

National Respiratory Audit Programme (was National Asthma and COPD Audit Programme)

UPCARE: Programme name - please do not change this field.* National Respiratory Audit Programme (was National Asthma and COPD Audit Programme)

Workstream name (if applicable) - please do not change this field.* Pulmonary Rehabilitation

Contract status Ongoing

Audit or non-audit Audit

HQIP commissioned* Yes

HQIP AD JC

HQIP PM SB

1.0 Included in current NHS Quality Accounts* Yes

1.1a Geographical coverage - HQIP agreement* England; Wales

1.2a Topic - please select which ONE of the following best describes the topic area for the programme or workstream. If more than one apply, please select 'Other' and add comment to the next question.* Respiratory

1.3a Healthcare setting* NHS community care; NHS secondary or tertiary care

1.4 Inclusion and exclusion criteria* **Include patients:**

- Who attend an initial assessment for pulmonary rehabilitation
- who are 18 years or over on the date of assessment
- who have read the patient information sheet and **provided consent** (written or verbal) on the audit consent form or via the required verbal consent process:

Patients to be included in the audit are patients referred with a respiratory condition of COPD, asthma, bronchiectasis, interstitial lung disease, long COVID,

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pre/post thoracic surgery (including lung cancer/LVR/lung transplant), pulmonary hypertension, chronic heart failure, other chronic respiratory disease.

Exclude patients:

- Patients who do not give written/verbal consent for their data to be included in the audit

1.5 Methods of data submission*

Bespoke data submission by healthcare provider

1.6a 2023/24 data submission closes - please indicate date, series of dates or frequency.*

Pulmonary Rehabilitation

For an annual cohort NRAP have in place quarterly data submission deadlines. These quarterly data deadlines started in conjunction with the new contract 01 June 2023.

Data submission deadline for the cohort:

- 01 April 2023 to 30 September 2023 - 02 February 2024
- 01 October 2023 to 31 December 2023 - 03 May 2024
- 01 January 2023 to 31 March 2024 - 02 August 2024

1.6b 2024/25 data submission closes - please indicate date, series of dates or frequency.*

Pulmonary Rehabilitation

For an annual cohort NRAP have in place quarterly data submission deadlines.
Data submission deadline for the cohort:

- 01 April 2024 to 30 June 2024 - 01 November 2024
- 01 July 2024 to 30 September 2024 - 07 February 2024
- 01 October 2024 to 31 December 2024 - 09 May 2025
- 01 January 2025 to 31 March 2025 - 08 August 2025

1.6c 2025/26 data submission closes - please indicate date, series of dates or frequency.*

Pulmonary Rehabilitation

For an annual cohort NRAP have in place quarterly data submission deadlines.
Data submission deadline for the cohort:

- 01 April 2025 to 30 June 2025 - 07 November 2025
- 01 July 2025 to 30 September 2025 - 06 February 2026
- 01 October 2025 to 31 December 2025 - 08 May 2026
- 01 January 2026 to 31 March 2026 - 07 August 2026

1.7 Data flow diagram

<https://www.rcp.ac.uk/improving-care/national-clinical-audits/the-national-respiratory-audit-programme-nrap/pulmonary-rehabilitation-pr-workstream/support-for-service-teams-pulmonary-rehabilitation/>

Data flow diagram is uploaded within 'files' section.

1.8 Data quality & analysis plan

COPD, adult asthma, Children and young people's asthma and PR

The audits are currently running continuously. The audit datasets will be reviewed and streamlined annually. This will involve consultation (including with patients/carers), review of poorly completed/highly burdensome items, and reappraisal of the evidence.

Comprehensive validation rules are built into the web-tool to ensure that incorrect, conflicting and/or illogical data cannot be saved. Pop-up warnings appear for values that are plausible, but rare. There should be no missing data, as all questions are 'mandatory' and records cannot be locked until all data items are completed. If sites attempt to lock an incomplete record, a pop-up appears, directing them to the incomplete fields.

<https://www.rcplondon.ac.uk/file/42891/download> - combined report methodology report

1.9 Outlier policy

NRAP outlier policy - <https://www.rcp.ac.uk/media/utfjp4zc/nrap-outliers-policy-v10.pdf>

2.1 Outcome measures

N/A

2.2 Process measures

Pulmonary Rehabilitation

Reporting KPIs via regional reports and benchmarking tables

- Start date for pulmonary rehabilitation (PR) offered within 90 days of receipt of referral for all people referred
- People undertake a practice exercise test (for incremental shuttle walk test (ISWT) or six-minute walk test (6MWT))
- People enrolled for pulmonary rehabilitation (PR) go on to have a discharge assessment
- A written individualised discharge exercise plan is provided as part of discharge assessment
- One walking test Minimal Clinical Importance Difference (MCID) achieved
- At least one health status questionnaire Minimal Clinical Importance Difference (MCID) achieved

New run chart info:

- Walk test provision- present the number of patients in receipt of walk tests at both initial and discharge assessment depending on the type of programme they were enrolled onto (home, centre or hybrid based). It aims to identify where services are not providing evidence-based care.
- MRC score- to present the number of patients who a) have an MRC score recorded at both initial and discharge assessment and b) see an improved MRC score at discharge assessment.

Drawing Breath report (2021/22) -

<https://www.rcplondon.ac.uk/projects/outputs/drawing-breath-clinical-audit-report-202122>

Breathing Well report (2022/23) - <https://www.rcp.ac.uk/improving-care/national-clinical-audits/the-national-respiratory-audit-programme-nrap/current-nrap-reports/breathing-well-clinical-audit-report-202223/>

2.3 Organisational measures

Pulmonary rehabilitation organisational audit 2024

<https://www.rcp.ac.uk/improving-care/national-clinical-audits/the-national-respiratory-audit-programme-nrap/current-nrap-reports/nrap-organisational-audit-2022-24/>

2.4 Patient reported outcome measures

N/A

2.5 Patient reported experience measures

N/A

2.6a Do measures align with any of the following sources of evidence (select all that apply)

Professional society; NICE clinical guideline; NICE quality standard

2.6b Evidence supplemental information

Pulmonary rehabilitation

Clinical guidance

- British Thoracic Society (BTS) quality standards (QS) for pulmonary rehabilitation in adults (2014). QS1b: If accepted, people referred for pulmonary rehabilitation are enrolled to commence within 3 months of receipt of referral.
- BTS QS for pulmonary rehabilitation in adults (2014). QS8: People attending pulmonary rehabilitation have the outcome of treatment assessed using as a minimum, measures of exercise capacity, dyspnoea and health status.
- BTS QS for pulmonary rehabilitation in adults (2014). QS8: As above. QS9: Pulmonary rehabilitation programmes conduct an annual audit of individual outcomes and process.
- BTS QS for pulmonary rehabilitation in adults (2014). QS7: People completing pulmonary rehabilitation are provided with an individualised structured, written plan for ongoing exercise maintenance.

Quality standards - <https://www.brit-thoracic.org.uk/document-library/quality-standards/pulmonary-rehabilitation/bts-quality-standards-for-pulmonary-rehabilitation-in-adults/>

BTS clinical statements - <https://www.brit-thoracic.org.uk/quality-improvement/clinical-statements/pulmonary-rehabilitation/>

NICE quality statement - [Quality statement 4: Pulmonary rehabilitation for stable COPD and exercise limitation | Chronic obstructive pulmonary disease in adults | Quality standards | NICE](#)

3.1 Results visualisation

Interactive online portal (run charts available); Annual report; Static data files

3.2a Levels of reporting*

National; Hospital or specialist unit; Trust or health board; Integrated care system (ICS); NHS region or other geographic area

3.3 Timeliness of results feedback

Within 1 year; Within 6 months; Within 1 month

3.4 Link to dynamic reporting*

<https://www.nrap.org.uk/>; <https://www.nrap.org.uk/nacap/PRcharts.nsf>

2023/24 Dataset covers the period FROM/TO (within financial year 01/04 to 31/03)*

01/04/2023 - 31/03/2024

2024/25 Dataset covers the period FROM/TO (within financial year 01/04 to 31/03)*

01/04/2024 - 31/03/2025

2025/26 Dataset covers the period FROM/TO

01/04/2025 - 31/03/2026

**(within financial year
01/04 to 31/03)***

Dataset #1 name	Pulmonary rehabilitation clinical audit
Dataset #1 type*	Clinical audit
Dataset #1 population coverage*	All eligible patients
Dataset #1 items collected (n)	44
Dataset #1 items from existing national datasets (n)	0
Dataset #1 use of existing national datasets	N/A
Dataset #1 specification	PR clinical audit data set is uploaded within 'files' section. There are no sources of relevant routine data for this audit.
Dataset #2 name	Pulmonary Rehabilitation Organisational Audit
Dataset #2 type*	Organisational audit
Dataset #2 items collected (n)	49
Dataset #2 items from existing national datasets (n)	0
Dataset #2 specification	PR organisational audit data set is uploaded within 'files' section.
Dataset #3 name	Not applicable
Dataset #4 name	Not applicable

<p>When was your healthcare quality improvement plan (referred to as a QI Plan) last reviewed? Please upload under 'Files' below using the HQIP naming convention (click on response to see pop-up help text).</p>	<p>01/04/2024</p>
<p>When were your clinical performance indicators (referred to as metrics) signed off by funders? Please upload under 'Files' below using the HQIP template and naming convention (click on response to see pop-up help text).</p>	<p>31/05/2023</p>
<p>Please add the hyperlink to where your clinical performance indicators (referred to as metrics) are published on your project website.*</p>	<p>https://www.rcp.ac.uk/improving-care/national-clinical-audits/the-national-respiratory-audit-programme-nrap/pulmonary-rehabilitation-pr-workstream/support-for-service-teams-pulmonary-rehabilitation/</p>
<p>National report publication date (within calendar year 01/01 - 31/12/2023)*</p>	<p>12 January 2023 - Drawing Breath - clinical audit report 2021/22</p> <p>https://www.rcplondon.ac.uk/projects/outputs/drawing-breath-clinical-audit-report-202122</p>
<p>Published/planned national report publication date (within calendar year 01/01 - 31/12/2024)*</p>	<p>30 June 2024 - Breathing well: A nationwide assessment of respiratory care - combined clinical audit report 2022/23</p> <p>https://www.rcp.ac.uk/improving-care/national-clinical-audits/the-national-respiratory-audit-programme-nrap/current-nrap-reports/breathing-well-clinical-audit-report-202223/</p>
<p>Planned national report publication date (within calendar year 01/01 - 31/12/2025)*</p>	<p>30 June 2025 (exact date TBC) - combined clinical audit report 2023/24</p>
<p>Planned national report publication date (within calendar year 01/01 - 31/12/2026)*</p>	<p>30 June 2026 (exact date TBC) - combined clinical audit report 2024/25</p>

Please add the most recent date that you have reviewed and updated an online version of UPCARE Workstream section(s) on your project's website (click into the response to see pop-up guidance).

31/01/2025

Please add a hyperlink to UPCARE Workstream section(s) on your website (click into the response to see pop-up guidance).*

<https://www.rcplondon.ac.uk/projects/information-governance>