



The use of National Clinical Audit data in appraisal

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Directory of audit results as of June 2017

Contents

<u>Purpose of this resource</u>	<u>3</u>
<u>Who is this resource for?</u>	<u>3</u>
<u>Introduction</u>	<u>4</u>
<u>National clinical audits</u>	<u>5</u>
<u>Assessing participation</u>	<u>8</u>
<u>Can individual clinicians and appraisers review results and participation independently?</u>	<u>9</u>
<u>Appendix 1 – National clinical audits</u>	<u>10</u>
<u>Appendix 2 – Third party support for participation</u>	<u>25</u>

1 Purpose of this resource

Participation in quality improvement activity is one of the six types of supporting information required by the [GMC for appraisal](#) – and engagement with relevant national clinical audits (NCAs) can be used as evidence for this.

Indeed, for some specialities, participation in a relevant NCA is suggested by the speciality association as good practice for appraisal and revalidation with some making it a mandatory requirement for their college members (see Appendix 2, Third party support for participation).

This resource is a simple guide to support and encourage the inclusion of NCA data in appraisal and revalidation. There is a directory of all the major NCAs, summarising their programmes with links and contacts. **Please note this resource will be updated regularly to provide links to the latest NCA data – please visit www.hqip.org.uk/resources/clinical-audit-data-for-appraisal/ to download the latest copy.**

It also includes suggested questions to help those being appraised to reflect on their NCA participation and outcomes.

2 Who is this resource for?

This document is aimed at responsible officers/medical directors and clinical directors seeking to increase the use of NCA data in appraisal and revalidation processes in their organisations.

It is also useful to those being appraised and for anyone that wants to understand how national clinical audit can be part of clinical appraisal and/or revalidation.

3 Introduction

The Healthcare Quality Improvement Partnership (HQIP) manages and develops the National Clinical Audit (NCA) Programme. HQIP commissions more than 30 clinical audits providing invaluable information regarding the care provided to people with a wide range of medical, surgical and mental health conditions. In addition, there are a number of other independent national clinical audits and the key ones are listed in the appendix alongside those commissioned by HQIP.

Participation in quality improvement activity is one of the six types of supporting information required by the [GMC for appraisal](#).

Engagement in NCAs can be used as evidence for this. For some clinical specialities, participation in a relevant NCA is suggested by the speciality association as good practice for appraisal and revalidation with some specialties making it a mandatory requirement for their college members (See Appendix 2 - Third Party Support for Participation).

Full participation is at the heart of all clinical audits. This implies that all cases are recorded, that all data fields are complete and that there is an institutional and individual process to assure that this is the case. In our experience there is room for improvement on all fronts. An improved focus on audit through annual appraisal can support this. We would want to emphasise that while participation in relevant NCAs is vital, it is the reflection on the outcomes, individualised to one's own individual practice, and to one's team, that is paramount.

One would hope that all clinicians working in any field covered by a NCA would understand the rationale behind the audit, given that these audits have clinicians at their heart. This is not limited to clinicians in interventional specialties (surgeons, interventional radiologists and gastroenterologists etc.) but all clinicians who interact with patients in team based audits (e.g. stroke, heart failure etc.). Whilst many of the national audits relate directly to individual consultants, many do not and are designed around a patients' journey. Additionally many consultants might be involved in an individual patient's care. The results from such team based audits are equally applicable to annual appraisal.

Many acute physicians and general practitioners may contribute quite peripherally to a NCA, and yet the results will have important bearing on their subsequent practice. The inclusion of the outputs of these audits (perhaps provided in summary format) with the emphasis on individual and as appropriate team reflections and action plans would be very relevant for inclusion and discussion within a medical appraisal and to inform a PDP. See '5-Assessing Participation' Page 8 for more detailed advice on how you might reflect on audit results at both individual consultant and team level.

For clinical directors (CDs) or responsible officers/medical directors (ROs/MDs), not intimately involved with the procedures being audited nor the intricacies of each audit, we anticipate that as a starting point they would wish to understand whether or not their doctors are participating in relevant NCAs and giving due consideration to quality improvement lessons they can draw from the findings. Accordingly, we have compiled this resource for use by CDs and ROs/MDs. But it will also be of interest to all clinicians considering how they might incorporate NCA data into their annual appraisal. Doing so should provide opportunities for individual clinicians to improve their services, for clinical directors and MDs to support improved appraisals and for ROs to make their revalidation recommendations based on sound data captured within individual appraisals.

Whilst this resource is focused on consultant participation in national clinical audit, NCAs are a repository of very full and comprehensive data and other grades of doctors might well use this data to perform local audit or to reflect on their contribution to team results which could also feed into their annual appraisal.

4 National clinical audits

Below is a list of current or soon-to-publish secondary care NCAs, mostly commissioned by HQIP but including others with a positive record of providing meaningful data on an ongoing basis. CDs and ROs/MDs can use this to identify audits relevant to their organisations and staff. This information can then be shared with relevant appraisers to identify where they should expect to see evidence of participation. [Appendix 1](#) provides web page links to make accessing data easy. Clinicians may also wish to use this as a reference so they are clear on what national audits are available to them.

DIRECTORY OF AUDIT RESULTS AS OF: JUNE 2017 (Please visit www.hqip.org.uk/resources/clinical-audit-data-for-appraisal/ to download the latest copy.)

Clinical audits by department (Click on audit title to link to further information in Appendix 1)

Anaesthetics

[Emergency laparotomy \(NELA\)](#)

[Intensive Care National Audit and Research Centre \(ICNARC\)](#)

Bariatric Surgery

[National Bariatric Surgery Register \(NBSR\)](#)

Cardiac Surgery

[National Adult Cardiac Surgery Audit \(NACSA\)](#)

Cardiac: Congenital Intervention

[National Congenital Heart Disease Audit \(NCHDA\)](#)

Cardiology

[National Audit of Cardiac Rhythm Management \(CRM\)](#)

[National Audit of Percutaneous Coronary Intervention \(NAPCI\)](#)

[National Heart Failure Audit](#)

[Myocardial Ischaemia National Audit Project \(MINAP\)](#)

Colorectal

[Bowel Cancer Audit \(NBCA\)](#)

Diabetes Services

[National Diabetes Audit \(NDA\)](#)

[National Diabetes Inpatient Audit \(NaDIA\)](#)

[National Diabetes Footcare Audit \(NDFA\)](#)

[National Pregnancy in Diabetes \(NPID\) Audit](#)

Endocrine and Thyroid Surgery

[British Association of Endocrine and Thyroid Surgeon National Audit \(BAETS Audit\)](#)

Gastroenterology

[Emergency laparotomy \(NELA\)](#)
[Inflammatory Bowel Disease \(IBD\) audit](#)

Geriatric Medicine

[Falls and Fragility Fractures Audit Programme \(FFFAP\) \(includes the Hip Fracture Database\)](#)
[National Hip Fracture Database \(NHFD\)](#)
[Fracture Liaison Service Database \(FLS-DB\)](#)
[National Audit of Inpatient Falls \(NAIF\)](#)
[Sentinel Stroke National Audit Programme \(SSNAP\)](#)
[Trauma Audit and Research Network \(TARN\) -Major Trauma in Older People report](#)

Clinical audits by department (Continued – click titles to link to further information in Appendix 1)

Head and Neck

[Head and Neck Cancer Audit \(HANA\)](#)

Intensive Care

[Intensive Care National Audit and Research Centre \(ICNARC\)](#)

Neonatology

[National Neonatal Audit Programme \(NNAP\)](#)

Neurosurgery

[Neurosurgical National Audit Programme \(NNAP\)](#)

Obstetrics

[National Maternity and Perinatal Audit \(NMPA\)](#)

Ophthalmology

[National Ophthalmology Database \(NOD\)](#)

Orthopaedics

[National Joint Registry \(NJR\)](#)

Paediatrics

[National Paediatric Diabetes Audit \(NPDA\)](#)
[Paediatric Intensive Care Audit Network \(PICANet\)](#)

Psychiatry

[National Audit of Dementia](#)

Respiratory Medicine

[National Chronic Obstructive Pulmonary Disease \(COPD\) Audit](#)

National Lung Cancer Audit (NCLA)

Rheumatology

National Clinical Audit of Rheumatoid and Early and Arthritis

Stroke Services

Sentinel Stroke National Audit Programme (SSNAP)

Trauma

Trauma Audit and Research Network (TARN)

Upper GI Surgery

National Oesophageal-Gastric Cancer Audit

Urological Surgery

Surgical Outcomes Audit

National Prostate Cancer Audit (NPCA)

Vascular Surgery

National Vascular Registry (NVR)

5 Assessing participation

Each audit is organised in a different way, and local arrangements for meeting requirements for participation will also vary. As such, it would not be feasible for us to provide detailed information to allow a full assessment of participation. As such, we recommend that any clinician preparing for appraisal uses a series of standard questions to assess participation, capturing the information in their appraisal documentation:

1. Are there any National Clinical Audits in your area of activity?
2. What is your unit's and personal participation in this/these audits?
3. What are your participation statistics on both a unit and personal basis (number of cases & case ascertainment¹, data completeness²)
4. What do you do to assess and improve the accuracy and completeness of the audits data collection process?
5. What reflections have you made on the audit findings, both for your own practice and the practice of your unit/team?
6. What actions have you taken or will you take as a result?

We believe that such a check list will be helpful for individual clinicians, appraisers and CDs and ROs/MDs and will deliver a higher quality of information through the appraisal process. While our focus is on increasing participation in audits, points 5 and 6 consider how the data is actually be used to drive quality improve by an individual and a team. For team based audits there should be a formal review of the team's annual performance as outlined in the audit's annual report. Ideally this would be captured in a minuted, multidisciplinary meeting with the outcome of a specific action plan for that team. The same question prompts as listed above could also support this exercise. Such a report could be uploaded into an individual's appraisal portfolio and the consultant add a reflective note as

¹ Case ascertainment measures whether or not all the patients treated by a clinician or their team are included in the audit. Sometimes set criteria will mean not all patients are expected to be included, but this will usually be small numbers of patients.

² This relates to whether or not all the information about included patients and their treatment is submitted to the audit. For example the audit might have a patient listed as having an operation, but it won't know what the patient risk factors were for risk adjustment, or what complications they suffered.

to their participation and what individual action that individual plans to take or what part of the action plan they might lead on. This could be progressed into their individual personal development plan if appropriate.

6. Can individual clinicians and appraisers review results and participation independently?

There are a number of routes through which a clinician or an appraiser can review audit findings for individuals and teams. We've tried to make this as easy as possible by providing links directly to team level data in Appendix 1, and when not available links to audit homepages with instructions on where to find the data.

A number of the national clinical audits are participating in the Clinical Outcomes Publication (COP) programme. This involves the publication of their data on NHS Choices and MyNHS. For those audits publishing at individual consultant level this makes it easy to access the audit findings when preparing for one's appraisal. As an appraiser it allows you to direct a clinician due to be appraised to a source of information to present at appraisal. These links are included in Appendix 1, but keep in mind these pages don't always have the widest range of information about performance which may be better available on the audit website.

For a number of these publications, some of the measures published (usually mortality) on the website are subjected to an **outlier analysis**. This means that those clinicians with performance measures very significantly outside of the expected range (3 standard deviations or 99.8%) are identified as such on the website (and via communication with the individual and Trust Medical Director). It is worth noting that clinicians varying up to 2 standard deviations or 95% will often be notified but not publically identified as an outlier. Enquiring about outlier status at 2SD is another potentially meaningful way to make use of NCA data during appraisal.

Appendix 1 – National clinical audits

Here is a complete list of the National Clinical Audit Programmes currently commissioned by HQIP plus other key NCAs carried out independently. Please note, over time the data linked to this directory will be updated. Please revisit the relevant webpage to ensure that you are using the most recent version.

A full and comprehensive directory of HQIP-commissioned NCAs is available here:
www.hqip.org.uk/national-programmes/a-z-of-nca/

MyNHS also has an easy access directory of National Clinical Audit data available:
www.nhs.uk/service-search/Performance/Search

Anaesthetics

Emergency laparotomy (NELA)

Provider: The Royal College of Anaesthetists National Institute of Academic Anaesthesia's Health Services Research Centre

NELA audits patients undergoing emergency laparotomy comparing against standards of care such as those detailed by NCEPOD including safe delivery of care, unplanned return to theatre, unplanned admission to critical care.

- Information on the audit is here: <http://www.nela.org.uk/>
- Individual consultant outcomes are not available
- Outcomes by hospital are available here: <https://www.nhs.uk/service-search/performance/results?resultsViewId=1184>

Intensive Care National Audit and Research Centre (ICNARC)

ICNARC run a series of audits. The Case Mix Programme (CMP) audits contain patient outcomes from adult, general critical care units (intensive care and combined intensive care/high dependency units).

It collects data on high risk sepsis admissions, unit-acquired infections, discharges and transfers, re-admissions and mortality.

- Information on the audit is here: <https://www.icnarc.org/Our-Audit/Audits/Cmp/About>
- Individual consultant outcomes are not available
- Hospital outcomes are here in the Results tab:
<https://onlinereports.icnarc.org/Reports/2016/4/annual-quality-report-201415-for-adult-critical-care#>

Bariatric Surgery

National Bariatric Surgery Register (NBSR)

Provider: The British Obesity and Metabolic Surgery Society (BOMSS)

The NBSR reports on in-hospital mortality for all UK bariatric surgical operations in both NHS and private hospitals.

- Information on the audit is here: <http://www.bomss.org.uk/nbsr/>
- Individual consultant outcomes are here: <https://www.nhs.uk/service-search/consultants/performanceindicators/1032>
- Hospital outcomes are here: <https://www.nhs.uk/service-search/performance/results?resultsViewId=1169>

Cardiac Surgery

National Adult Cardiac Surgery Audit (NACSA)

Provider: National Institute for Cardiovascular Outcomes Research (NICOR), with the Society for Cardiothoracic Surgeons (SCTS)

NACSA covers all NHS patients who have had major heart operations including aortic surgery, Coronary Artery Bypass Graft (CABG) and Valve replacement/repair and reports on number of operations and in-hospital survival rate.

- Information on the audit is here: <https://www.ucl.ac.uk/nicor/audits/adultcardiac>
- Individual consultant outcomes are here: <https://www.nhs.uk/service-search/consultants/performanceindicators/1018>
- Outcomes by hospital are here: <https://www.nhs.uk/service-search/performance/results?resultsViewId=1129>

Cardiac: Congenital Intervention

National Congenital Heart Disease Audit (NCHDA)

Provider: National Institute for Cardiovascular Outcomes Research (NICOR)

NCHDA collects data on all cardiac or intrathoracic great vessel procedures carried out in patients under the age of 16 years, and all adult congenital cardiac procedures performed for a cardiac defect present from birth.

- Information on the audit is here: <https://www.ucl.ac.uk/nicor/audits/congenital> & https://nicor4.nicor.org.uk/CHD/an_paeds.nsf/vwContent/home?Opendocument
- Individual consultant outcomes are not available
- Outcomes by hospital are here: https://nicor4.nicor.org.uk/CHD/an_paeds.nsf/WSummaryYears?openview&RestrictToCategory=2015&start=1&count=500

Cardiology

National Audit of Cardiac Rhythm Management (CRM)

Provider: National Institute for Cardiovascular Outcomes Research (NICOR) with the British Heart Rhythm Society (BHRS)

The 2015/16 Annual report contains the number of new and replacement implantations made by each participating hospital analysed by type of device (Pacemaker, ICD, CRT-P, CRT-D).

- Information on the audit is here: <https://www.ucl.ac.uk/nicor/audits/cardiocrhythm/about>
- Individual consultant outcomes are not available
- Outcomes by hospital are in the Annual Report (2014/15) from p.45 which can be downloaded from the this page: <https://www.ucl.ac.uk/nicor/audits/cardiocrhythm/reports>

National Audit of Percutaneous Coronary Intervention (NAPCI)

Provider: National Institute for Cardiovascular Outcomes Research (NICOR)

NAPCI provides risk-adjusted comparative data on the provision of PCI including number of procedures, freedom from major adverse events, 30 day survival, % patients treated using radial artery access.

- Information on the audit is here: <https://www.ucl.ac.uk/nicor/audits/adultpercutaneous>
- Individual consultant outcomes are here: <https://www.nhs.uk/service-search/consultants/performanceindicators/1024>
- Hospital outcomes are here: <https://www.nhs.uk/service-search/performance/results?resultsViewId=1086>

National Heart Failure Audit

Provider: National Institute for Cardiovascular Outcomes Research (NICOR), with the British Society of Heart Failure (BSH)

This audit covers patients with an unscheduled admission for heart failure. It collects data on participation, ascertainment, admissions, % receiving an echo, % cardiology inpatient, % receiving input from consultant cardiologist and % receiving input from specialist.

- Information on the audit is here: <https://www.ucl.ac.uk/nicor/audits/heartfailure/about>
- Individual consultant outcomes are not available
- Outcomes by hospital (2014/15) are in the annual report here – tables starts on page 26: <http://www.ucl.ac.uk/nicor/audits/heartfailure/reports>

Cardiology (continued)

Myocardial Ischaemia National Audit Project (MINAP)

Provider: National Institute for Cardiovascular Outcomes Research (NICOR)

MINAP covers UK hospitals and ambulance services. MINAP provides comparative data on primary PCI treatment times, unadjusted 30-day survival for STEMI patients, % NSTEMI patients admitted to a CCU, % NSTEMI patients under a cardiologist, % patients discharged with all medication.

- Information on the audit is here: <https://www.ucl.ac.uk/nicor/audits/minap/transparency>
- The 2015/16 annual reports is available here (scroll down page for link): https://www.ucl.ac.uk/nicor/audits/minap/documents/annual_reports/minap-2015-16-annualreport
- Hospital outcomes are here: <https://www.nhs.uk/service-search/performance/results?resultsViewId=1086>

Colorectal

Bowel Cancer Audit (NBCA)

Provider: Royal College of Surgeons (RCS) Clinical Effectiveness Unit (CEU), NHS Digital, and the Association of Coloproctology of Great Britain and Ireland (ACPGBI)

NBCA covers all data from patients with a diagnosis of bowel cancer admitted for the first time. It measures short and medium term survival and surgical outcomes such as mortality and length of stay.

- Information on the audit is here: <https://www.hqip.org.uk/a-z-of-nca/national-bowel-cancer-audit/>
- Individual consultant outcomes are here: <https://www.nhs.uk/service-search/consultants/performanceindicators/1030>
- Outcomes by hospital are here: <https://www.nhs.uk/service-search/performance/results?resultsViewId=1159>

Diabetes Services

National Diabetes Audit (NDA)

Provider: NHS Digital in partnership with Diabetes UK and the National Cardiovascular Intelligence Network (part of Public Health England)

The NDA collects data from GP practices in England and Wales. Information on the Core audit can be found here <https://digital.nhs.uk/data-and-information/clinical-audits-and-registries/our-clinical-audits-and-registries/national-diabetes-audit>. The audit has three work-streams related to hospital care:

National Diabetes Inpatient Audit (NaDIA)

NaDIA is a snapshot audit that takes place each year collecting information on staffing structures, patient clinical data and patient experience information to address complications, risk, patient experience and improvement. The 2016 Annual Report is expected to be published spring 2017 alongside the 2015 version.

- Information on NaDIA is here: <https://digital.nhs.uk/data-and-information/clinical-audits-and-registries/our-clinical-audits-and-registries/national-diabetes-inpatient-audit>
- Summary of 2017 report is available here: <https://digital.nhs.uk/data-and-information/publications/statistical/national-diabetes-inpatient-audit/national-diabetes-inpatient-audit-nadia-2017>
 - Individual consultant outcomes are not available
- Outcomes by hospital as a spreadsheet to download are here: <https://digital.nhs.uk/data-and-information/publications/statistical/national-diabetes-inpatient-audit/national-diabetes-inpatient-audit-nadia-2017>

National Diabetes Footcare Audit (NDFA)

NDFA enables all diabetes footcare services to measure their performance against NICE clinical guidelines and peer units, and to monitor adverse outcomes for people with diabetes who develop diabetic foot disease.

- Information on the audit is here: <https://digital.nhs.uk/data-and-information/clinical-audits-and-registries/our-clinical-audits-and-registries/national-diabetes-foot-care-audit>
- Summary of 2018 report is available here: <https://digital.nhs.uk/data-and-information/publications/statistical/national-diabetes-footcare-audit/national-diabetes-foot-care-audit-2014-2017>
 - Individual consultant outcomes are not available
- Outcomes for 2015 by hospital as a spreadsheet to download are here: <https://digital.nhs.uk/data-and-information/publications/statistical/national-diabetes-footcare-audit/national-diabetes-foot-care-audit-2014-2017#section-resources>

National Pregnancy in Diabetes (NPID) Audit

NPID is a continuous audit of the quality of care and outcomes for women with diabetes who become pregnant.

- Information on the audit is here: <https://digital.nhs.uk/data-and-information/clinical-audits-and-registries/our-clinical-audits-and-registries/national-pregnancy-in-diabetes-audit>
- Summary of 2017 report is available here: <https://digital.nhs.uk/data-and-information/publications/statistical/national-pregnancy-in-diabetes-audit/national-pregnancy-in-diabetes-annual-report-2016>
 - Individual consultant outcomes are not available
- Outcomes by hospital as a spreadsheet to download are here <https://digital.nhs.uk/data-and-information/publications/statistical/national-pregnancy-in-diabetes-audit/national-pregnancy-in-diabetes-annual-report-2016>

Endocrine and Thyroid Surgery

British Association of Endocrine and Thyroid Surgeon National Audit (BAETS Audit)

Provider: British Association of Endocrine and Thyroid Surgeons

Providing endocrine outcomes information, principally thyroid, parathyroid and adrenal glands, and reporting on mortality, haemorrhage re-operation, related readmissions and late hypocalcaemia.

- Information on the audit is here: <http://www.baets.org.uk/audit/>
- Individual consultant outcomes are here: <https://www.nhs.uk/service-search/consultants/performanceindicators/1034>
- Hospital outcomes are not available

Gastroenterology

Emergency laparotomy (NELA)

Provider: The Royal College of Anaesthetists National Institute of Academic Anaesthesia's Health Services Research Centre

NELA compares against standards of care such as those detailed by NCEPOD including safe delivery of care, unplanned return to theatre, unplanned admission to critical care. an

- Information on the audit is here: <http://www.nela.org.uk/>
- Individual consultant outcomes are not available
- Outcomes by hospital are available here: <https://www.nhs.uk/service-search/performance/results?resultsViewId=1184d>

Inflammatory Bowel Disease (IBD) audit

Provider: Royal College of Physicians (RCP)

IBD audits cover adults and children with IBD and covers therapies, organisation and patient experience. In 2017 IBD transitioned to the IBD Registry <http://ibdregistry.org.uk/>

- Information on the audit is here: <https://www.rcplondon.ac.uk/projects/ibd-programme>
- Individual consultant outcomes are not available
- Outcomes by hospital are here for download: <https://www.rcplondon.ac.uk/projects/outputs/ibd-audit-and-transparency-data>

- Inpatient experience questionnaire (2014):
<https://www.rcplondon.ac.uk/file/2221/download?token=CfPqhtpz>
- Adult organisation (2014):
<https://www.rcplondon.ac.uk/file/2211/download?token=Fk1otmrC>
- Adult inpatient care (2014):
<https://www.rcplondon.ac.uk/file/2210/download?token=5YMwbNK2>
- Paediatric organisation (2014):
<https://www.rcplondon.ac.uk/file/2225/download?token=JbqvU1Kw>
- Paediatric inpatient care (2014):
<https://www.rcplondon.ac.uk/file/2224/download?token=N7Rasdi2>

Geriatric Medicine

Falls and Fragility Fractures Audit Programme (FFFAP) (includes the Hip Fracture Database)

Provider: The Royal College of Physicians (RCP) run the Falls and Fragility Fracture Audit Programme (FFFAP)

FFFAP audits care both before and after hip fracture. The three work-streams are:

National Hip Fracture Database (NHFD)

Covers all patients admitted to hospital with hip fractures collecting data on the delivery of care and surgical outcomes.

- Information on the audit is here: <https://www.rcplondon.ac.uk/projects/national-hip-fracture-database-nhfd>
- Individual consultant outcomes are not available
- Outcomes by hospital are here: <https://www.nhs.uk/service-search/performance/results?resultsViewId=1178>

Fracture Liaison Service Database (FLS-DB)

This is an audit of secondary fracture prevention for patients aged over 50 years who have suffered a fragility fracture. The first report will be published in spring 2017.

- Information on the audit is here: <https://www.rcplondon.ac.uk/projects/fracture-liaison-service-database-fls-db>

National Audit of Inpatient Falls (NAIF)

This measures compliance against national standards of best practice in reducing risk of falls within an acute hospital.

- Information on the audit is here: <https://www.rcplondon.ac.uk/projects/falls-workstream-national-audit-inpatient-falls>
- Individual consultant outcomes are not available
- Outcomes by hospital are in the 2017 Annual report which can be downloaded here: <https://www.rcplondon.ac.uk/projects/outputs/naif-audit-report-2017>

Sentinel Stroke National Audit Programme (SSNAP – see [Stroke Services](#))

Trauma Audit and Research Network (TARN – see [Trauma and Orthopaedics](#))

Head and Neck

Head and Neck Cancer Audit (HANA)

Provider: Saving Faces

HANA audits patients diagnosed with new primary or recurrent head and neck cancer. It reports on process and outcomes such as number of procedures, MDT management and 30-day post-operative mortality.

- Information on the audit is here: <http://headandneckaudit.com/>
- Individual consultant outcomes are here: <https://www.nhs.uk/service-search/consultants/performanceindicators/1021>
- Outcomes by hospital are here: <https://www.nhs.uk/service-search/performance-indicators/organisations/hospital-specialties-head-and-neck-cancer-surgery?ResultsViewId=1181>

Intensive Care

Intensive Care National Audit and Research Centre (ICNARC)

ICNARC run a series of audits. The Case Mix Programme (CMP) audits patient outcomes from adult, general critical care units (intensive care and combined intensive care/high dependency units). It collects data on high risk sepsis admissions, unit-acquired infections, discharges and transfers, re-admissions and mortality.

- Information on the audit is here: <https://www.icnarc.org/Our-Audit/Audits/Cmp/About>
- Individual consultant outcomes are not available
- Hospital outcomes are here in the Results tab: <https://onlinereports.icnarc.org/Reports/2016/4/annual-quality-report-201415-for-adult-critical-care#>

Neonatology

National Neonatal Audit Programme (NNAP)

Provider: The Royal College of Paediatrics and Child Health (RCPCH)

Information is reported on indicators of good neonatal intensive and special services. Care including temperature taken, mother given steroids, Retinopathy of Prematurity (ROP) screening, use of mother's milk, 2 year survival, pathogen acquisition.

- Information on the audit is here: <https://www.rcpch.ac.uk/work-we-do/quality-improvement-patient-safety/national-neonatal-audit-programme-nnap>
- Individual consultant outcomes are not available
- Outcomes by hospital are here: <https://www.nhs.uk/service-search/performance-indicators/organisations/hospital-specialties-neonatal-care?ResultsViewId=1197>

Neurosurgery

Neurosurgical National Audit Programme (NNAP)

Provider: The Society of British Neurological Surgeons (SBNS)

The Neurosurgical National Audit Programme (NNAP) which audits elective and emergency neurosurgical activity reporting on the number and type of procedures and outcomes such as 30 day mortality.

- Information on the audit is here: <http://www.sbns.org.uk/index.php/audit/>
- Individual consultant outcomes are here: <https://www.nhs.uk/service-search/consultants/performanceindicators/1039>
- Hospital outcomes grouped as cranial, spinal and other surgeries are here: <https://www.nhs.uk/service-search/performance/results?resultsViewId=1161>

Obstetrics

National Maternity and Perinatal Audit (NMPA)

Provider: The Royal College of Obstetricians and Gynaecologists (RCOG) in partnership with the Royal College of Midwives, the Royal College of Paediatrics and Child Health and the London School of Hygiene and Tropical Medicine

NMPA includes a continuous prospective clinical audit of a number of key interventions and outcomes which will identify unexpected variation between service providers or regions and a flexible programme of periodic 'sprint audits' that examine specific topics within a focused time frame. It began in July 2016 with data expected to be published in autumn 2017.

- Information on the audit is here: <http://www.maternityaudit.org.uk/>

Ophthalmology

National Ophthalmology Database (NOD)

Provider: Royal College of Ophthalmologists

The NOD audit utilises validated and risk (case complexity) adjusted measures of quality. There are datasets for cataract surgery and age-related macular degeneration (AMD) with the aim to include other datasets including glaucoma and retinal detachment surgery. Consultant and hospital level data is available locally to audit participants and will be publically available from Quarter 1 17/18.

- Information on the audit is here: <https://www.nodataudit.org.uk/about/overview>
- Individual consultant outcomes for cataract surgery are here: <https://www.nhs.uk/service-search/performance-indicators/consultants/consultants-cataract-surgery?ResultsViewId=1187>
- Hospital outcomes for cataract surgery are here: <https://www.nhs.uk/service-search/performance-indicators/organisations/hospital-specialties-cataract-surgery?ResultsViewId=1189>

Orthopaedics

National Joint Registry (NJR)

The National Joint Registry (NJR) was set up by the Department of Health and Welsh Government in 2002 to collect information on all hip, knee, ankle, and elbow and shoulder replacement operations.

The NJR monitors the outcomes achieved by brand of prosthesis, hospital and surgeon, and highlights where these fall below an expected performance in order to allow prompt investigation and to support follow-up action.

The NJR is also currently developing a facility to record the access and use of the surgeons' NJR data by appraisers and appraisees as part of this process.

Information on the audit is here: <http://www.njrcentre.org.uk/njrcentre/Default.aspx>

Individual consultant outcomes are available here:

- Hip: <https://www.nhs.uk/service-search/consultants/performanceindicators/1163>
- Ankle: <https://www.nhs.uk/service-search/consultants/performanceindicators/1136>
- Elbow and shoulder: <https://www.nhs.uk/service-search/performance-indicators/consultants/consultants-elbow-and-shoulder-surgery?ResultsViewId=1137>
- Knee: <https://www.nhs.uk/service-search/performance-indicators/consultants/consultants-knee-replacement?ResultsViewId=1162>

Outcomes by hospital are here:

- Hip: <https://www.nhs.uk/service-search/performance/results?resultsViewId=1082>
- Ankle: <https://www.nhs.uk/service-search/performance/results?resultsViewId=1157>
- Elbow and shoulder: <https://www.nhs.uk/service-search/performance-indicators/organisations/hospital-specialties-elbow-and-shoulder-surgery?ResultsViewId=1158>
- Knee: <https://www.nhs.uk/service-search/performance-indicators/organisations/hospital-specialties-knee-replacement?ResultsViewId=1083>

Paediatrics

National Paediatric Diabetes Audit (NPDA)

Provider: The Royal College of Paediatrics and Child Health (RCPCH) run the National Paediatric Diabetes Audit (NPDA)

It covers diabetes incidence, prevalence, outcomes and compliance with care processes.

- Information on the audit is here: <https://www.rcpch.ac.uk/work-we-do/quality-improvement-patient-safety/national-paediatrics-diabetes-audit>
- Individual consultant outcomes are not available
- Outcomes by hospital as a spreadsheet to download are here; <https://www.rcpch.ac.uk/resources/national-paediatric-diabetes-audit-2015-16-annual-report>

Paediatric Intensive Care Audit Network (PICANet)

Provider: The Universities of Leeds and Leicester

PICANet audits paediatric intensive care across the UK. Its core dataset contains demographic and clinical data on all admissions, allows comparison of PICU activity including data on admission, retrieval and transport, interventions and staffing.

- Information on the audit is here: <http://www.picanet.org.uk/About/>
- Individual consultant outcomes are not available
- Outcomes by hospital are here: <https://www.nhs.uk/service-search/performance-indicators/organisations/hospital-specialties-paediatric-intensive-care?ResultsViewId=1206>

Psychiatry

National Audit of Dementia

Provider: Royal College of Psychiatrists Centre for Quality Improvement

Inpatients with dementia are eligible for inclusion. Data is collected from case-notes and includes detailed data on admission, assessments, prescriptions and discharge.

- Information on the audit is here: <http://www.rcpsych.ac.uk/workinpsychiatry/qualityimprovement/nationalclinicalaudits/dementia/nationalauditofdementia.aspx>
- Individual consultant outcomes are not available
- Outcomes by hospital are here: <https://www.nhs.uk/service-search/performance-indicators/organisations/hospital-specialties-dementia-services?ResultsViewId=1193>

Respiratory Medicine

National Asthma and COPD Audit Programme (NACAP)

Provider: Royal College of Physicians (RCP)

The NACA_ audit programme brings together asthma (adult and paediatric) and chronic obstructive pulmonary disease (COPD), and covers primary care, secondary care, rehabilitation and patient experience.

- Information on the audit is here: <https://www.rcplondon.ac.uk/projects/national-copd-audit-programme>
Audit data is available for:
- Secondary clinical care report published in 2018: <https://www.hqip.org.uk/resource/copd-national-clinical-audit-report-working-together/>
- Secondary care snapshot audit – snapshot audit of the organisation and resourcing of COPD care (2018): <https://www.hqip.org.uk/resource/copd-resources-and-integration-of-care-hospitals-time-to-integrate/>
- Pulmonary rehabilitation snapshot audit – the resources and organisation of PR services and the process and clinical outcomes of treatment in patients with COPD (2018): <https://www.hqip.org.uk/resource/national-copd-audit-programme-outcomes-from-the-clinical-audit-of-pulmonary-rehabilitation-services-in-england-2015/>

National Lung Cancer Audit (NLCA)

Provider: Royal College of Physicians (RCP)

NLCA reports on number of procedures, post-operative survival and length of stay on approximately 100% of incident lung cancer cases.

- Information on the audit is here: <https://www.rcplondon.ac.uk/projects/national-lung-cancer-audit>
- Individual consultant outcomes are here: <https://www.nhs.uk/service-search/consultants/performanceindicators/1022>
- Outcomes by hospital are here: <https://www.nhs.uk/service-search/performance/results?resultsViewId=1164>

Rheumatology

National Clinical Audit of Rheumatoid and Early and Arthritis

Provider: The British Society for Rheumatology (BSR – ran the first National Clinical Audit of Rheumatoid and Early and Arthritis)

This audit identifies areas where service improvements are required using criteria derived from NICE and Best Practice Tariffs together with patient recorded outcome and experience measures. Following the publication of the second annual report in July 2016, BSR did an analysis to identify providers which had performed well in relation to the statements within NICE Quality Standard 33 <https://www.nice.org.uk/guidance/qs33>. They provided case studies to explain how they had achieved these results. Future audits are to be determined.

- Information on the audit is here: <http://www.rheumatology.org.uk/resources/audits/default.aspx>
- Annual Reports are here: http://www.rheumatology.org.uk/resources/audits/annual_report/default.aspx
- Case studies are here: <https://www.rheumatology.org.uk/Portals/0/Policy/Audit%20reports/Case%20studies/Audit%20case%20studies.pdf>

Stroke Services

Sentinel Stroke National Audit Programme (SSNAP)

Provider: The Royal College of Physicians (RCP) and Kings College London (KCL)

SSNAP audits the organisation and delivery of multi-disciplinary inpatient services, collects a minimum dataset for stroke patients, follows the pathway through recovery, rehabilitation, and examines the outcomes at the point of six-month assessment. It produces an array of reporting outputs. Included in SSNAP's reporting suite are colour coded performance tables which give a high level summary of hospitals' performance across 10 key aspects of stroke care, an overall SSNAP score is also given. The summary results portfolio gives a more detailed analysis of every hospital's performance across each key indicator of care measured by SSNAP.

- Information on the audit is here: <https://www.strokeaudit.org/>
- Individual consultant outcomes are not available
- Outcomes by hospital, region and CCG are available are: <https://www.strokeaudit.org/results/Clinical-audit.aspx>

Trauma

Trauma Audit and Research Network (TARN)

Provider: Trauma Audit and Research Network (TARN)

Collects survival rate data and other measures for patients injured and treated at different hospitals.

- Information on the audit is here: <https://www.tarn.ac.uk/>
- Major Trauma in Older People report is here: <https://www.tarn.ac.uk/Content.aspx?c=3793>
- Hospital outcomes are available here: <https://www.nhs.uk/service-search/performance-indicators/organisations/hospital-specialties-major-trauma-surgery?ResultsViewId=1180>
- All resources and hospital comparison tools are available here: <https://www.tarn.ac.uk/Content.aspx?ca=4>

Upper GI Surgery

National Oesophageal-Gastric Cancer Audit

Provider: Managed as a partnership by the Association of Upper Gastrointestinal Surgeons of Great Britain & Ireland (AUGIS), British Society of Gastroenterologists (BSG), Royal College of Radiologists (RCR), The Clinical Effectiveness Unit at the Royal College of Surgeons of England and NHS Digital

Patients with OGC (curative and palliative), and oesophageal high-grade glandular dysplasia eligible for inclusion. Measures include procedure numbers, post-operative mortality rate and length of stay.

- Information on the audit is here: <https://digital.nhs.uk/data-and-information/clinical-audits-and-registries/our-clinical-audits-and-registries/national-oesophago-gastric-cancer-audit>
- Individual consultant outcomes are here: <https://www.nhs.uk/service-search/consultants/performanceindicators/1025>
- Outcomes by hospital: <https://www.nhs.uk/service-search/performance/results?resultsViewId=1132>

Urological Surgery

Surgical Outcomes Audit

Provider: The British Association of Urological Surgeons (BAUS)

BAUS runs several urological audits across nephrectomy, PCNL, SUI and radical prostatectomy, urethroplasty or radical cystectomy. They cover a mixture of volumes and case-mix, complications and patient reported outcomes.

- Information on the audit programme is here: http://www.baus.org.uk/patients/surgical_outcomes/default.aspx which includes links to the pages for each audit. Individual consultant outcomes for Nephrectomy, PCNL, SUI and Radical

Prostatectomy are here by selecting the procedure: <https://www.nhs.uk/service-search/consultants/performanceindicators/1020>

- Hospital outcomes for Nephrectomy, PCNL, SUI and Radical Prostatectomy are here by selecting the procedure: <https://www.nhs.uk/service-search/performance/results?resultsViewId=1127>
- Individual consultant outcomes by region for Urethroplasty are available on http://www.baus.org.uk/patients/surgical_outcomes/urethroplasty/default.aspx
- Individual consultant outcomes by region for Radical Cystectomy are available on http://www.baus.org.uk/patients/surgical_outcomes/cystectomy/default.aspx

Urological Surgery (continued)

National Prostate Cancer Audit (NPCA)

Provider: The British Association of Urological Surgeons (BAUS), the British Uro-Oncology Group and the National Cancer Intelligence Network, in partnership with the Royal College of Surgeons CEU run the National Prostate Cancer Audit (NPCA)

This audit collects information on every patient newly diagnosed with prostate cancer including case ascertainment, TNM and completed ASA, PSA, Gleason Score, TNM and treatment plans.

- Information on the audit is here: <https://www.npca.org.uk/>
- Individual consultant outcomes are not available
- Outcomes by hospital are here: <https://www.nhs.uk/service-search/performance-indicators/organisations/hospital-prostate-cancer?ResultsViewId=1203>

Vascular Surgery

National Vascular Registry (NVR)

Provider: Royal College of Surgeons (RCS) and Vascular Society of Great Britain and Ireland (VSGBI)

NVR examines care for patients undergoing the repair of Abdominal Aortic Aneurysms, carotid endarterectomy among stroke patients or interventions for peripheral arterial disease. Results reported include number of procedures, mortality rates, and length of stay.

- Information on is here: <https://www.vsqip.org.uk/>
- Individual consultant outcomes are here: <https://www.nhs.uk/service-search/consultants/performanceindicators/1026>
- Outcomes by hospital are here: <https://www.nhs.uk/service-search/performance/results?resultsViewId=1128>

Appendix 2 – Third party support for participation

The GMC requirements for quality improvement activity do not specify participation in relevant national clinical audit however where there is a relevant audit this would be appropriate to meet the GMC's requirements. It may be helpful for appraisers and ROs to be aware of relevant third party support for clinicians participation in national clinical audit.

The following extracts from relevant Royal college/specialty guidance will be useful in explaining to clinicians why the RO could reasonably expect clinician participation in NCAs.

Specialty	Text
Urology, Vascular, Cardiothoracic, ENT, General Surgery, Neurosurgery, Head & Neck, Trauma & Orthopaedic	National Clinical Audit. Where there are identified national clinical audit(s) that cover your area(s) of practice, it is essential that you participate. This will be mandatory for revalidation. ³ If there is a national clinical audit that falls within NHS England's programme of consultant-level outcomes publication, your results will be made available publicly. Your employer will need to facilitate the submission of data to the audit(s). It will be your responsibility to gather the relevant information from the audit (e.g. reports/downloads) to present at appraisal. https://www.rcseng.ac.uk/standards-and-research/standards-and-guidance/revalidation/guidance/
British Cardiovascular Society (PCI/MINAP)	The Central Cardiac Audit Database provides national secure and encrypted data collection systems with national audits of procedures and conditions...This summary for each year, and for the five year revalidation cycle, should be downloaded into their personal revalidation portfolio.
Academy Medical Royal Colleges: Clinical audit and revalidation	Doctors undertaking clinical activities must participate actively in high quality clinical audit. This should include local clinical audit and non-local clinical audit that relates to the doctor's specialty.... Data about the doctor's clinical activities, or data about the clinical activities of the team of which the doctor is a member, are submitted to those managing national clinical audits, or related quality improvement initiatives, that are relevant to the doctor's specialty.
Royal College of Physicians	You should participate in at least one complete audit cycle (audit, practice review and re-audit) in every 5- year cycle. Your participation in national audits may focus on the performance of the team, but there will be elements that reflect your personal practice or the results of your management of, or contribution to, the team or service of which you are part. Your own role, input, learning and response to the audit results should be reflected upon and documented.
British Association of Stroke Physicians	Participation in national audits (SSNAPP, SSCA) is strongly encouraged and reflection on the key process and outcome measures should be sought.
Royal College of Anaesthetists	Participation in national audits is expected where these are relevant to the specialty or subspecialty in which you practice. Your participation in national audits may focus on the professional performance of the team, but there will be elements that reflect your personal practice or the results of your management of, or contribution to, the team or service of which you are part. Your own role, input, learning and response to the audit results should be reflected upon and documented https://www.rcoa.ac.uk/system/files/REV-SupportingInfo_2012_1.pdf

³ This is not a mandatory GMC requirement but mandated by the respective surgical specialties for their members

Appendix 2 – Third-party support (continued)

Primary care

The national clinical audit programme has not extended well into primary care. There are however important national audits in the fields of diabetes and chronic renal disease. The Royal College of General Practitioners has produced very helpful guidance as follows:

Royal College of General Practitioners	Quality improvement activity may take many forms, including, but not restricted to: <ul style="list-style-type: none">• Large scale national audit, formal audit, review of personal outcome data, small scale data searches• Information collection and analysis (Search and Do activities)• PDSA cycles and reflective case reviews
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