



Adult asthma New user guide

Version 0.7



Royal College
of Physicians

National respiratory audit
programme (NRAP)

Lead clinician introduction

James is an Associate Professor in respiratory medicine at the University of Bristol & Southmead Hospital, North Bristol NHS Trust. He established the regional complex airways service and leads an interdisciplinary research programme in Asthma, COPD, lung health and multimorbidity. He is PI for an MRC Clinical Academic Research Partnership with Avon Longitudinal Study of Parents & Children and the MRC Integrative Epidemiology Unit and co leads a programme of translational respiratory research within Bristol NIHR Biomedical Research Centre.



James Bad

Audit inclusion criteria

Include patients in the audit:

- > Who are 16 years and over on the date of arrival and admitted to adult services
- > Who have a primary diagnosis of asthma attack
- > Where an initial, or unclear, diagnosis is revised to asthma attack.

Exclude patients in the audit:

- > Where an initial diagnosis of an acute asthma attack is revised to an alternative at a later stage
- > Who are between 16 and 18 but seen on a paediatric ward.

Inclusion criteria codes

Although we suggest that cases be identified prospectively, use the following ICD-10 codes to identify eligible patients retrospectively as well:

- > J45.0 - Predominantly allergic asthma
- > J45.9 - Asthma, unspecified
- > J46.X - Status asthmaticus (*Includes.:* Acute severe asthma)

Codes should also be in the primary position of the first episode of care.

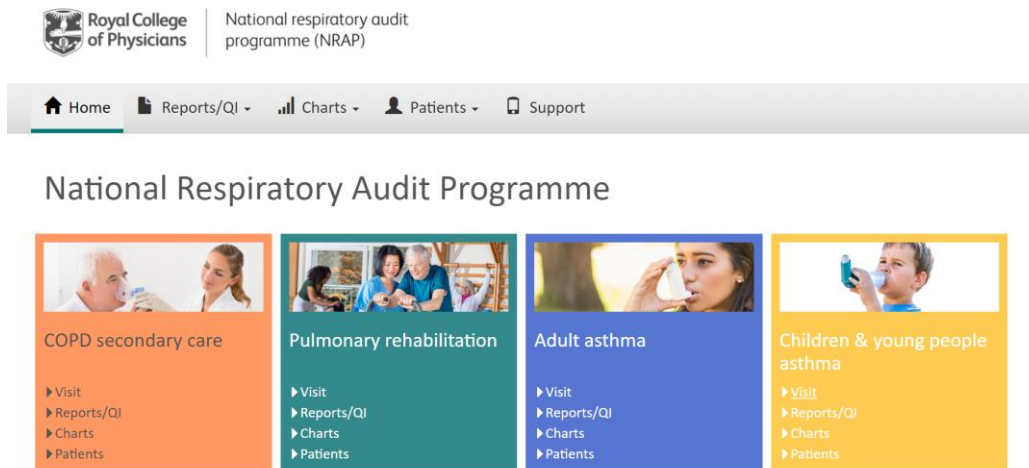
For more detailed information on inclusion criteria and codes for the adult asthma audit go to:

[Adult Asthma clinical audit dataset](#)

Adult asthma

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), Pulmonary rehabilitation (teal), Adult asthma (blue), and Children & young people asthma (yellow). Each tile includes a list of menu items: Visit, Reports/QI, Charts, and Patients.

Royal College of Physicians | 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/access level 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 adult asthma 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/access level 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.
 - > Finance team
 - > Can apply for best practice tariff for your service and disperse funds
 - > Medical director
 - > Responsible for developing policies and strategies which could support services.

Adult asthma

Audit guidance

To support new users, the adult asthma audit has both a user guide and FAQs which can be found at the links below. The user guide provides technical guidance on using the webtool while the FAQs answers some of the most common questions NRAP receives.



Royal College of Physicians National respiratory audit programme (NRAP)

National Respiratory Audit Programme (NRAP)
Adult asthma audit: User guide
Access via
PDF

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User guide



Royal College of Physicians National respiratory audit programme (NRAP)

National Respiratory Audit Programme (NRAP)
Adult asthma audit: User guide
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Frequently Asked Questions

Adult asthma

Data collection

To support the inputting of data, there is a full clinical audit dataset, including help notes, available, as well as a data collection sheet. Both documents correspond with the questions asked on the webtool.

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

National Respiratory Audit Programme (NRAP)
Adult asthma (secondary care audit) - Clinical Audit dataset
Version v1.0, June 2013

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Clinical audit dataset

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

National Respiratory Audit Programme (NRAP)
Adult asthma (secondary care) - Data Collection Sheet
Version v1.0, June 2013

Please note that where the response options are presented as checkboxes (☐) you should select one option only, where they are presented as boxes (☐) you can select multiple options. Please refer to the full clinical audit and help for further guidance.

Item	Options	Response
1.0 Date of arrival	☐ 1-7 ☐ 8-14 ☐ 15-21 ☐ 22-28	
1.10 Date of last respiratory visit	☐ 1-7 ☐ 8-14 ☐ 15-21 ☐ 22-28	
1.11 Which department did the patient consult their GP for review and treatment for?	<input type="checkbox"/> Emergency department <input type="checkbox"/> Medical admission ward <input type="checkbox"/> Direct respiratory admission <input type="checkbox"/> Direct admission to other department <input type="checkbox"/> Admission from hospital inpatient	
Patient data		
Item	Options	Response
2.1 Birth date	☐ 1-31 ☐ 1-31 ☐ 1-31 ☐ 1-31	
2.2 Date of birth	☐ 1-31 ☐ 1-31 ☐ 1-31 ☐ 1-31	
2.3 Sex	<input type="checkbox"/> Male <input type="checkbox"/> Female <input type="checkbox"/> Transgender <input type="checkbox"/> Other	
2.4 Home postcode	☐ 1-10 ☐ 11-20 ☐ 21-30 ☐ 31-40 ☐ 41-50 ☐ 51-60 ☐ 61-70 ☐ 71-80 ☐ 81-90 ☐ 91-100	
2.5 Ethnicity	<input type="checkbox"/> White British <input type="checkbox"/> White Irish <input type="checkbox"/> Any other White background <input type="checkbox"/> White and Black Caribbean <input type="checkbox"/> White and Black African <input type="checkbox"/> White and Asian <input type="checkbox"/> Any other mixed background	

Data collection sheet

Adult asthma

Information governance

The documents below provide information on how NRAP uses, collects and shares data.

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

National Respiratory Audit Programme (NRAP)
Adult asthma audit data information governance
Version 1.0 (2023)

1. Why is research or testing for asthma?

- The audit is managed and approved by the Royal College of Physicians, London in collaboration with:
 - Healthcare Quality Improvement Partnership (HQIP) – who commission the audit and the data controller for the NRAP audit data.
 - Local Information – who provide the audit audit tool and data management systems.
 - Regional College Leaders – who provide statistical data analysis services.
 - The Royal College of Physicians, Three Wellington and Imperial College London are data processors for the audit.
- Who the audit report is intended for (what is the intended audience)?
 - Regional and national respiratory audit reports will be shared with the Health Research Authority's (HRA) Confidentiality, Access and Group (CAG) to collect patient identifiable information (including identifiable data) relevant to the audit.
 - A summary of the report will be shared with the Royal College of Physicians, London (RCOP) via rcop@rcop.ac.uk and rcop@rcp.ac.uk.
 - Full audit reports will be shared with the Royal College of Physicians, London via rcop@rcop.ac.uk.
 - Full audit reports will be shared with the Royal College of Physicians, London via rcop@rcop.ac.uk.
- What are the legal requirements?
 - Healthcare Quality Improvement Partnership (HQIP) is the data controller for the audit data response to patients (i.e. healthcare users and any other processing activities). Their website is <https://www.hqip.org.uk/>.
 - Display the patient information poster at all sites where patients with asthma may be treated.
 - If a patient asks for further information please hand them a copy of the patient information poster.
 - Copy of both the patient and patient information sheet are available to download from the [HQIP website](https://www.hqip.org.uk/).
 - If a patient asks you that they do not wish to be included in the audit or have opted out under the Healthcare Act 2009, please ensure that you do not process their data and do not enter their data into the audit.

National Respiratory Audit Programme
Information v.1.0 | 2023 Audit Data
Information Governance

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

National Respiratory Audit Programme (NRAP)
Adult asthma audit
Fair Processing Information/Privacy Policy
Version 1.0 (2023)

The Healthcare Quality Improvement Partnership (HQIP) use the data controller for all data collected and reported to by the NRAP adult asthma audit. All data collected by the audit programme is processed to ensure patient confidentiality is maintained. Data processors include:

- Local Information – who provide the audit audit tool and data management systems.
- Regional College Leaders – who provide statistical data analysis services.
- Royal College of Physicians – who run the audit and produce national and local reporting reports.

Legitimate and required

Consent Law (Data of Confidentiality)

- The audit has been given a Data Protection (DP) approval for England and Wales by the NHS Health Research Authority (DPA reference number: 2021-00109), ensuring that we are allowed to collect patient identifiable data relevant to the audit.
- The audit reports will be shared with the following patient identifiable items:
 - HQIP website.
 - State of health.
 - Medical history.
 - Current health status.
 - Address.
 - Postal code (if health assessed during assessment).

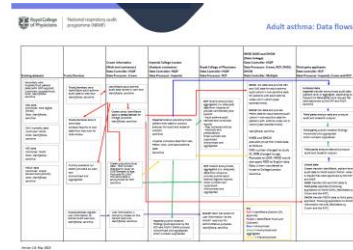
More information about the audit data flow from patient to the HQIP is available via the [HQIP website](https://www.hqip.org.uk/). Patient information sheets and posters are also available via the [HQIP website](https://www.hqip.org.uk/).

For more information about Consent Law Data of Confidentiality, have a look at [HQIP website](https://www.hqip.org.uk/) and other resources on the [HQIP website](https://www.hqip.org.uk/). You can also contact the [RCOP](mailto:rcop@rcop.ac.uk) via rcop@rcop.ac.uk.

General Data Protection Regulation (GDPR)

- This audit complies with the GDPR (EU 2016/679).
- Article 6 (1)(f) is necessary for the performance of a task carried out in the public interest or in the exercise of official authority vested in the controller. This is justified through

National Respiratory Audit Programme
Information v.1.0 | 2023 Audit Data
Information Governance



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

National Respiratory Audit Programme (NRAP)
Further sharing of identifiable data for research, audit, and evaluation purposes
Version 1.0 (2023)

Data collected as part of NRAP includes information about the patient and their general medical history. In order to provide identifiable information (e.g. NHS numbers, date of birth, postcode), patients' information is required to run the audit, research, audit, and evaluation purposes. Normally, this data will not include personal identifiers such as NHS numbers. However, in the rare case, it does, the responsible body should ensure an appropriate level of security to ensure the information is kept safe and secure. If it is possible that data may be collected in the audit or audit data, this information is subject to the provisions of information in these terms. This data will be used to support the audit and evaluation purposes. This information is subject to the provisions of information in these terms. This data will be used to support the audit and evaluation purposes. This information is subject to the provisions of information in these terms.

The table below details the information in which NRAP has shared identifiable data outside of the usual data flows. It also details the purpose of the data sharing. The audit will not collect any other identifiable data.

Information Controller	Information Processor	Purpose of data sharing	Information shared	Retention period
Royal College of Physicians (RCOP)	Health Research Authority (HRA)	2021 to 2023 (2023)	• NHS number and date of birth • NHS postcode and date of birth • NHS number and date of birth • NHS number and date of birth	12 months from the end of the audit

National Respiratory Audit Programme
Information v.1.0 | 2023 Audit Data
Information Governance

Information Governance FAQs

Fair processing information

Data flows

Sharing identifiable data



National respiratory audit programme (NRAP)

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:



AA v3 Import Dataset

Import dataset specifications
v3.00 (Aug 2023) PDF 122Kb



AA v3 Import Labels

Data file column labels/headings
v3.00 (Aug 2023) CSV 2Kb



AA v2 Import Dataset

Import dataset specifications
v2.01 (Aug 2023) PDF 133Kb



AA v2 Import Labels

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

Adult asthma

Patient resources

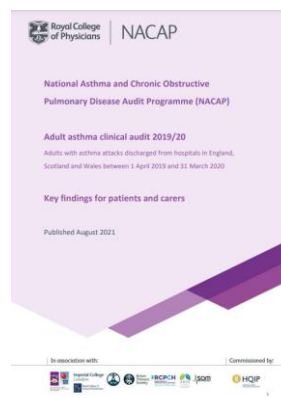
Patients are at the heart of NRAP's work, and a number of adult asthma resources are available for hospitals and patients/carers to use. NRAP has also previously published a patient report and key findings for patients and carers.



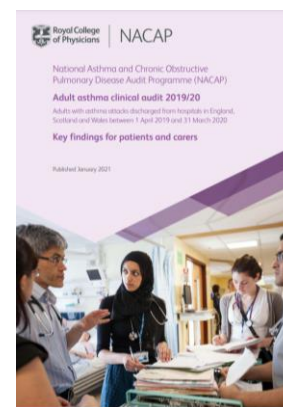
Adult asthma patient information leaflet



Adult asthma patient poster



Key findings for patients and carers

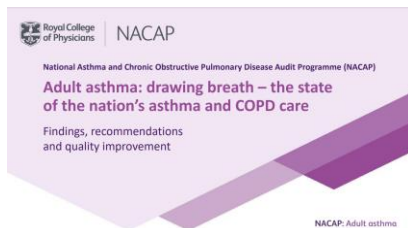


Adult asthma clinical patient report

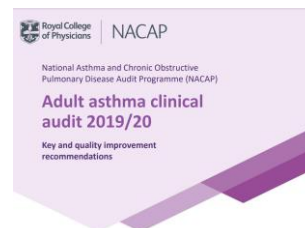
Adult asthma

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



Adult Asthma clinical audit: Key and quality improvement recommendations 2019/20

Adult asthma

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 adult asthma care. 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

Driver diagram template

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

National Respiratory Audit Programme (NRAP)
SMART aims

S	Specific What is your specific aim to improve? Who will be responsible for delivery?
M	Measurable How will you know if it has changed? Is it measurable, quantifiable, and achievable? Can you measure it and track it over time? Can you measure it and track it over time?
A	Attainable Is your aim realistic? Can you realistically do it? Do you have the resources and skills to do it?
R	Relevant Does your aim matter? Is it important? Is it relevant to your practice? Is it relevant to your practice?
T	Time-bound When will you know if you have achieved your aim? How long will it take to achieve your aim? How long will it take to achieve your aim?

SMART aims template

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

National Respiratory Audit Programme (NRAP)
PDSA cycle template

Team name: _____

Plan Do Act Study

What you plan to do	What you do
What questions do you intend to answer?	What questions do you intend to answer?
When will the test take place?	When will the test take place?
When will the test take place?	When will the test take place?

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 adult asthma care. 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

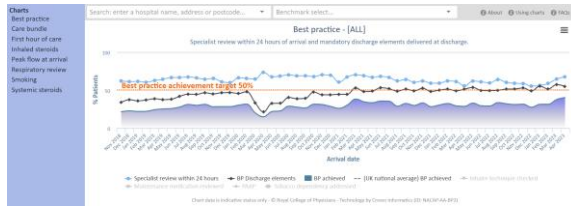


Respiratory review within 24 hours

Adult asthma

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.



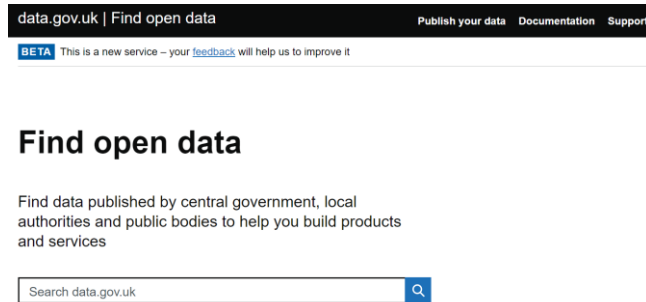
Run chart



Benchmarking chart

Transparent data

NRAP publishes full data files for all reports that are published, including COPD. These can be found at the link below.



data.gov.uk

Adult asthma

Reports



Regional reports

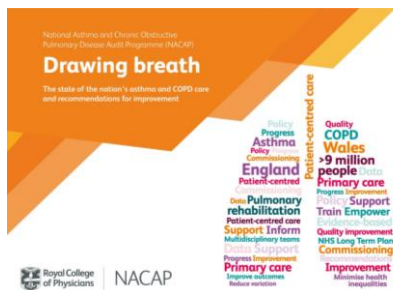
The final regional report for Adult Asthma was published in July 2023 and has now been replaced by benchmarking tables. Previous reports can still be found at this link.



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.

Adult asthma 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 with the first published January 2023.



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 discharged
10 November 2023	1 April 2023 – 30 September 2023
9 February 2024	1 October 2023 – 31 December 2023
10 May 2024	1 January 2024 – 31 March 2024
9 August 2024	1 April 2024 – 30 June 2024
15 November 2024	1 July 2024 – 30 September 2024
14 February 2025	1 October 2024 – 31 December 2024
16 May 2025	1 January 2025 – 31 March 2025
15 August 2025	1 April 2025 – 30 June 2025
14 November 2025	1 July 2025 – 30 September 2025
13 February 2026	1 October 2025 – 31 December 2025
15 May 2026	1 January 2026 – 31 March 2026

Please note, from February 2024 NRAP is planning to introduce quarterly data deadlines.

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. To sign up for one of these sessions, follow the link below.



eventbrite

Contact details

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



Patient identifiable information

The National Respiratory Audit Programme (NRAP) are unable to receive patient identifiable information due to our granted data permissions. **Please do not send NRAP 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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