



# Pulmonary Rehabilitation Welcome Pack

Version 0.9



Royal College  
of Physicians

National respiratory audit  
programme (NRAP)

# Pulmonary rehabilitation

## Lead Clinician Introduction

Sally Singh is Professor of Pulmonary and Cardiac Rehabilitation at the University of Leicester. She is also Head of Pulmonary and Cardiac Rehabilitation at the University Hospitals of Leicester NHS Trust and Director of the Centre for Exercise and Rehabilitation Science, a multidisciplinary group of researchers conducting a range of research projects in the field of exercise and rehabilitation. She has been involved in the clinical delivery of pulmonary rehabilitation for a number of years and has co-chaired the recent update of the British Thoracic Society Clinical Statement on Pulmonary Rehabilitation.

She is the clinical lead for pulmonary rehabilitation as part of National Respiratory Audit Programme (NRAP).



*Sally Singh*

## Audit inclusion criteria


Include patients in the audit:

- > who are 18 years or over on the date of assessment
- > have been screened for data opt-out preferences (National Data Opt-Out scheme applies to patients in England; local opt out procedures apply for patients in Wales)
- > with a primary diagnosis of one of the following respiratory conditions:
  - COPD
  - Asthma
  - Bronchiectasis
  - Interstitial lung disease
  - Long COVID
  - Pre/post thoracic surgery (including lung volume reduction)
  - Pulmonary hypertension
  - Chronic heart failure
  - Other chronic respiratory disease

# Pulmonary rehabilitation

## Webtool


NRAP data is inputted via a system referred to as the 'webtool'. The webtool is accessed using a unique login which is provided when your account is approved for the audit.

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National respiratory audit  
programme (NRAP)

[Home](#) [Reports/QI](#) [Charts](#) [Patients](#) [Support](#)


### National Respiratory Audit Programme

**COPD secondary care**


- ▶ Visit
- ▶ Reports/QI
- ▶ Charts
- ▶ Patients

**Pulmonary rehabilitation**

- ▶ Visit
- ▶ Reports/QI
- ▶ Charts
- ▶ Patients

**Adult asthma**

- ▶ Visit
- ▶ Reports/QI
- ▶ Charts
- ▶ Patients

**Children & young people  
asthma**

- ▶ Visit
- ▶ Reports/QI
- ▶ Charts
- ▶ Patients

## Audit user role / access level

Each user is assigned a 'user role' related to their use of the system they are accessing.

Assigning appropriate user roles is an important part of the system security model.

For National Respiratory Audit Programme (NRAP) audits there are two audit user roles / access levels:

- > Lead clinician
- > Data inputter

Different user roles have different responsibilities and functions.

## Audit user role Lead clinician

A **lead clinician** is a member of the service audit team who:

- > Has overall service/hospital responsibility for the organisation and delivery of the Pulmonary Rehabilitation (PR) audit. Including:
  - > Ensuring appropriate staff are registered to the audit in the correct role.
  - > Authorising new staff/team account request.
  - > Completing housekeeping of current authorised audit team members (i.e. deleting leavers, etc.).
  - > Quality assurance of the data entered into the audit.
  - > Ensuring the lead clinician role is passed on to another member of staff if they are unable to continue (i.e. change in workload, change in job role, etc.).
- > Able to carry out the responsibilities of a data inputter (as agreed by the service)

## Audit user role

### Data Inputter

- > A **data inputter** is a member of the service audit team who:
  - > Inputs patient data into the audit.
  - > Can edit/delete patient records entered into the audit.
  - > Collects patient information ready to input.
  - > Communicates with the NRAP team:
    - > Project manager
    - > Helpdesk team
  - > Can request new user accounts for the services NRAP audit team. *Requests can only be approved by the lead clinician.*

## People you should know

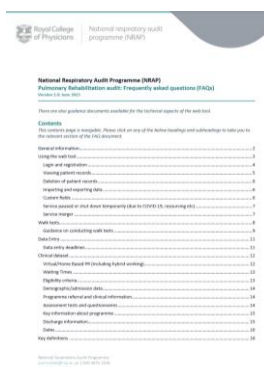
- > Within your service, there are various members of staff who support you in your submission of data. These include:
  - > The coder for respiratory patients
    - > Help to accurately identify patients who are eligible for the audit.
  - > Analysts
    - > Help you to understand the local data.
  - > BI / Information Governance team
    - > Can advise of local procedures for screening data opt-out preferences.
  - > Medical director
    - > Responsible for developing policies and strategies which could support services.



# Pulmonary rehabilitation

## Audit guidance

To support new users, the following audit guidance documents can be found on the [NRAP support for service teams webpage](#).





The **user guide** provides technical guidance on using the webtool

The **audit FAQs** answers some of the most common questions NRAP receives

The **PR NDOO FAQs** answers questions relating to the application of National Data Opt Out scheme for the PR audit from 1 April 2024

# Data collection

	
<b>Royal College of Physicians</b>	<b>National respiratory audit programme (NRAIP)</b>
<b>National Respiratory Audit Programme (NRAIP)</b>	
<b>Pulmonary rehabilitation (PR) secondary care audit – clinical audit desk</b>	
Version 01: April 2020	
<b>Contents</b>	
How to navigate this document using the interactive contents list	
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[illegible]

The **data collection sheet** is available on the webtool

## Import function

You can import audit data from a 'CSV' ('Comma Separated Value') spreadsheet data file. These files can be created by patient administration systems (PAS), MS Excel or other software. To support in the importing of audit data, there is import guidance available below (located within the 'Imports' section on the webtool):



### NRAP Import Guide

v1.10 (Feb 2024) PDF 585Kb



### NRAP Import Technical Guide

v1.10 (Feb 2024) PDF 198Kb



### NRAP Import Notes 2025

Important - Please read!  
(Jul 2025) PDF 237Kb



### PR Import Dataset v5

Import dataset specifications  
v5.0 (Jul 2025) PDF 307Kb



### PR Import Column Labels v5

Column labels/headings  
v6.0 (Jul 2025) CSV 2Kb



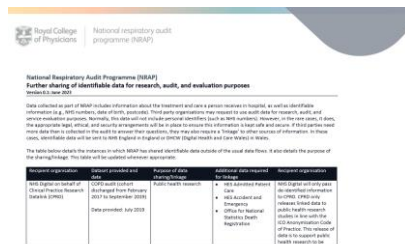
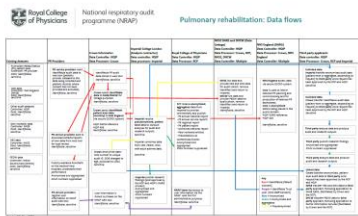
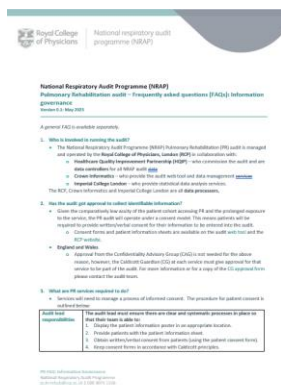
### NRAP Import Notes 2025

Important - Please read!  
(Jul 2025) PDF 237Kb

# Pulmonary rehabilitation

## Information governance

The documents below provide information on how NRAP collects, uses and shares data. They can also be found on the [NRAP support for service teams webpage](#).



Information Governance FAQs

Fair processing information

Data flow

Sharing identifiable data

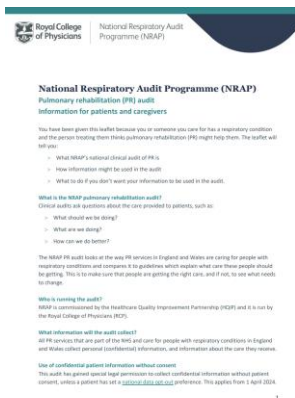


National respiratory audit programme (NRAP)

# Pulmonary rehabilitation

## Patient resources

Patients are at the heart of NRAP's work, and a number of PR resources are available for hospitals and patients/carers to access on the [NRAP patient support page](#).



PR patient information leaflet

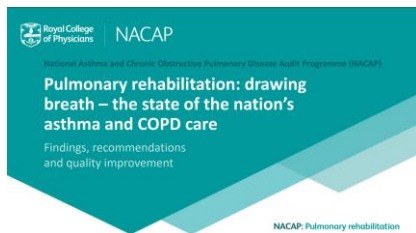


PR patient poster

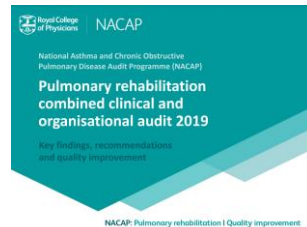
# Pulmonary rehabilitation

## Healthcare improvement

The next iteration of the healthcare improvement programme (2023 – 2026) has now commenced, you can read more about the programme here - [Healthcare quality improvement | RCP](#). Previous report key findings and recommendations can be found below.



Drawing breath: Findings, recommendations and quality improvement



PR combined clinical and organisational audit 2019

# Pulmonary rehabilitation

## Healthcare improvement

NRAP is committed to creating a sustainable framework and set of resources that empower and enable stakeholders to use data to facilitate improvements in the quality of PR. The below templates can be found on the website to support this.

Royal College of Physicians | National respiratory audit programme (NRAP)

**National Respiratory Audit Programme (NRAP)**  
Driver diagram template

Team name: \_\_\_\_\_

Aim	Primary drivers	Secondary drivers

NRAP template 2020

Driver diagram template

Royal College of Physicians | National respiratory audit programme (NRAP)

**National Respiratory Audit Programme (NRAP)**  
Setting audit aims

2020, 1st July

<b>S</b>	<b>Specific</b> Change in specific area for improvement - this could be a process measure or outcome, depending on the requirement
<b>M</b>	<b>Measurable</b> How will you know you have achieved the improvement? Consider what performance you currently achieve Remember how small steps can be important but be realistic enough for patients Remember to measure what you want to improve and not what you don't want to improve
<b>A</b>	<b>Achievable</b> Inputs and quality will be strong
<b>R</b>	<b>Realistic</b> Remember what results can realistically be achieved, given available resources Consider setting for NRAP as there will always be challenges Remember to consider the NRAP eligibility when you are in hospital and NRAP when you are in the community
<b>T</b>	<b>Time bound</b> Remember when you would like to be achieved You don't have to achieve your aim straight away but you need to agree with your team a date at which you would like to progress or that you would like to achieve


NRAP template 2020

SMART aims template

Royal College of Physicians | National respiratory audit programme (NRAP)

**National Respiratory Audit Programme (NRAP)**  
PDSA cycle template  
Version 1, June 2021

Team name: \_\_\_\_\_



What? (Hypothesis)	Process responsible
Consider your test of change What do you want to know from this test? What questions do you intend to answer?	
	When will the test take place?
	Where will the test take place?

NRAP template 2020

PDSA cycle template

## Good practice repositories

NRAP has collated a series of case studies that highlight good practices in audit data collection and provision of PR. The case studies aim to provide teams with ideas to implement best practices and improve local practice.



Elements of good practice



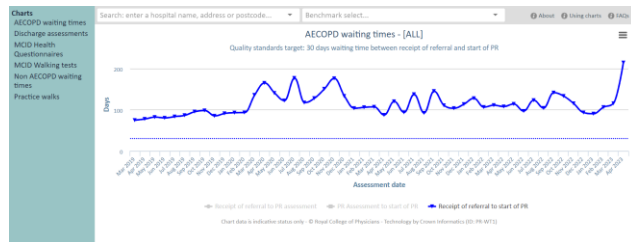
Data collection and entry



## Pulmonary rehabilitation

# Real time data

NRAP publish a series of real time data charts to show the quality of care in England and Wales. The charts are used to help drive quality improvement by providing timely feedback on service quality and compliance with national care standards. You can find the charts at <https://www.nrap.org.uk/nacap/PRcharts.nsf>



## Run chart

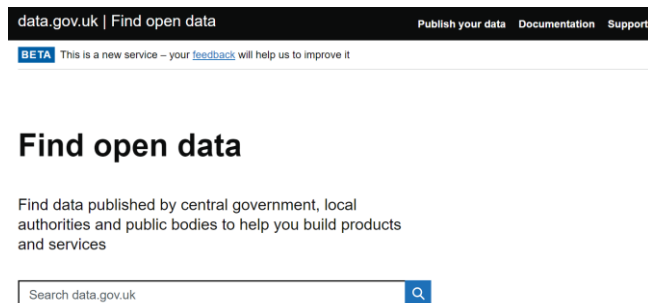


## Benchmarking table

## Transparent data

NRAP publishes full data files for all reports that are published.

These can be found at the link below.



data.gov.uk

# Pulmonary rehabilitation

## Reports



### Regional reports

The final regional report for PR was published in September 2023 and has now been replaced by benchmarking tables. Previous reports can still be found at this link.



### Outcomes

The Outcomes report presents information submitted on the 30- and 90-day outcomes of people admitted to hospitals in England and Wales for asthma or COPD. The next report will be published October 2025.

# Pulmonary rehabilitation

## Reports



### State of the nation

The state of the nation report is a single view of the care of people with asthma and COPD in England and Wales. The reports are published on a yearly basis, next due July 2026.



### Organisational audit report

This organisational report presents information on the structure and resourcing of the hospital services that are involved in the audit in England and Wales.

## Data deadlines

Deadline date	Patients assessed
3 May 2024	1 October 2023 – 31 December 2023
2 August 2024	1 January 2024 – 31 March 2024
1 November 2024	1 April 2024 – 30 June 2024
7 February 2025	1 July 2024 – 30 September 2024
9 May 2025	1 October 2024 – 31 December 2024
8 August 2025	1 January 2025 – 31 March 2025
7 November 2025	1 April 2025 – 30 June 2025
6 February 2026	1 July 2025 – 30 September 2025
7 August 2026	1 October 2025 – 31 March 2026

Please note: from February 2024 NRAP has introduced quarterly data deadlines. This is to encourage continuous data entry to ensure that real-time data charts are as up-to-date as possible

## Webtool new user support session

NRAP runs quarterly support sessions for new users to help them understand the webtool. All new users will be contacted with information on how to register for one of these sessions.

If you'd like to join a session, please contact [NRAPinbox@rcp.ac.uk](mailto:NRAPinbox@rcp.ac.uk) for more information.



## Contact details

- > For queries relating to the audit, please email us at [praudit@rcp.ac.uk](mailto:praudit@rcp.ac.uk) or [nrapinbox@rcp.ac.uk](mailto:nrapinbox@rcp.ac.uk) or phone [+44 \(0\)20 3075 1526](tel:+442030751526).
- > For technical queries, such as account access, please email [helpdesk@Crownaudit.org](mailto:helpdesk@Crownaudit.org).



## Patient identifiable information

The National Respiratory Audit Programme (NRAP) is unable to receive patient identifiable information due to our granted data permissions. If you sending a query to us, **please do not include any of the following patient identifiable information:**

- > Patient name
- > Patient DOB
- > Patient NHS number
- > Patient address (this includes postcode)
- > Patient ethnicity
- > Patient gender
- > Patient mental health status



# Thank you



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