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RCSI

NOCA ANNUAL CONFERENCE

Data Driving Quality

20th April 2022 • 10:00-13:00





Data Driving Quality

➤ Data-driven healthcare is premised on the idea that **better data will lead to better patient outcomes**

• *‘I am fain to sum up with an urgent appeal for adopting...some uniform system of publishing the statistical records of hospitals. There is a growing conviction that in all hospitals, even in those which are best conducted, there is a great and unnecessary waste of life...In attempting to arrive at the truth, I have applied everywhere for information, but in scarcely an instance have I been able to obtain any hospital records fit for any purposes of comparison...if wisely used, these improved statistics would tell us more of the relative value of particular operations and models of treatment than we have means of ascertaining at present...’*

• *Florence Nightingale, Notes On Hospitals, 1863*

➤ “Information is the lifeblood of medicine and health information technology is destined to be the circulator system for the information”,

David Bluementhal





NOCA Reports 2012 - 2022

Irish Heart Attack Audit >

Irish Hip Fracture Database >

Irish National Audit of Stroke >

Irish National ICU Audit >

Irish National Orthopaedic Register >

Major Trauma Audit >

National Audit of Hospital Mortality >

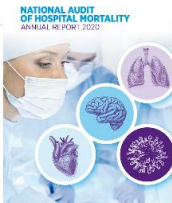
National Paediatric Mortality Register >

National Perinatal Epidemiology Centre >

NOCA manages a suite of national clinical audits. Each audit focuses on a unique area of healthcare such as hip fracture, major trauma, hospital mortality, ICU care and joint replacements. Governance structures are established both in NOCA and locally in each hospital to oversee the management and sustainability of the audit. All our audits are led at a hospital level by clinicians and supported by their management teams.

NOCA Reports

NOCA National Office of Clinical Audit NAHM National Audit of Hospital Mortality



National Audit of Hospital Mortality Annual Report 2020



NOCA Strategy 2021-2025

NOCA National Office of Clinical Audit



Potential Donor Audit Feasibility Study Report



PICANet report on COVID-19 confirmed cases admitted to paediatric intensive care



Irish Hip Fracture Database Patient Information Leaflet

NOCA National Office of Clinical Audit

ICU Bed Information System Total Beds Summary
Date and time updated - 11/04/2022 10:45





ICU Bed Information System (ICU-BIS)

HospitalName	Staffed	Occupied	Invasively ventilated	Reserved for new patient	Available	Patients cleared for discharge	Message
St James	32	29	9	5	0	12	
Tallaght (TUH)	15	14	5	3	0	3	
Tullamore	5	5	3	0	0	0	
Nass	4	4	4	0	0	0	
Portlaoise	3	3	1	0	0	0	
Mater (MMUH)	34	34	16	3	0	5	
St Vincents	15	18	11	0	0	0	
Mullingar	6	7	5	0	0	2	
St Lukes (Kilkenny)	4	5	2	1	0	1	
Wexford	5	3	0	0	2	0	
Navan	3	3	1	0	0	0	
Beaumont	23	28	14	1	0	7	
Drogheda	9	8	6	0	1	0	
Connolly	5	4	1	0	1	1	
Cavan	5	3	0	0	2	1	
Galway (LHG)	17	16	3	3	1	2	
Ballinasloe	5	4	1	0	1	1	
Letterkenny	5	3	0	0	2	0	
Castlebar	5	4	1	1	0	1	
Sligo	4	3	1	0	1	1	
Cork (CUH)	23	24	16	3	0	2	
Waterford	10	11	8	0	0	0	
Mercy Cork	6	5	4	1	0	0	
Clonmel	5	5	2	0	0	0	
Kerry/Tralee	4	5	3	1	0	1	
UHL (Limerick)	25	24	5	1	1	3	
Beacon Hospital	6	4	2	4	0	2	
Blackrock Clinic	7	3	0	4	0	0	
Bons Cork	10	7	1	1	2	0	
Galway Clinic	3	3	0	2	0	2	
Mater Priv. Dublin	9	7	2	4	0	2	
CHI (Crumlin)	21	17	10	1	3	2	
CHI (Temple Street)	8	7	4	1	0	0	



Clinical Leadership ,Quality and Transforming Care



	Clinical leaders have a critical role in enhancing quality and transforming clinical services for excellence
	Patient care is delivered by clinicians working in systems, not by individual practitioners working in isolation
	To deliver healthcare effectively requires not only an understanding of those systems but also an appreciation of how to influence and improve them for the benefit of patients
	This requires the active participation of clinicians in leading change and improvement at all levels, from the clinical team to the department, the whole organisation and out into the wider community



Our healthcare system

The COVID-19 Pandemic has shown that as medicine moves forward with advancements in science, **data** and technology **our staff remain the most critical element of healthcare system**



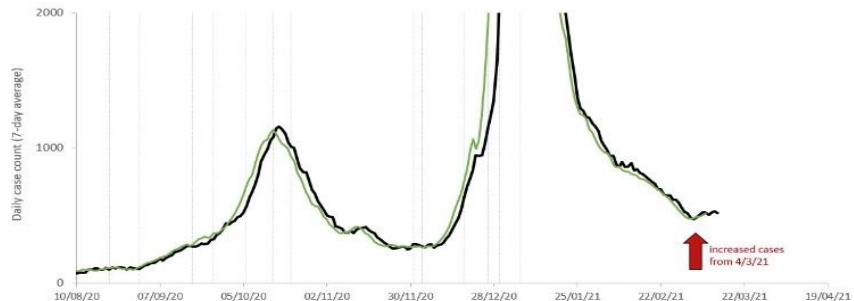
HF Samples of COVID 19 Data: the fragility of well developed healthcare Systems

Daily incidence

Daily incidence is currently twice what it was in early December, and approximately 50 times what it was in late June 2020. Incidence is plateaued at approximately 500 cases per day.



Coronavirus
COVID-19
Public Health
Advice



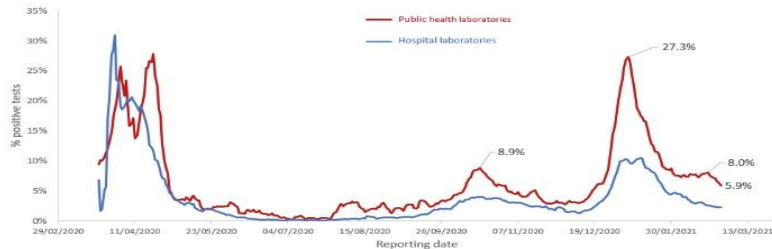
Daily cases by notification (event) date (black, the date the case was entered on the CIDR database) and specimen collection date (green). The vertical dashed lines

Test positivity: public health laboratories

The positivity rate is higher for tests conducted in public health laboratories (NVL, associated laboratories and Cherry Orchard) compared with tests conducted in hospitals. The test positivity in hospital laboratories continues to fall (2.3%). Positivity rates in public health laboratories have decreased from a peak 5-day average positivity of 27.4% on 5 January; it had been plateaued at 7.0%, but now appears to be decreasing again.



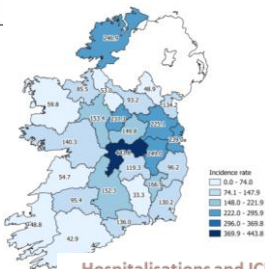
Coronavirus
COVID-19
Public Health
Advice



Data 5-day rolling averages of percentage of tests reported positive per day. Public health laboratories are NVL and associated laboratories, plus Cherry Orchard. Backlog tests outsourced to German laboratory in April are not included and are assigned to date reported.



Sláinte na hÉireann
Government of Ireland



Hospitalisations and ICU admissions among COVID-19 cases

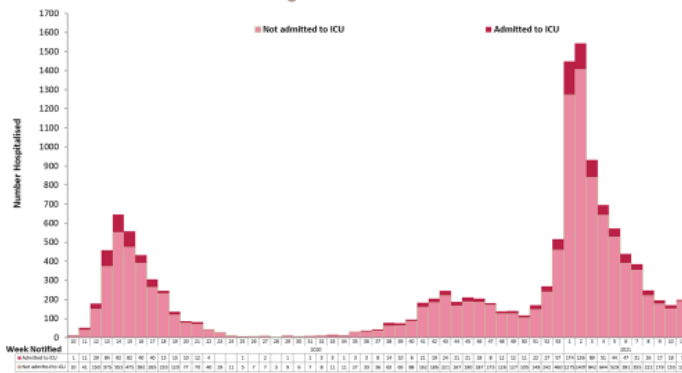


Figure 15: Number of hospitalised COVID-19 cases based on ICU admission status in Ireland between week 10, 2020 and week 11, 2021*

*Please note that the most recent weeks may not yet reflect all admissions.

Data source: CIDR March 22nd 2021





The Pandemic: Lessons learned & the way forward



Improve Population Health

- Strengthen and enhance Departments of Public Health
- Address health inequalities and improve health outcomes for vulnerable and marginalised groups
- Strong public engagement and effective communication to promote positive health seeking behaviours and halt the spread of misinformation
- Ensure robust preparedness plans are in place to respond to potential future health threats



Innovation in care delivery

- Continued and widespread adoption of digital healthcare solutions
- Reconceptualise care pathways
- Increasingly shift care delivery away from the acute setting to community settings
- Continued adaptation of new ways of managing clinical and operational processes
- Healthcare workers' well being must be supported and recognised as a care quality indicator



Data enabled health services

- Enhance clinical and operational data collection and analysis and use it to inform agile decision making
- Enhanced surveillance of disease indicators to ensure early warning mechanism are in place
- Integration of systems to enable data sharing and shared decision making



HSE National Centre for Clinical Audit Launch 2022

- HSE National Centre for Clinical Audit (NCCA) established within the QPSD, follows publication of the HSE National Review of Clinical Audit Report in 2019 & is primarily responsible for implementing the report's recommendations.
- Confirms the HSE's commitment to developing clinical audit as an essential quality & patient safety tool in Ireland promoting improved patient outcomes
- Establishing the HSE NCCA marks an important step in the HSE's continued efforts to improve the quality and safety of healthcare for patients.
- This will strengthen the development of an end-to-end process for clinical audit in accordance with the recommendations in the report & meet the needs of clinical audit service providers and multi-disciplinary stakeholders.

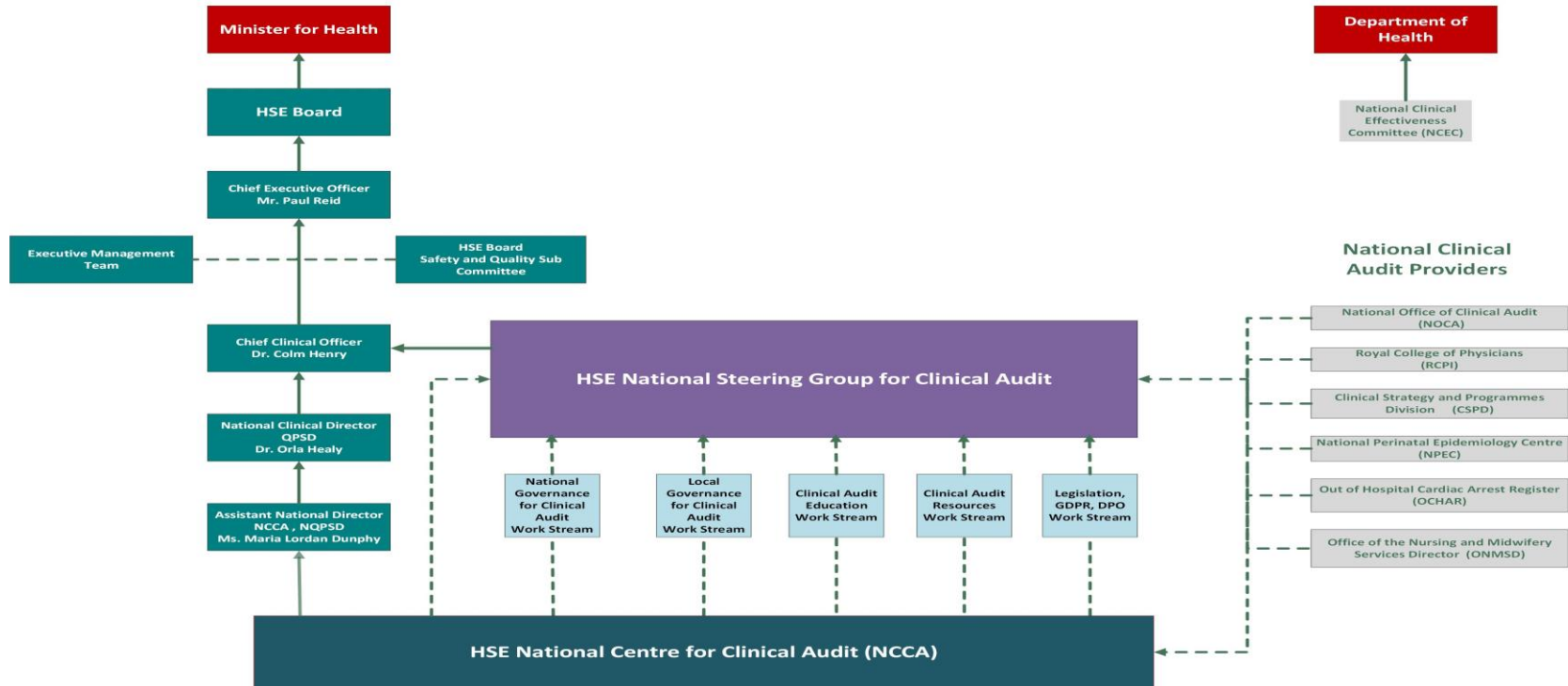




HSE National Centre for Clinical Audit Governance Structure & Reporting Lines 2022

HSE National Centre for Clinical Audit – Governance Structure & Reporting Lines 2022

Updated 28/03/2022





HSE National Centre for Clinical Audit

5 Key Pillars





NCCA Deliverables & Outcomes

- Governance for HSE National Centre for Clinical Audit agreed & operationalised
- Implementation of the recommendations of National Review of Clinical Audit Report 2019
- HSE National Steering Group for Clinical Audit established
- HSE National Centre for Clinical Audit 5 Work Streams
- HSE National Centre for Clinical Audit Website established
- HSE National Centre for Clinical Audit annual prioritisation/selection of audit process & funding agreed via HSE National Steering Group for Clinical Audit
- Establishment of the HSE National Centre for Clinical Audit to provide operational support for Clinical Audit at National and local level
- To ensure the continued development of the essential role of clinical audit to protect patients & promote improved patient outcomes by fostering learning & improvement in healthcare.





Clinical Audit Training & Education Programme 2022

- Clinical Audit E-Learning Programme (go live 8th April 2022) via HSE Land
- Range of Clinical Audit Training programmes (commencing May 2022)



Fundamentals in Clinical Audit

National Centre
for Clinical Audit
National Quality and Patient
Safety Directorate

0 Reviews

The course is designed to assist all staff to gain a good understanding of the fundamentals in clinical audit with the aim of enabling them to undertake their own successful clinical audit project.

The course is highly interactive. All learners work through four modules:

1. A brief history of clinical audit and why you should get involved
2. Defining clinical audit and the clinical audit process
3. In-depth review of the stages of the clinical audit process
4. Assessment and signposting

By undertaking the course, learners will understand why clinical audit is important and where it fits into their work. Learners will understand the seven steps involved in carrying out a clinical audit project, relevant to their own work.

Upon working through all four course modules, learners will be able to conduct a clinical audit relevant to their work. Learners will also gain the necessary skills to be able to effectively support others conducting clinical audit projects.

Learning Type: Online

Available Languages: • Multi-Language

Duration: The programme is assessed as 10 hours of learning.

Who Should Take This: • This programme is designed for anyone who wants to gain a better understanding of clinical audit and will suit those with no, minimal or some experience/familiarity of the subject matter.

Objectives: • Description





NCCA Further Information

- > HSE Board
- > Acute Hospitals Division
- > Cancer Control
- > Clinical Design and Innovation
- > Communications
- > Corporate Pharmaceutical Unit
- > Delegations Office
- > Estates
- > Finance
- > Health Business Services
- > Health and Wellbeing
- > Human Resources
- > Internal Audit
- > Mental Health

National Centre for Clinical Audit

This is the NCCA interim webpage pending the development of the NCCA Web portal



Ionad Náisiúnta
d'Iniúchadh Clínicíúil
An Stiúrthóireacht um Ardchaighdeán
agus Síobáilteacht Othar

National Centre
for Clinical Audit
National Quality and Patient
Safety Directorate

Purpose

The HSE National Centre for Clinical Audit (NCCA), established within the National Quality and Patient Safety Directorate (NQPSD), follows publication of the [HSE National Review of Clinical Audit Report 2019](#).

The NCCA is primarily responsible for implementing the HSE National Review of Clinical Audit Report recommendations under five key pillars:

- > **National Governance of Clinical Audit**
- > **Local Governance of Clinical Audit**
- > **Clinical Audit Training**
- > **Clinical Audit Education resources**
- > **Legislative Changes affecting Clinical Audit (i.e. GDPR and Data Protection).**

NCCA Website

www.hse.ie/eng/about/who/nqpsd/ncca/





Clinical Audit, Education & Resources 2022

- Clinical Audit Awareness* week UK, 13th June – 17th June 2022 – opportunity for NCCA to link in with UK networks & promote NCCA [#CAAW22 toolkit](#)
- *CAAW is a campaign to promote & celebrate the benefits & impact of clinical audit & QI work in healthcare. Run in collaboration with HQIP, N-QI-CAN & CASC, this year's event will centre around the Clinical Audit Heroes Awards
- Work underway on rewrite of 'Clinical Audit: A Practical Guide'

