



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



National respiratory audit
programme (NRAP)

Audit inclusion criteria

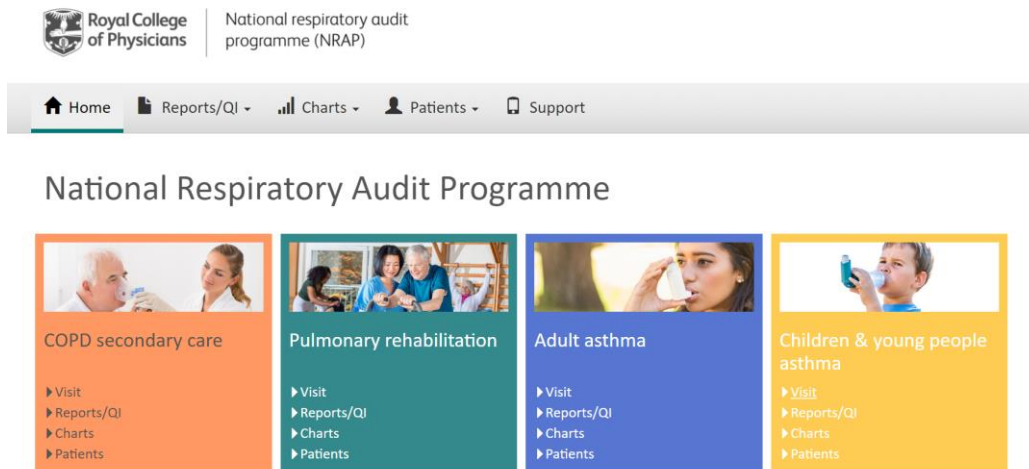
Include patients in the audit:

- > 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

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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.



The screenshot shows the NRAP webtool interface. At the top left is the Royal College of Physicians logo and the text "National respiratory audit programme (NRAP)". Below this is a navigation bar with links for Home, Reports/QI, Charts, Patients, and Support. The main content area is titled "National Respiratory Audit Programme" and features four colored tiles representing different respiratory conditions:

- COPD secondary care** (orange tile): Includes links for Visit, Reports/QI, Charts, and Patients.
- Pulmonary rehabilitation** (teal tile): Includes links for Visit, Reports/QI, Charts, and Patients.
- Adult asthma** (blue tile): Includes links for Visit, Reports/QI, Charts, and Patients.
- Children & young people asthma** (yellow tile): Includes links for Visit, Reports/QI, Charts, and 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.

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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

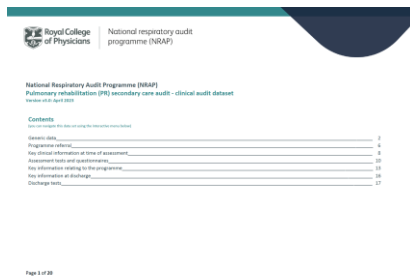


National respiratory audit programme (NRAP)

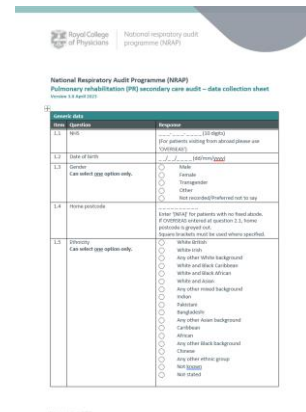
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Data collection

To support the inputting of data, there is a data collection sheet and full clinical audit dataset, including help notes, available. Both documents correspond with the questions asked on the webtool. For a patient's data to be included in the PR audit, the service must confirm the patient's data opt out preference before submitting data.



The **clinical audit dataset** can be accessed on the NRAP PR support webpage



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

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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:



PR v3 Import Dataset

Import dataset specifications
v3.00 (Aug 2023) PDF 119Kb



PR v3 Import Labels

Data file column labels/headings
v3.00 (Aug 2023) CSV 1Kb



PR v2 Import Dataset

Import dataset specifications
v2.01 (Aug 2023) PDF 135Kb



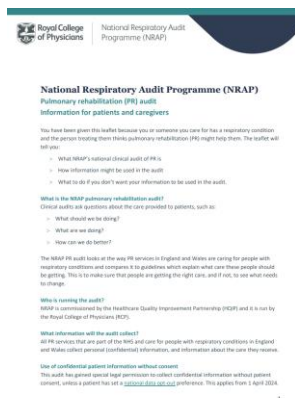
PR-v2-Import-Labels.csv

Data file column labels/headings
v2.01 (Aug 2023) CSV 1Kb

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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](#).



The screenshot shows the top of a patient information leaflet. It features the Royal College of Physicians logo and the NRAP title. The main heading is 'National Respiratory Audit Programme (NRAP) Pulmonary rehabilitation (PR) audit information for patients and caregivers'. Below this, there are several sections of text and bullet points, including 'What NRAP's national clinical audit of PR is', 'How information might be used in the audit', 'What to do if you don't want your information to be used in the audit', 'What is the NRAP pulmonary rehabilitation audit?', 'Clinical audits ask questions about the care provided to patients, such as', 'What should we be doing?', 'What are we doing?', 'How can we do better?', 'Who is running the audit?', 'NRAP is commissioned by the Healthcare Quality Improvement Partnership (HQIP) and it is run by the Royal College of Physicians (RCO)', 'What information will the audit collect?', 'All the services that are part of the leaflet and care for people with respiratory conditions in England and Wales collect personal (confidential) information, and information about the care they receive.', and 'Use of confidential patient information without consent'. At the bottom, there is a URL: <https://www.rcopd.org/our-work/nrap>.

PR patient information leaflet



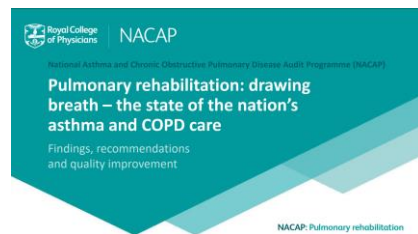
The screenshot shows the top of a patient poster. It features the Royal College of Physicians logo and the NRAP title. The main heading is 'Have you been assessed for pulmonary rehabilitation for your respiratory condition?'. Below this, there is a small illustration of a person walking. The text continues: 'This service is involved in a national project to improve the delivery of PR and the care of patients with the following respiratory conditions:'. This is followed by a list of conditions: Asthma, Interstitial lung disease, Pre/post thoracic surgery (i.e. lung volume reduction), Bronchiectasis, Long COVID, Pulmonary hypertension, COPD, and Chronic heart failure. Below the list, it says 'This project is called the National Respiratory Audit Programme (NRAP)'. Then, it states 'Since 01 November 2023, we have collected information about patients with these respiratory conditions assessed for pulmonary rehabilitation, and the care they receive. This includes confidential information.' At the bottom, there is an information icon, a QR code, and the HQIP logo.

PR patient poster

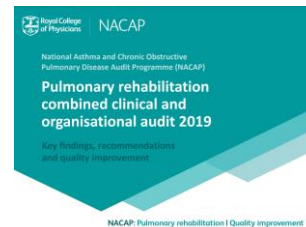
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Healthcare improvement

The next iteration of the healthcare improvement programme (2023 – 2026) is currently in development and more information will follow. Previous report key findings and recommendations can be found below.



Drawing breath: Findings, recommendations and quality improvement



PR combined clinical and organisational audit 2019

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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.

The Driver diagram template is a form for the National Respiratory Audit Programme (NRAP). It includes the Royal College of Physicians logo and the text 'National respiratory audit programme (NRAP)'. Below this, it says 'National Respiratory Audit Programme (NRAP) Driver diagram template' and 'Team name: _____'. The main part of the form is a diagram with three columns: 'Aim', 'Primary drivers', and 'Secondary drivers'. The 'Aim' column has a large empty box. The 'Primary drivers' column has four smaller empty boxes, each with an arrow pointing to the 'Aim' box. The 'Secondary drivers' column has four smaller empty boxes, each with an arrow pointing to a corresponding box in the 'Primary drivers' column.

Driver diagram template

The SMART aims template is a form for the National Respiratory Audit Programme (NRAP). It includes the Royal College of Physicians logo and the text 'National respiratory audit programme (NRAP)'. Below this, it says 'National Respiratory Audit Programme (NRAP) SMART aims template'. The main part of the form is a vertical list of five boxes, each representing a SMART aim. The boxes are labeled 'S', 'M', 'A', 'R', and 'T' on the left side. Each box contains a set of questions to guide the user in writing a SMART aim.

- S** Specific: Change or goal to aim for (improvement - this could be a process measure or outcome, depending on the template)
- M** Measurable: Identify what you will measure to indicate the improvement. Consider what you will measure, how you will measure it, and how you will know if you have achieved it. Identify how much you want to improve (this can be as high or as low as you like)
- A** Achievable: Identify what you will do to achieve the aim. Consider what you will do to achieve the aim, how you will do it, and how you will know if you have achieved it. Identify what you will do to achieve the aim, how you will do it, and how you will know if you have achieved it.
- R** Realistic: Identify what you will do to achieve the aim. Consider what you will do to achieve the aim, how you will do it, and how you will know if you have achieved it. Identify what you will do to achieve the aim, how you will do it, and how you will know if you have achieved it.
- T** Time-bound: Identify when you will do it. Consider when you will do it, how you will do it, and how you will know if you have achieved it. Identify when you will do it, how you will do it, and how you will know if you have achieved it.

SMART aims template

The PDSA cycle template is a form for the National Respiratory Audit Programme (NRAP). It includes the Royal College of Physicians logo and the text 'National respiratory audit programme (NRAP)'. Below this, it says 'National Respiratory Audit Programme (NRAP) PDSA cycle template'. The main part of the form is a circular diagram with four quadrants: 'Plan', 'Do', 'Act', and 'Study'. The 'Plan' quadrant is the largest and contains a large empty box. The 'Do', 'Act', and 'Study' quadrants are smaller and contain smaller empty boxes. Arrows indicate a clockwise cycle between the quadrants. Below the diagram, there is a section for 'PDSA cycle template' and 'Team name: _____'. The bottom part of the form is a table with two columns: 'What you will do' and 'What you will do to achieve it'. The table has three rows, each with a header row and a data row.

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

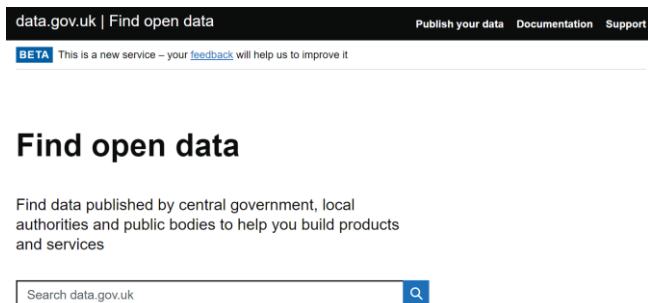


Data collection and entry

Transparent data

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

These can be found at the link below.



The screenshot shows the top navigation bar of data.gov.uk with links for 'Publish your data', 'Documentation', and 'Support'. Below the navigation bar is a 'BETA' notice: 'This is a new service -- your [feedback](#) will help us to improve it'. The main heading is 'Find open data'. Below this is a descriptive paragraph: 'Find data published by central government, local authorities and public bodies to help you build products and services'. At the bottom of the screenshot is a search bar with the placeholder text 'Search data.gov.uk' and a magnifying glass icon.

data.gov.uk

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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.

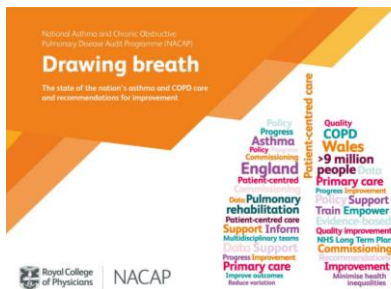


Outcomes

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.

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Reports

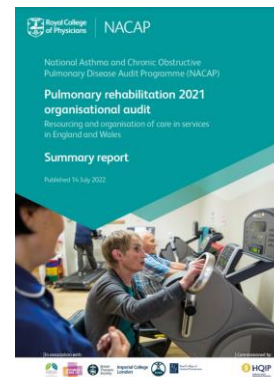


State of the nation

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 June 2024.



National respiratory audit programme (NRAP)



Organisational 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. The next organisational report will be published November 2024.

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

On the last Wednesday of every month, NRAP runs a support session 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 for more information.



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Contact details

- > For queries relating to the audit, please email us at praudit@rcp.ac.uk or 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.



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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