain language version of the evidence review.
6. Patient organisation involvement to represent the patient perspective.
7. Engagement with clinical experts through peer review of the literature review and consultation on the draft recommendation.

End products

At the end of the project, SHTG will publish:

- SHTG Recommendations
- Plain language summary
- Expert comments from peer review

Timescales (approximate)

6-9 months from agreement of scope