



HQIP Healthcare Quality Improvement Partnership



Part of Clinical Audit Awareness Week 2024, featuring the Clinical Audit Heroes awards

From Audit to Impact (National Cancer Audit Collaborating Centre, NATCAN)

27 June 2024; 4-5pm





Agenda

- Introduction from HQIP
- Introduction to NATCAN
- Demonstration of the data quality report for the 'new' audits
- Future direction: demonstration of the data dashboard
- Q&A

National Cancer Audit Collaborating Centre (NATCAN)

Jo Boudour - Senior Project Manager

National Lung Cancer Audit (NLCA)

National Ovarian Cancer Audit (NOCA)



NATCAN

National Cancer Audit
Collaborating Centre

National Cancer Audit Collaborating Centre (NATCAN)

- Commissioned by the Healthcare Quality Improvement Partnership (HQIP)
- Funded by NHS England and the Welsh Government initially for 3 years



NATCAN aims to:

1. Provide regular, timely evidence to cancer services of variations in E&W
2. Support NHS services to identify reasons for the variation in care and help guide quality improvement initiatives
3. Stimulate improvements in cancer detection, treatment and outcomes for patients, including survival rates

Home of the ten national cancer audits in England & Wales

New cancer audits – contract started October 2022

- Kidney Cancer  **NKCA**
National Kidney Cancer Audit
- Non-Hodgkin Lymphoma  **NNHLA**
National Non-Hodgkin Lymphoma Audit
- Ovarian Cancer  **NOCA**
National Ovarian Cancer Audit
- Pancreatic Cancer  **NPaCA**
National Pancreatic Cancer Audit
- Primary &  **NAoPri**
National Audit of Primary Breast Cancer
- Metastatic Breast Cancer  **NAoMe**
National Audit of Metastatic Breast Cancer



Established cancer audits moved into NATCAN – contract variations

- OG Cancer – June 2023  **NOGCA** | National Oesophago-Gastric Cancer Audit
- Bowel Cancer – June 2023  **NBOCA** | National Bowel Cancer Audit
- Prostate Cancer – July 2023  **NPCA**
National Prostate Cancer Audit
- Lung Cancer – October 2023  **NLCA** | National Lung Cancer Audit





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NATCAN: maintain key features

- Close **clinical-methodological collaboration**
- Close links with all **stakeholder groups**
 - Clinical professional bodies
 - NHS commissioners
 - Regulators (CQC)
 - Patients, charities, public
- **Audit delivery & QI informed by research & development:**
 - Methodological development
 - Clinical epidemiology
 - Health services research



NLCA

National Lung
Cancer Audit



NPCA

National Prostate
Cancer Audit



NBOCA

National Bowel
Cancer Audit



NOGCA

National Oesophago-Gastric
Cancer Audit



Society for Cardiothoracic Surgery
in Great Britain and Ireland



THE BRITISH ASSOCIATION
OF UROLOGICAL SURGEONS



The Royal College of Radiologists



ROY CASTLE
LUNG CANCER
FOUNDATION



BRITISH SOCIETY OF
GASTROENTEROLOGY



ASSOCIATION OF UPPER GASTROINTESTINAL
SURGERY OF GREAT BRITAIN AND IRELAND

original reports

Patient-Reported Functional Outcomes After Hypofractionated or Conventionally Fractionated Radiation for Prostate Cancer: A National Cohort Study in England

Julie Nossiter, PhD^{1,2}; Arunan Sujenthiran, MD¹; Thomas E. Cowling, PhD¹; Matthew G. Parry, MBChB, MSc¹; Susan C. Charman, MSc¹; Paul Cathcart, MD¹; Noel W. Clarke, MBBS, ChM^{1,2}; Heather Payne, MBBS, MD¹; Jan van der Meulen, PhD¹; and Ajay Aggarwal, MD, PhD^{1*}



Does Research from Clinical Trials in Metastatic Hormone-sensitive Prostate Cancer Treatment Translate into Access to Treatments for Patients in the "Real World"? A Systematic Review

Joanna Dodkins^{a,b,1}, Julie Nossiter^{a,b}, Adrian Cook^a, Heather Payne^{a,c}, Noel Clarke^{a,d}, Jan van der Meulen^{a,b}, Ajay Aggarwal^{b,c}

ARTICLE

Determinants of variation in radical local treatment for men with high-risk localised or locally advanced prostate cancer in England

Matthew G. Parry^{1,2}, Jemma M. Boyle^{1,2}, Julie Nossiter², Melanie Morris^{1,2}, Arunan Sujenthiran², Brendan Berry^{1,2}, Paul Cathcart², Ajay Aggarwal^{1,2}, Jan van der Meulen^{1,2}, Heather Payne^{1,2} and Noel W. Clarke^{2*}

Cancer Epidemiology | Open Access | CC BY

Impact of cancer service centralisation on the radical treatment of men with high-risk and locally advanced prostate cancer: A national cross-sectional analysis in England

Matthew G Parry, Arunan Sujenthiran, Thomas E Cowling, Julie Nossiter, Paul Cathcart, Noel W Clarke, Heather Payne, Ajay Aggarwal, Jan van der Meulen

THE LANCET
Oncology

PERSONAL VIEW | VOLUME 22, ISSUE 5, E207-E215, MAY 2021

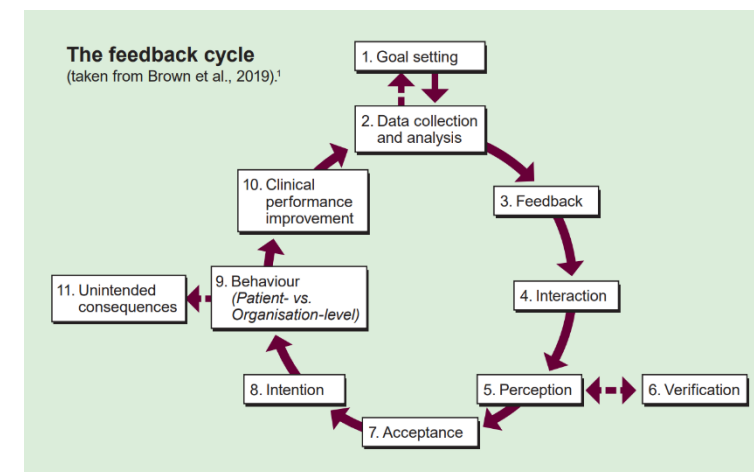
Public reporting of outcomes in radiation oncology: the National Prostate Cancer Audit

Ajay Aggarwal, PhD, Julie Nossiter, PhD, Matthew Parry, PhD, Arunan Sujenthiran, MD, Prof Anthony Zietman, MD, Prof Noel Clarke, ChM, et al. Show all authors



NATCAN: innovations

- Use of **single resource of linked datasets for all cancer audits**
 - Use of rapid cancer registration data as well as gold-standard registration data
- **More frequent, more timely reporting – quarterly**
- **‘State of the Nation’ reports (10 pages max, 5 recommendations)**
- **Greater focus on Quality Improvement**
 - aiming to ‘close the audit cycle’



Creation of common data access channels

- Use of national (existing & linked) datasets only
- Single, data application in each country

England datasets

National Cancer Registration (rapid & gold-standard)

Cancer Outcomes and Services Dataset (COSD)

Hospital Episode Statistics (HES)*

Systemic Anti-Cancer Therapy (SACT) dataset

National Radiotherapy Dataset (RTDS)

Mortality data - Office for National Statistics (ONS)

Medicines Dispensed in Primary Care (NHSBSA)

Somatic Molecular Testing Dataset

Cancer Waiting Times (CWT)

Diagnostic Imaging Dataset (DIDS)

National Cancer Patient Experience Survey

NDRS

Leeds Production Team (LPT)



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Wales datasets

CaNISC or Cancer Information System

?? Cancer Registration data

Patient Episode Database for Wales (PEDW)

Radiotherapy Data available in Canisc

Mortality data - Office for National Statistics (ONS)



*Includes, inpatient and outpatient data and
Emergency Care Dataset (ECDS)

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Audit reporting: Quarterly

- Quarterly indicator reporting to support QI



NLCA
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Cancer Audit



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NOGCA
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NAoMe
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NAoPri
National Audit of
Primary Breast Cancer



NKCA
National Kidney
Cancer Audit



NOCA
National Ovarian
Cancer Audit



NPaCA
National Pancreatic
Cancer Audit



NNHLA
National Non-Hodgkin
Lymphoma Audit

- *'Metric data publication'*
➡ Jan 2024 onwards

- *'Data Quality indicators'* ➡ Feb & May 2024
- *'Metric data publication'* ➡ Aug 2024

- *'Data quality indicators'* ➡ July & Oct 2024
- *'Metric data publication'* ➡ Jan 2025

- *'Data quality indicators'* ➡ April & July 2024
- *'Metric data publication'* ➡ October 2024

Audit reporting: Annual

- Annual 'State of the Nation (SotN)' report (approx. 10 pages, 5 recommendations)




NOGCA
National Oesophago-Gastric
Cancer Audit



NPCA
National Prostate
Cancer Audit

➔ SotN reports published Jan 2024



NBOCA
National Bowel
Cancer Audit

➔ SotN report published Feb 2024



NLCA
National Lung
Cancer Audit

➔ SotN report published April 2024



NAoMe
National Audit of
Metastatic Breast Cancer



NAoPri
National Audit of
Primary Breast Cancer



NKCA
National Kidney
Cancer Audit



NOCA
National Ovarian
Cancer Audit



NPaCA
National Pancreatic
Cancer Audit



NNHLA
National Non-Hodgkin
Lymphoma Audit

➔ SotN reports published Sept 2024





Stimulating improvement of cancer services

NATCAN

- NATCAN QI Team: coordinated by Clinical Director, supported by Clinical Fellows
- Academic partnership with University Leeds (Foy / Alderson)
- QI activities: flexible and responsive, based on experience in existing cancer audits in CEU
- Closely aligned with existing national initiatives for QI: NCAB, CQC, GIRFT



Audit level (following publication of reports)

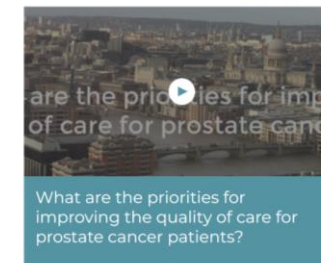
- Local action plans supported by targeted communication strategy
- QI tools for local teams to identify “good practice” / “areas of weakness”
- National programme of QI workshops / webinars
- Social media profile (via NATCAN resources) using range of channels

Innovation

- “Closing the audit cycle”, based on RCRD following the “plan-do-study-act” approach
- Fully imbedded in wider NATCAN QI strategy
- Each cancer audit will design and implement a QI initiative
- Part of a development and research programme of QI methods

Quality Improvement in Action

Watch these summaries of different aspects of the workshop.



NATCAN QI Event 27.03.24

- NATCAN approach to supporting and targeting QI
- Identifying interventions for quality improvement – what works and doesn't
- Outcome Reporting and the role of positive outliers in driving QI
- How to design and implement QI initiatives – the clinical reality



[NATCAN.org.uk](https://www.natcan.org.uk)

[About us](#) [FAQs](#) [News and Views](#) [Contact us](#)
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NATCAN

National Cancer Audit
Collaborating Centre

NATCAN brings national cancer audits together in one place, enabling us to share best practice and clinical excellence.

[www.NATCAN.org.uk](https://www.natcan.org.uk)

[View Audits](#)



For professionals

Information for clinicians and hospital staff involved in the care of people with cancer.



For public

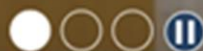
Information about audits for patients and carers, including resources, reports, information leaflets and frequently asked questions.

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NBOCA 2023 State of the Nation Report

[Download here](#)



Trust Results

Search below for a hospital Trust in England or an MDT in Wales to see results about the care and outcomes of patients with bowel cancer

Search for a hospital Trust / MDT.



Resources for Professionals

Resources for clinicians and hospital staff participating in the National Bowel Cancer Audit

[Quality Improvement](#)



Resources for Public

Resources for patients and the general public

[FAQs](#)

Patients & Public

- Regular Patient & Public Involvement Forums
 - Clarity of messaging for people living with cancer
 - Disseminating results
 - Shaping improvement priorities
-
- EG. National Pancreatic Cancer Audit



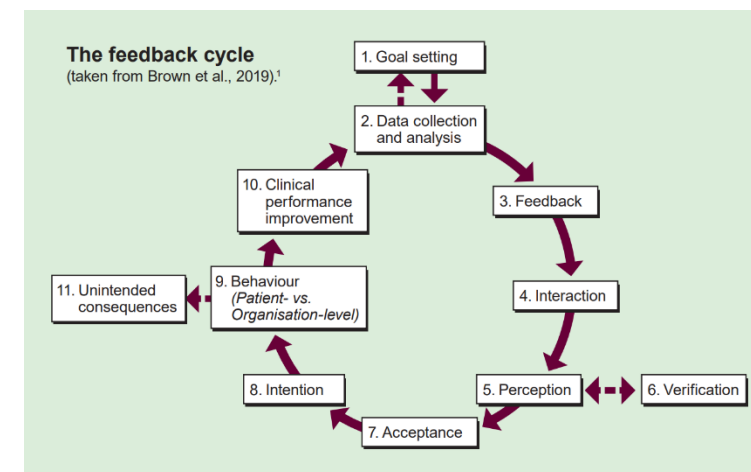
For public

Information about audits for patients and carers, including resources, reports, information leaflets and frequently asked questions.



NATCAN: next steps 2024

- Develop **Healthcare Improvement Plans**
 - Development & validation of performance indicators (PIs)
 - 10 PIs max
- **Quarterly indicator reporting**
 - RCRD 'data quality metrics' July 2024
 - 'PI reporting' from Oct 2024
- **'State of the Nation' reports*** (10 pages max, 5 recommendations)
 - Submission to HQIP June 2024
 - Publication September 2024
- **Greater focus on Quality Improvement (QI)**
 - Aiming to 'close the audit cycle'
 - Each audit will design & implement a QI initiative



*NPCA, NBOCA & NOGCA maintain reporting cycle in 2024, move to the same cycle as the 'new' audits in 2025. NLCA maintain reporting cycle.



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Thank you!





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Demonstration of the data quality viewer

Example from National Pancreatic Cancer Audit (NPaCA)

Home > Reports > NPaCA Quarterly Report October 2022 to September 2023 – published April 2024

NPaCA Quarterly Report October 2022 to September 2023 - published April 2024

The purpose of the National Pancreatic Cancer Audit (NPaCA) is to evaluate the patterns of care and outcomes for patients with pancreatic cancer in England and Wales, and to support services to improve the quality of care for these patients. More details of the audit aims and scope can be found on our webpage.

This is the first quarterly report published by the NPaCA team and provides an overview of the quality of key data items captured in the rapid cancer registration data for people diagnosed in NHS trusts with pancreatic cancer in England between 1st October 2022 and 30th September 2023, at NHS trust and Cancer Alliance levels. A high-level summary of patient characteristics is also provided at NHS trust and Cancer Alliance levels.

This first quarterly report, and the next one published in July, focuses on data quality. The subsequent quarterly reports will report on performance indicators relevant to pancreatic cancer. These first quarterly reports on data quality are intended to highlight to Trusts where data submissions to the Cancer Outcomes and Services Dataset (COSD) could be improved to enable better reporting on performance indicators in the future.

Click on the button below to download your copy of the Quarterly Report.

NPaCA Quarterly Report, October 2022 to September 2023

Quarterly reports are published and available for download on each audit's webpage, accessed via <https://www.natcan.org.uk/audits/>

<https://www.natcan.org.uk/reports/npaca-quarterly-report-october-2022-to-september-2023-published-april-2024/>



Royal College of Surgeons of England
ADVANCING SURGICAL CARE

LONDON SCHOOL of HYGIENE & TROPICAL MEDICINE



NHS England



HQIP
Healthcare Quality Improvement Partnership

NDRS
NATIONAL DISEASE REGISTRATION SERVICE



GIG CYMRU NHS WALES

Rhwydwaith Canser Cymru
Wales Cancer Network



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Healthcare Quality Improvement Partnership - Clinical Audit Awareness Week - 27th June 2024

Future direction of quarterly reporting

Experience from the National Lung Cancer Audit

Ella Barber - Data Scientist



NLCA

National Lung Cancer Audit



Society for Cardiothoracic Surgery
in Great Britain and Ireland

NLCA@rcseng.ac.uk

@NLCA_uk

NLCA quarterly reporting - Development



NLCA

National Lung
Cancer Audit

- The NLCA is an established audit (moved into NATCAN in 2023)
- First quarterly report published July 2023
 - Implemented as stand-alone Excel file
- Kept relatively simple and intuitive, focus on showing trends over time
- Iterative approach taken to development of quarterly reports
 - Encouraged use and feedback
 - User comments guided changes in next quarterly report
- Transitioned to online interactive dashboard (first published April 2024).

NLCA quarterly reporting - Content

- Indicators were selected from those included in State of the Nation (SotN) report
 - Chosen on advice from clinical leads
 - Consideration given to indicators that have possibility to show short term changes
- Analysis uses rapid cancer registration data (RCRD)
- Presents three years of data, at quarterly time increments
 - Currently shows up to 30th June 2023
 - Completeness of data for chemotherapy and radiotherapy lags behind other data
 - Stopped publishing indicators that rely on those data for the most recent quarter.

NLCA quarterly reporting - Online dashboards



NLCA
National Lung
Cancer Audit

- As of 10th April 2024, transitioned to publishing NLCA dashboards in online format
 - Now viewed in web browser (as shinyapp)
 - First time SotN and quarterly reports have been published together.
- First version contains 3 dashboards, which present results at NHS trust-level:
 1. Data quality dashboard
 2. Quarterly report dashboard
 3. SotN report dashboard
- Design follows past quarterly reports and data viewer for 2023 SotN report
- We will make iterative improvements to the dashboards
 - Additional functionality and content planned as part of future quarterly releases.
- Dashboards can be accessed here: <https://rcs-ceu.shinyapps.io/NLCA/>

We welcome your feedback.



NLCA quarterly reporting – How to access

The screenshot shows the top of the NLCA website. On the left is the NLCA logo and name. On the right are links for 'Information for the public', 'FAQs', 'About us', and 'Contact us'. Below these is a search bar. A horizontal navigation bar contains 'Reports and publications', 'Resources', 'Data and statistics' (highlighted with a red box), 'What's new?', and 'Quality improvement'.

The screenshot shows the 'Data and statistics' page. It features a teal header with the text 'Home > Data and statistics'. Below this is a large teal section with the heading 'Data and statistics' and a sub-heading: 'The National Lung Cancer Audit (NLCA) publishes a range of statistics about how NHS services in England and Wales diagnose and treat adults with lung cancer.' A dark teal sidebar is visible on the right, listing 'Home', 'Dashboards', 'Data quality', 'Quarterly report', 'State of the Nation report', 'Contact us', 'Updates', and 'Acknowledgements'.

[Access the Dashboard here >](#)



The screenshot shows the 'Quarterly report dashboard'. It includes an 'Overview' section with a description of the dashboard's purpose and a list of data sources and time periods. Below this are 'User selected inputs' for 'Select NHS Trust' (Airedale NHS Foundation Trust) and 'Select indicator' (Proportion of patients diagnosed via emergency presentation). At the bottom, there are tabs for 'Time series plot', 'Data table', 'Indicator information', and 'Methods information'.