



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.

**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	
Contents	
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Accessing the audit website	2
Logging in to the database	2
Creating new users	2
Registering patients	2
Managing the adult asthma audit homepage	2
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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.

 National respiratory audit programme (NRAP)	
National Respiratory Audit Programme (NRAP)	
Adult asthma secondary care audit - clinical audit dataset	
Version 13.0, June 2023	
Contents	
Go to the page for data on using the interactive dataset	
General information	2
Notes	3
Patient information	3
Smoking status	4
Adult diagnosis	4
How often respiratory symptoms	4
Organic asthma	4
Peak flow	4
Additional information on admission	4
Adult diagnosis	4
Respiratory admission status	4
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Demographics	4
Demographics and referral for long-term review	23

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Clinical audit dataset

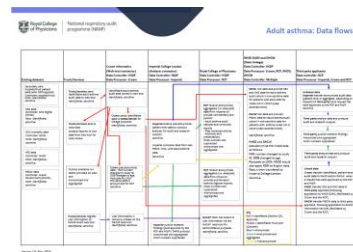
 National respiratory audit programme (NRAP)	
National Respiratory Audit Programme (NRAP)	
Adult asthma audit - Data Collection Sheet	
Version 13.0, June 2023	
Please note that where the response options are presented as tick boxes (☐) you should select one option only, where they are presented as radio buttons (☐) you can select multiple options. Please refer to the full clinical dataset and help for further guidance.	
General information	Response
1.0 Date of audit	dd/mm/yyyy
1.1 Time of audit	HH:MM:SS
1.2 Which department did the patient consult their GP for and what was the reason for?	☐ Emergency department ☐ Medical admission unit ☐ Direct respiratory admission ☐ Direct admission to other department ☐ Admission from hospital inpatient
Patient data	Response
2.0 MR number	MR number
2.1 Date of birth	dd/mm/yyyy
2.2 Gender	☐ Male ☐ Female ☐ Transgender ☐ Other
2.3 Name	Name
2.4 Home postcode	Postcode
2.5 Ethnicity	☐ White British ☐ White Irish ☐ White Scottish ☐ Any other White background ☐ Black African ☐ Black Caribbean ☐ Black British ☐ Black African ☐ Any other Black background

Data collection sheet

Adult asthma

Information governance

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



National Respiratory Audit Programme (NRAP)
Further sharing of identifiable data for research, audit, and evaluation purposes
Version 1, June 2023

Data collected as part of NRAP includes information about the patient and their general practice in hospital, as well as identifiable information (e.g., NHS number, date of birth, postcode). This data is processed and shared for research, audit, and evaluation purposes. Normally, this data will not include personal identifiers such as NHS number, however, in the rare cases, it may be necessary to identify individual patients for research purposes. In these cases, the data will be processed and shared for research, audit, and evaluation purposes. The data will be processed and shared for research, audit, and evaluation purposes. The data will be processed and shared for research, audit, and evaluation purposes.

Information requested	Information provided	Information shared	Information requested	Information provided
NRAP audit data	NRAP audit data	NRAP audit data	NRAP audit data	NRAP audit data
NRAP audit data	NRAP audit data	NRAP audit data	NRAP audit data	NRAP audit data
NRAP audit data	NRAP audit data	NRAP audit data	NRAP audit data	NRAP audit data

Information Governance FAQs

Fair processing information

Data flows

Sharing identifiable data

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 in the 'Imports' section of 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

V5 Dataset

For patients discharged from 1 April 2025.

 **NRAP Import Notes 2025**
Important - Please read!
(Jul 2025) PDF 237Kb

 **AA Import Dataset V5**
Import dataset specifications
v5.00 (Jul 2025) PDF 170Kb

 **AA Import Labels V5**
Data file column labels/headings
v5.00 (Jul 2025) CSV 1Kb

Adult asthma

Patient resources

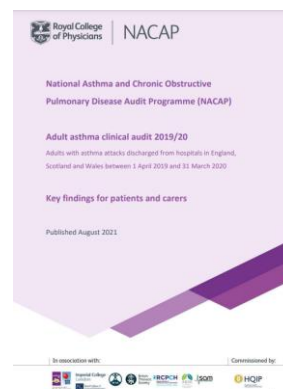
Patients are at the heart of NRAP's work, and a number of adult asthma resources are available for hospitals and patients/carers to use. NRAP has also previously published a patient report and key findings for patients and carers.



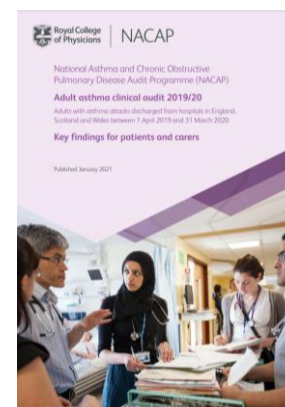
Adult asthma patient information leaflet



Adult asthma patient poster



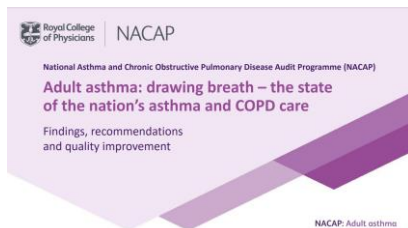
Key findings for patients and carers



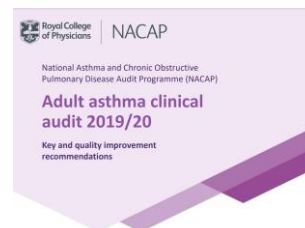
Adult asthma clinical patient report

Healthcare improvement

The next iteration of the healthcare improvement programme (2023 – 2026) has now commenced. To read more about the programme please visit - [Healthcare quality improvement | RCP](#). 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.

The Driver diagram template is a form from the Royal College of Physicians National Respiratory Audit Programme (NRAP). It is titled "National Respiratory Audit Programme (NRAP) Driver diagram template". It includes a "Team name:" field. The diagram consists of a large box on the left labeled "Aim", and two columns of smaller boxes on the right labeled "Primary drivers" and "Secondary drivers". Arrows point from the "Primary drivers" and "Secondary drivers" boxes towards the "Aim" box.

Driver diagram template

The SMART aims template is a form from the Royal College of Physicians National Respiratory Audit Programme (NRAP). It is titled "National Respiratory Audit Programme (NRAP) SMART aims template". It includes a "Team name:" field. The template is structured as a list of five rows, each representing a SMART aim. Each row has a large letter (S, M, A, R, T) in a box on the left, followed by a text box for the aim. The letters stand for Specific, Measurable, Achievable, Relevant, and Time-bound.

SMART aims template

The PDSA cycle template is a form from the Royal College of Physicians National Respiratory Audit Programme (NRAP). It is titled "National Respiratory Audit Programme (NRAP) PDSA cycle template". It includes a "Team name:" field. The template is structured as a table with two main columns: "Plan/Do" and "Act/Study". The "Plan/Do" column is further divided into "Plan" and "Do", and the "Act/Study" column is further divided into "Act" and "Study". The table has four rows, each representing a cycle of the PDSA process.

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

Real time data

Charts

Search: enter a trial name, address or protocol... Benchmark unit: Filter: Long chart: ☐ No

Best practice
Care bundle
First hour of care
Initial assessment
First hour of care
Respiratory review
Assessment
Systemic steroids

Best practice - [ALL]

Specialist review within 24 hours of arrival and mandatory discharge elements delivered at discharge.

% Patients

Best practice achievement target 50%

Arrival date

Specialist review within 24 hours BP Discharge elements BP achieved UK national average BP achieved Discharge elements delivered

Chart description: Specialist review within 24 hours of arrival and mandatory discharge elements delivered at discharge.

Chart description: Specialist review within 24 hours of arrival and mandatory discharge elements delivered at discharge.

Benchmarks - By hospital for 2022

Only values calculated at the year level in comparison. All data shown are percentages.

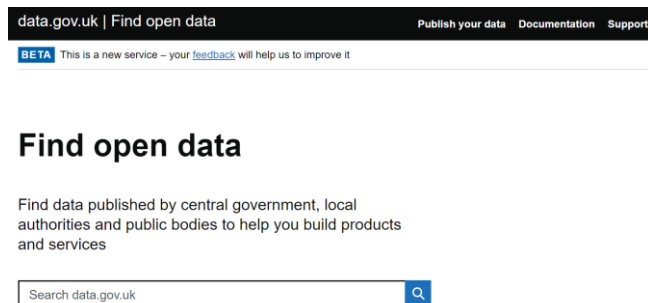
Hospital	30-day mortality rate	30-day readmission rate	30-day return to operating room rate	30-day return to intensive care unit rate	30-day return to hospital rate
Cleveland Clinic	1.1%	1.1%	1.1%	1.1%	1.1%
Mayo Clinic	1.2%	1.2%	1.2%	1.2%	1.2%
Johns Hopkins	1.3%	1.3%	1.3%	1.3%	1.3%
Massachusetts General	1.4%	1.4%	1.4%	1.4%	1.4%
Stanford	1.5%	1.5%	1.5%	1.5%	1.5%
University of California	1.6%	1.6%	1.6%	1.6%	1.6%
University of Michigan	1.7%	1.7%	1.7%	1.7%	1.7%
University of Washington	1.8%	1.8%	1.8%	1.8%	1.8%
University of Texas	1.9%	1.9%	1.9%	1.9%	1.9%
University of Wisconsin	2.0%	2.0%	2.0%	2.0%	2.0%

Showing 1 of 100 entries

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 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 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

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 for more information.



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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