

# What are the attitudes and opinions of healthcare staff and patients living with post-tuberculosis lung disease in Kyrgyzstan regarding Pulmonary Rehabilitation?

Submission date	Recruitment status	<input checked="" type="checkbox"/> Prospectively registered
28/08/2019	No longer recruiting	<input checked="" type="checkbox"/> Protocol
Registration date	Overall study status	<input type="checkbox"/> Statistical analysis plan
12/09/2019	Completed	<input checked="" type="checkbox"/> Results
Last Edited	Condition category	<input type="checkbox"/> Individual participant data
06/10/2022	Respiratory	

## Plain English summary of protocol

### Background and study aims

Tuberculosis is a major cause of morbidity and mortality. Pulmonary Rehabilitation includes exercise training, education and behaviour change support and has been successfully employed in health care institutions to improve the quality of life in patients with chronic lung disease. Little is known about the effect of Pulmonary Rehabilitation on patients living with Tuberculosis. In order for Pulmonary Rehabilitation to be successful, patient buy-in or motivation is important to ensure patient uptake and completion is maximised. Furthermore, the specific details surrounding a culturally appropriate Pulmonary Rehabilitation programme are unknown. Information will be collected from patients that are suitable for attending Pulmonary Rehabilitation regards their opinions and perceptions, to optimise uptake in a culturally appropriate Pulmonary Rehabilitation programme. Similarly, it is important that the healthcare workers support the implementation of a clinical Pulmonary Rehabilitation programme. At present, the awareness and opinions of healthcare workers in Kyrgyzstan is unknown. Collecting this data will enhance the implementation of a Pulmonary Rehabilitation programme in Kyrgyzstan.

### Who can participate?

Patients diagnosed with post-tuberculosis lung disease or healthcare professionals working with patients with chronic respiratory disease

### What does the study involve?

Participants will answer a questionnaire on their attitudes and opinions regarding Pulmonary Rehabilitation

### What are the possible benefits and risks of participating?

Benefits of participation are to contribute to informing the need for and potential design of pulmonary rehabilitation in Kyrgyzstan. There are no risks to participation.

Where is the study run from?

1. National Center of Cardiology and Internal Medicine Kyrgyzstan
2. Bishkek City TB Hospital Kyrgyzstan

When is the study starting and how long is it expected to run for?

April 2018 to March 2021

Who is funding the study?

National Institute for Health Research (NIHR), UK

Who is the main contact?

Dr Mark Orme

[mwo4@leicester.ac.uk](mailto:mwo4@leicester.ac.uk)

## Contact information

**Type(s)**

Public

**Contact name**

Dr Mark Orme

**ORCID ID**

<https://orcid.org/0000-0003-4678-6574>

**Contact details**

Centre for Exercise and Rehabilitation Science  
NIHR Leicester Biomedical Research Centre- Respiratory  
Glenfield Hospital  
Groby Road  
Leicester  
United Kingdom  
LE3 9QP  
+44 (0)1162583113  
[mwo4@leicester.ac.uk](mailto:mwo4@leicester.ac.uk)

**Type(s)**

Scientific

**Contact name**

Dr Mark Orme

**ORCID ID**

<https://orcid.org/0000-0003-4678-6574>

**Contact details**

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Groby Road  
Leicester

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LE3 9QP  
+441162583113  
mwo4@leicester.ac.uk

## Additional identifiers

### Clinical Trials Information System (CTIS)

Nil known

### ClinicalTrials.gov (NCT)

Nil known

### Protocol serial number

Version 1

## Study information

### Scientific Title

The attitudes and opinions of healthcare staff and patients living with post-tuberculosis lung disease regards the delivery of a clinical pulmonary rehabilitation programme: Global RECHARGE Kyrgyzstan

### Acronym

Global RECHARGE Kyrgyzstan (Survey)

### Study objectives

Despite being a common treatment for chronic lung disease in high income countries, Pulmonary Rehabilitation is not often implemented in low and middle income countries. Data is needed surrounding the perspectives and opinions of medical staff and patients living with chronic lung disease regards implementing and creating a clinical Pulmonary Rehabilitation service.

### Ethics approval required

Old ethics approval format

### Ethics approval(s)

Approved 16/09/2019, University of Leicester Ethics Committee (The University of Leicester, University Road, Leicester, LE1 7RH, United Kingdom; +44 (0)1162522522; ethicsapp@leicester.ac.uk), ref: 22293

### Study design

Multi-centre observational cross-sectional trial

### Primary study design

Observational

### Study type(s)

Other

### Health condition(s) or problem(s) studied

## Post-tuberculosis lung disease

### Interventions

This is a questionnaire study that will seek to collect the attitudes and opinions on of participants living with post-TB lung disease and health-care professionals regarding pulmonary rehabilitation. Participants will be asked to complete a questionnaire only. There is no follow-up for this study.

### Intervention Type

Other

### Primary outcome(s)

The questionnaire data will be used to:

1. Understand the patients' enthusiasm for Pulmonary Rehabilitation and their preference regards delivery mode
2. Understand the attitudes and beliefs of potential referrers to Pulmonary Rehabilitation and how they might best like to receive information and refer patients into the service

### Key secondary outcome(s)

The questionnaire data will be used to:

1. Determine the need for Pulmonary Rehabilitation from patients with chronic lung disease
2. Obtain information on the mode of Pulmonary Rehabilitation that is acceptable to patients
3. Obtain information on the attitudes and beliefs of health care providers who would be potential referrers to Pulmonary Rehabilitation
4. Obtain the views of health care personnel on transfer of information and the mode of referral to the Pulmonary Rehabilitation service
5. Collect preliminary anonymous questionnaire data from potential candidates with chronic lung disease and healthcare workers on the need for Pulmonary Rehabilitation and their individual preferred modes of delivery

### Completion date

31/03/2021

## Eligibility

### Key inclusion criteria

1. Patients diagnosed with post-tuberculosis lung disease, or
2. Healthcare professionals working with patients with chronic respiratory disease

### Participant type(s)

Mixed

### Healthy volunteers allowed

No

### Age group

Adult

### Sex

All

**Total final enrolment**

214

**Key exclusion criteria**

Anyone unable to provide written informed consent

**Date of first enrolment**

17/09/2019

**Date of final enrolment**

19/12/2019

## Locations

**Countries of recruitment**

Kyrgyzstan

**Study participating centre**

**National Center of Cardiology and Internal Medicine**

3 Togolok Moldo Street

Bishkek

Kyrgyzstan

720040

**Study participating centre**

**Bishkek City TB Hospital**

211 Elebesov Street

Bishkek

Kyrgyzstan

720040

## Sponsor information

**Organisation**

University of Leicester

**ROR**

<https://ror.org/04h699437>

## Funder(s)

**Funder type**

Government

**Funder Name**

National Institute for Health Research

**Alternative Name(s)**

National Institute for Health Research, NIHR Research, NIHRresearch, NIHR - National Institute for Health Research, NIHR (The National Institute for Health and Care Research), NIHR

**Funding Body Type**

Government organisation

**Funding Body Subtype**

National government

**Location**

United Kingdom

## Results and Publications

**Individual participant data (IPD) sharing plan**

The data sharing plans for the current study are unknown and will be made available at a later date.

**IPD sharing plan summary**

Data sharing statement to be made available at a later date

**Study outputs**

Output type	Details	Date created	Date added	Peer reviewed?	Patient-facing?
<a href="#"><u>Results article</u></a>		04/02/2022	06/10/2022	Yes	No
<a href="#"><u>Protocol article</u></a>		21/02/2022	06/10/2022	Yes	No
<a href="#"><u>Abstract results</u></a>	Presented at the 2020 ERS International Congress	28/10/2020	15/08/2022	No	No
<a href="#"><u>Participant information sheet</u></a>	Participant information sheet	11/11/2025	11/11/2025	No	Yes