National Office of Clinical Audit

NOCA AUDIT DATA

EQUIPs Webinar 16 01 2025













hello my name is...

Dr Fionnola Kelly PhD

Head of Data Analytics and Research

Marina Cronin
Head of Quality & Development,



About NOCA

Excellent healthcare for Ireland shaped by good information



National Office of Clinical Audit

CURRENT PORTFOLIO



Irish Heart Attack Audit (IHAA)



Irish National Orthopaedic Register (INOR)



Irish Hip Fracture Database (IHFD)



Irish Paediatric Critical Care Audit (IPCCA)



ICU Bed Information System (ICU-BIS)



Irish Potential Donor Audit (IPDA)



Irish National Audit of Stroke (INAS)



Major Trauma Audit (MTA)



Irish National ICU Audit (INICUA)



National Audit of Hospital Mortality (NAHM)



National Paediatric Mortality Register (NPMR)

TWO NEW AUDITS/REGISTRIES UNDERWAY

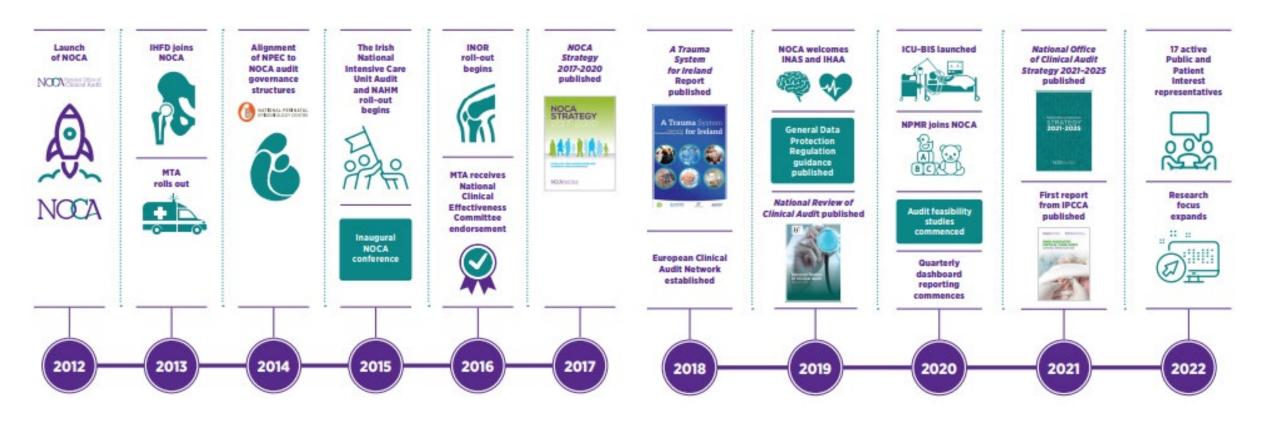


Paediatric Diabetes



Irish Breast Implant Registry (IBIR)

National Office of Clinical Audit



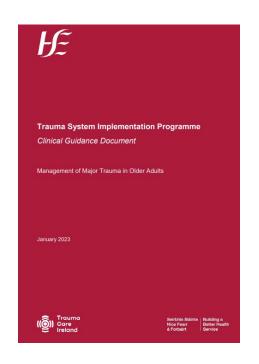


NOCA expertise – S² Standards and Skills

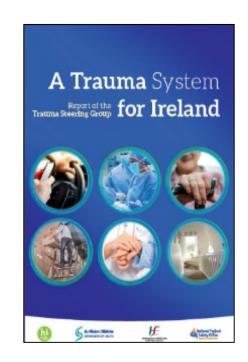


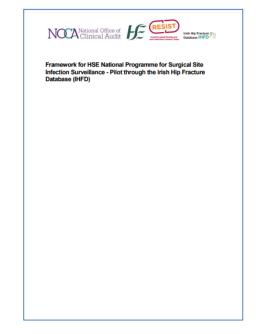


Alignment with national guidance/strategies











National Committees & Workshops

HSE Patient Safety Act Implementation Working Group HSE HIDS Working Group – IHI, Eircode **HSE DAIM - Data Access and Information Management HSE Consent Policy and Research Consent Policy HSE Data Strategy HSE DSMP - Dataset Management Process** HSE Chronic Disease Data Management Group - Diabetes/Renal/HSS **HSE HPO - HIPE Governance** HSE NCCA – National Steering Group for Clinical Audit DOH CSO Data Liaison group DOH NHQRS – National Health Quality Reporting System (DoH) DOH NCEC – National Clinical Effectiveness Committee HIQA - Advisory Group Information Standards RCPI – National SQI Steering Committee Future of Audits & Registries Working Group (FORT)



Audit & QI

IMPACT GROUP/ QI LEAD

QI BY DESIGN **PARTNERSHIPS**

RESEARCH A&F, EQUIPs













NOCA Conference 2025

Register here

REGISTRATION OPEN NOCA ANNUAL CONFERENCE 2025

Data-Driven Healthcare:

Planning, Delivering, Improving

4th February 2025 from 9:45am - 4pm

RCSI, Dublin 2





PERSON EVENT

NOCA IN THE NEWS

Over 200 pieces across print, broadcast and digital media since the **NOCA Strategy was implemented**



'We were told there was no more they could do for Sophie' mother of girl (3) who had to be flown to Sweden f

Ellish O'Rogan

RTÉ News

The mother of a critically ill girl who had to be airlifted to Sweden for advanced life-support not available in Insland is backing a new report calling...





Professor RORY DWYER

Clinical Lead, Irish National ICU Audit



NOCA Champions 2024 - Health Manager Triank Drink! - The Coloured Jug Hydration project, from HSS Midlands Louth Month Community Healthcare...

'I woke up from 17-day come and was sure I'd lost my baby' --

Dublin mother Laura Curtin was plunged into a nightmare after she compacted

Could 19 while pregnant with her daughter - leaving her in an induced core.

mum recalls Covid nightmane

Itish Independent.



ireland has fewer critical-care beds than European norm, report

Sharin Rowers

Occupancy of Interview case units expulsify exceed recommended levels

The Irish Times



New programme to encourage people to ... X Dr. Alan Gaffney, Consultant Anaesthesiologist in Intensive. Care at Beaumont Hospital discusses the roll out of a new...



Ireland 'miles away' from having enough i... X The number of intensive care beds in Ireland is far below

the OECD average.

www.theloumal.ie.



reporter Josh Crasble asks what the staffing plan is or doe...

www.goloudplayer.com-

healthmanager in



Admissions to children's critical care units up 14% on prenumbersic levels.

Occupancy rates regularly exceed recommended levels, audit finits



Watchdog raises 'urgent' need to plan staf ... X Children's Health Ireland has carried out recruitment trice:

NOCA launches Irish potential donor audit... X

The National Office of Clinical Audit (NOCA), in conjunction

in India and the UAE. The Journal understands.

with HSE Organ Donation Transplant Inviend, has ...

enew their amalile.

www.nudicalindapandentia





Lack of capacity and slow discharges leadi... X

One-in-four patients still in ICU 28 hours after decision. made to discharge them.

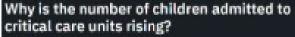


A new report has from that the proteons on intensive security is applicant and these as not enough of these bod.



Castlebar Local Election Candidate calls for... > Carthdiar based local election cardidate has called for additional intensive Care Beds to be made available at ...

en midwestradie in



CLIF- 10 HING- 27 HAY - MORNING INCLAND



Healthcare workers 'concurred' Children's Hosp... Holibboare workers are "suche concerned" the new National Children's Hospital will be under ...

XX Hospital, Dublin

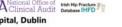
35%

ercentage of patien set best practice tar

National Office of Clinical Audit

ANNUAL REPORT













IRISH NATIONAL ICU AUDIT



- National
- Summary
- Dashboards
- Research





NATIONAL PAEDIATRIC MORTALITY REGISTER 2023

A REVIEW OF MORTALITY IN CHILDREN AND YOUNG PEOPLE IN IRELAND





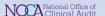
IRISH PAEDIATRIC

NATIONAL REPORT 2021-2022

including key trends from 2018 to 2022







INAS Irish National Audit of Stroke

IRISH NATIONAL AUDIT OF STROKE SUMMARY REPORT 2022

patients with a stroke in acute hospitals. This report looks at the key trends in acute stroke care for 4,999 cases across 21 hospitals in 2022.

WHAT IS A STROKE? | TIME IS BRAIN





Clinical Leads: Professor Tara Coughlan, Mr Terence Murphy Audit managers: Louise Brent, Pamela Hickey





















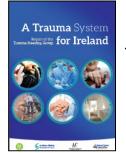


First audit to have a best practice tariff

Embedded QI – Golden Hip Award







Informing and supporting trauma system reconfiguration



Developing the first national surgical site infection surveillance programme

HIPE

Standard 6

Source: Report Execution Date: 14/10/2022

Data Extract Period:

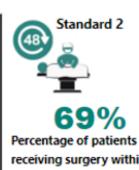
01/01/2015 - 30/06/2022

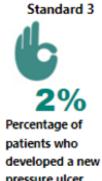
Q1

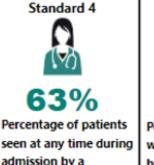
Date Selection:

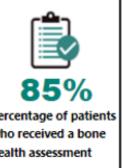
Met best practice tariff **15%** Percentage of patients



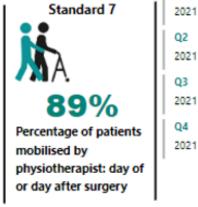


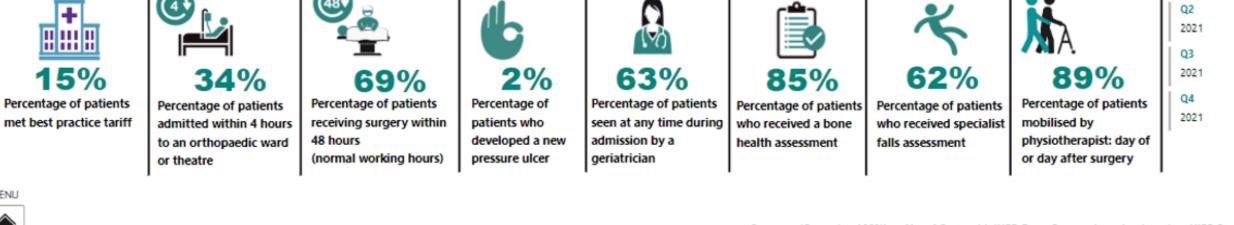


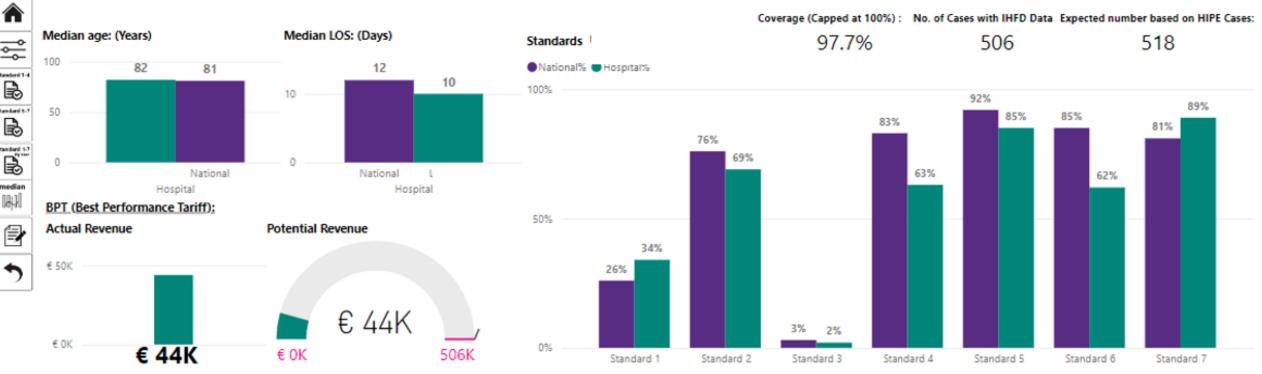




Standard 5







Year Quarter

Source: Report Execution Date:

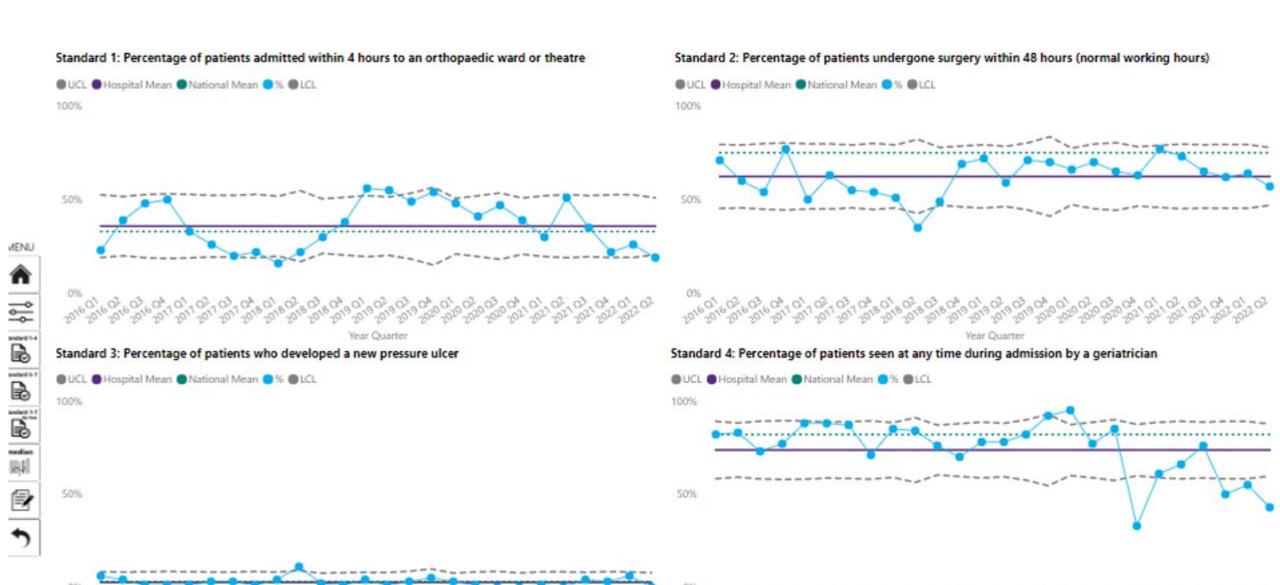
Year Quarter

14/10/2022

HIPE

Data Extract Period:

01/01/2015 - 30/06/2022





Clinical Lead: Professor Conor Deasy

Audit managers: Louise Brent, Pamela Hickey







1st Clinical Audit to receive NCEC approval



Informing and supporting trauma system reconfiguration



Supporting the development of national guidance

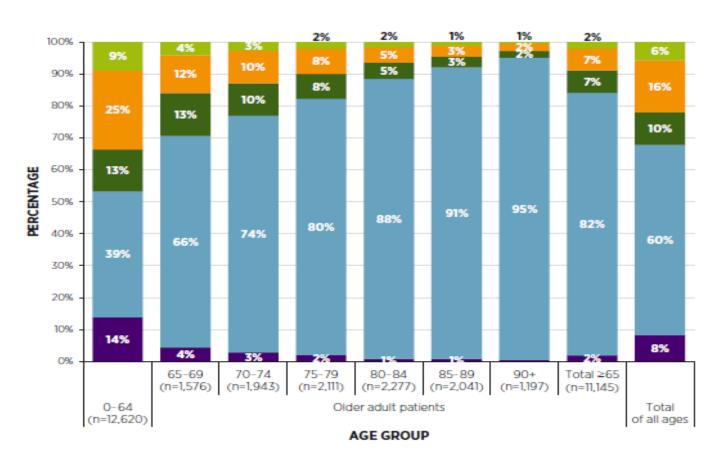


Public health messaging



Major Trauma:

Falls are the leading cause of serious injury in Ireland













LOW FALLS Falls of less than 2 metres 82% UNDER 65 OVER 65



 The median is the middle number in a sorted list of numbers.

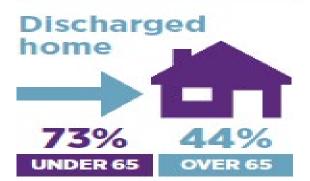


FIGURE 2.4: MECHANISM OF INJURY, BY AGE GROUP (2017-2021) (N=23765)⁴

National Office of Clinical Audit





Clinical lead: Prof Rory Dwyer

Audit Managers: Mary O Dwyer Baggot & Fionnuala Treanor

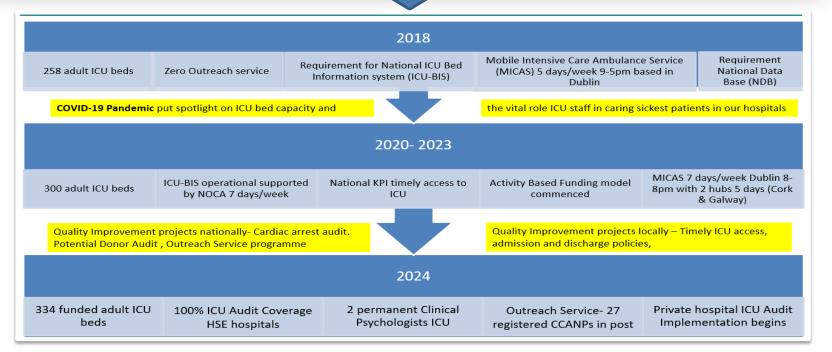


Patient Centred-Inclusion of patient voice and insights in reports and conferences



Learning and acting on statistical outlier audit findings





2023

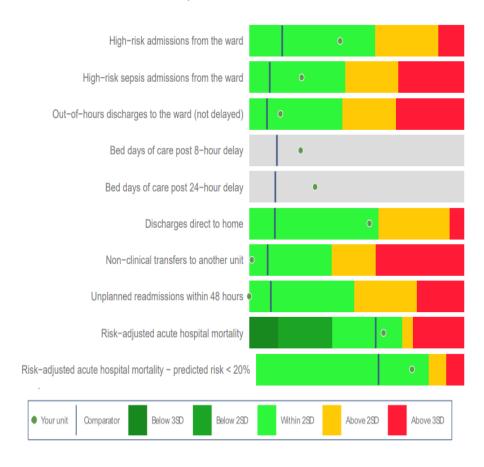
in 25 adult publicly funded hospitals (29Units)

100% Coverage

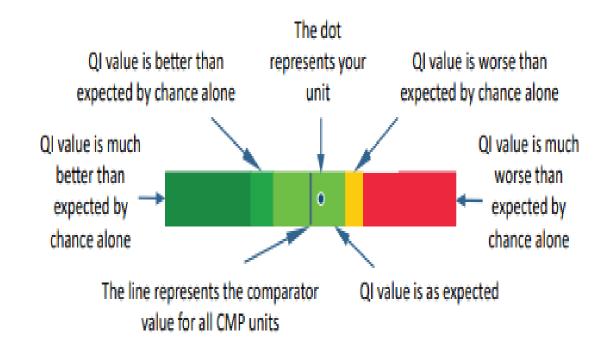


ICU Audit Data

Quality indicator dashboard



The Case Mix Programme (CMP) Quality indicator (QI) dashboard summarises the results for each QI for a single adult, critical care unit.







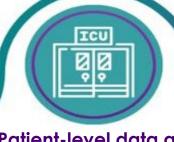
ICU BIS - Strengths

NOCA provides clinical & data governance, expertise,

relationships

Reserved Beds

Real-time; data collected daily 365 days by data collectors with clinical expertise



Patient-level data gives unique-granular insights, Covid. RSV. Influenza

Nimble; rapid adjustments to dataset and to reporting, responded to surge in RSV

last year_



Collecting RSV, Influenza & Covid data, winter season 24/25

Public Hospitals - 26 Adult and 2 Paediatric Adult Paediatric 328 | 32 Open Beds Adult Paediatric 24 | 2 Adult Paediatric 21 | 7 Adult Paediatric 21 | 7 Adult Paediatric 21 | 7 Adult Paediatric 25 | 2

Potential for future development

- (i) Enhancements for regional health authorities,
- (ii) Automated data entry
- (iii) incorporate a system for referrals
- (iii) Adapt further for major disasters



Discharge Ready

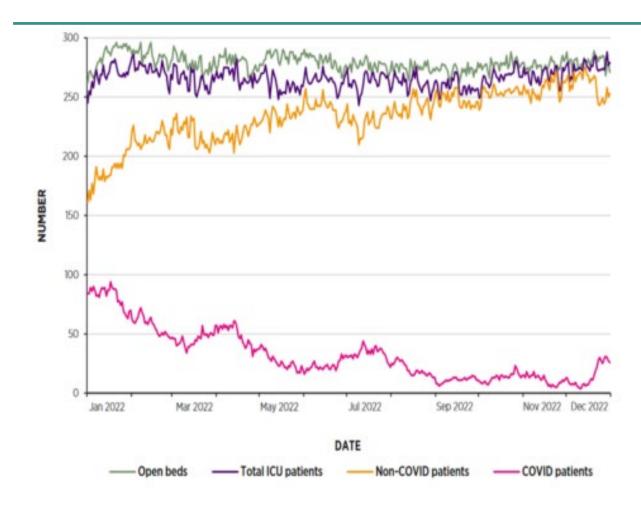


ICU Bed Information System (ICU-BIS)

60

50

COVID ADMISSIONS



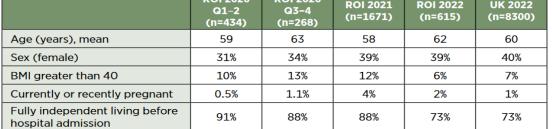


TABLE 9.1: CHARACTERISTICS OF PATIENTS ADMITTED TO ICU WITH COVID-19 IN ROI 2020-2022 AND UK 2022

	ROI 2020 Q1-2 (n=434)	ROI 2020 Q3-4 (n=268)	ROI 2021 (n=1671)	ROI 2022 (n=615)	UK 2022 (n=8300)
Age (years), mean	59	63	58	62	60
Sex (female)	31%	34%	39%	39%	40%
BMI greater than 40	10%	13%	12%	6%	7%
Currently or recently pregnant	0.5%	1.1%	4%	2%	1%
Fully independent living before hospital admission	91%	88%	88%	73%	73%
Very severe comorbidities	10%	12%	15%	37%	29%

1 3 5 7 9 11 13 15 17 19 21 23 25 27 29 31 33 35 37 39 41 43 45 47 49 51

WEEK NUMBER

2022

Note: Data are from all ICUs and HDUs in all 26 adult HSE-funded public hospitals. Source: ICU-BIS.

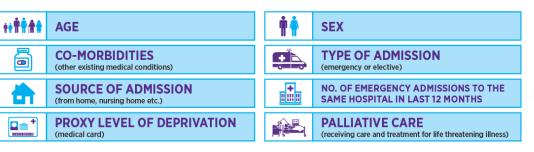


Clinical Lead: Dr. Anne Dee

Audit manager: Deirdre Burke

NAHM uses a web-based tool developed by the National Quality Assurance Intelligence System (NQAIS) in the HSE and the data source is HIPE.







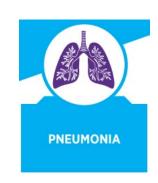














National Audit of Hospital Mortality

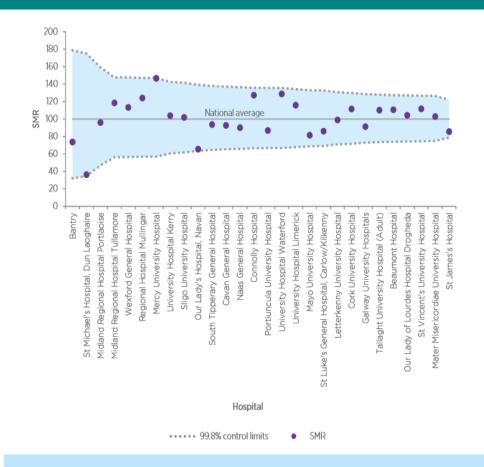
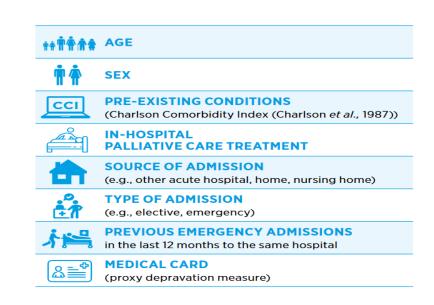


FIGURE 13: NATIONAL IN-HOSPITAL STANDARDISED MORTALITY RATIO FOLLOWING ADMISSION WITH A PRINCIPAL DIAGNOSIS OF PNEUMONIA, 2021

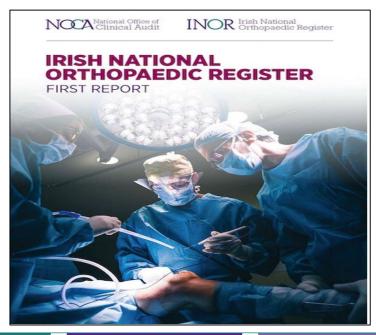
The National Audit of Hospital Mortality (NAHM) provides mortality data to 44 publicly funded acute hospitals, via a web-based tool called NQAIS NAHM. The SMR is calculated from the observed number of deaths divided by the expected number of deaths in a hospital for a particular diagnosis and time period, adjusted for the following factors:



Current Live Sites

- South Infirmary Victoria University Hospital
- Midlands Regional Hospital, Tullamore
- Croom Hospital
- Kilcreene Orthopaedic Hospital
- Our Lady's Hospital, Navan
- Merlin Park University Hospital
- Cappagh National Orthopaedic Hospital
- University Hospital Kerry
- Letterkenny University Hospital
- Sligo University Hospital
- Blackrock Clinic
- Tallaght University Hospital
- Bon Secours Tralee
- Bon Secours Galway
- Bon Secours Dublin
- Bon Secours Limerick
- Bon Secours Cork











Hospital Reports
Consultant Level Reports*

Q4 2023



Q1 2024
Planning and Scope for new INOR system



Q4 2024
INOR v2 progression to
National Audit Platform
(NAP)

* Early days

Validation Reports

National Office of Clinical Audit

INAS Irish National Audit of Stroke





Clinical Lead: Prof. Joe Harbison **Audit Manager**: Joan McCormack

Web: https://www.noca.ie/audits/irish-national-audit-of-stroke/



WHAT IS A STROKE?

A stroke occurs when the blood supply to part of the brain is interrupted or reduced, preventing brain tissue from getting oxygen and nutrients. Brain cells begin to die in minutes. Stroke is a medical emergency, and prompt treatment is crucial. Early action can reduce brain damage and other complications. There are two main types of stroke: a blocked artery (ischaemic stroke) or a blood vessel leaking or bursting (haemorrhagic stroke).

TIME IS BRAIN

STROKE IS A MEDICAL EMERGENCY WHICH REQUIRES URGENT TREATMENT.

The sooner a person arrives to hospital, is assessed by a doctor and receives a brain scan, the less damage is likely to happen. This results in better outcomes and less disability.



Face Drooping

Arm Weakness

Speech **Difficulties**

Time to Call

What should I do if I or someone else has symptoms of a Stroke?

CALL 999 OR 112 IMMEDIATE

5961

57% MALE Mean age

70 years

Mean age 75 years

43% FEMALE

33% OF MALES HAD A STROKE **AGED 65 YEARS AND UNDER COMPARED WITH 22% OF FEMALES**

DEMOGRAPHICS

The number of patients admitted to hospital continued to increase in line with Ireland's aging population. The 2022 census showed that the highest increase in population was seen in the population aged 70 years and older.



NUMBERS ADMITTED WITH STROKE



IHAA Irish Heart Attack Audit

KEY FINDINGS 2022 AND 2023



confirmed STEMI recorded in 2022 & 2023.



Male with median*



Only 47% of patients who arrived at a PCI centre directly by ambulance called for help within 60 minutes of onset of symptoms.

55% of patients were brought directly by ambulance to the PCI centre.

GETTING TO THE SPECIALIST CARDIAC CENTRE

32% of patients were transferred from a non-specialist hospital to the PCI centre.

In 2023, only 4% of patients with a STEMI achieved the 30-minute 'door in door out' (DIDO) target.

30



DIDO time is the total time a patient with a heart attack spends at the first hospital, from arrival to departure to a PCI centre. The goal is to minimise this

HEART ATTACK TREATMENT

78% of patients with a STEMI received treatment with primary PCI in 2023, an increase from 74% in 2022.

7% received treatment with thrombolysis. a medication to dissolve clots. This is an increase from 6% in 2022.

66% of patients received timely treatment to restore blood flow (known as reperfusion) in 2023, well below the target of 90%.

In 2023, timely primary PCI was higher in patients admitted directly by ambulance to a PCI centre (79%) compared to those transferred from a non-PCI centre (45%).

PREVENTING ANOTHER HEART ATTACK

In 2023, 86% of patients with a STEMI had appropriate secondary prevention medication prescribed, below the target of 90%. This is an Increase from 75% in 2022.

In 2023, 91% of patients were referred to cardiac rehabilitation. which provides an exercise programme and educational classes. This is a notable Increase from 57% in 2022.



time to ensure patients receive life-saving treatment as quickly as possible.

ARE YOU AT RISK OF A HEART ATTACK?

Smoking damages the heart and blood vessels. 35% of patients were smokers at the time of their heart attack, this is almost double the rate of smoking nationally (18%). Current smokers present with heart attack on average 10 years

younger than those who have never smoked.

Too much cholesterol in your blood, known as 42% of patients had a previous history of

known as 46% of patients had a

Diabetes puts you at Increased risk of having a heart attack, 21% of patients had a diagnosis of dlabetes, an Increase from 18% in 2021.

OUTCOMES

Timely treatment was associated with reduced mortality - In 2022, patients who received timely primary PCI had a 2.7% mortality rate compared to 7.8% for patients who did not receive timely primary PCI (4.1% vs 5.3% in 2023).

Clinical Lead: Prot. Konan iviargey

Audit Manager: Joan McCormack

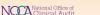
Website: https://www.noca.ie/audits/irish-heart-attack-audit/

NOCA National Office of Clinical Audit

IHAA Irish Heart







IHAA Irish Heart Attack Audi

IRISH HEART ATTACK AUDIT SUMMARY REPORT 202

The Irish Heart Attack Audit measures the care of patients who suffered a major heart

WHAT IS A HEART ATTACK?

A heart attack is a life-threatening medical emergency where the blood supply to the heart is suddenly cut off, usually by a blood clot (thrombosis). In Europe, heart disease is the largest cause of death for both men and women



has symptoms of a heart attack?





Why? Patients who call 999 or 112 are more likely to experience a timely







Arrive at the specialist centre within



Patients who are treated within the recommended time are more likely to survive the heart attack.



IHAA Dashboard



99%

Percentage of eligible patients with STEMI who were offered reperfusion Target: 95%



90%

Percentage of patients with STEMI who had timely primary PCI – arrived directly to hospital Target: 90%



73%

Percentage of patients with STEMI who had timely primary PCI – transferred to hospital Taraet: 90%



99%

Percentage of patients with STEMI who had radial access for Primary PCI Target: 95%



95%

Percentage of patients with STEMI who had an appropriate secondary prevention discharge bundle Target: 90%



98%

Percentage of patients with STEMI who smoke, offered smoking cessation advice Target 90%



Percentage of patients with STEMI referred fo

with STEMI referred for cardiac rehabilitation phase 3 Target: 90%



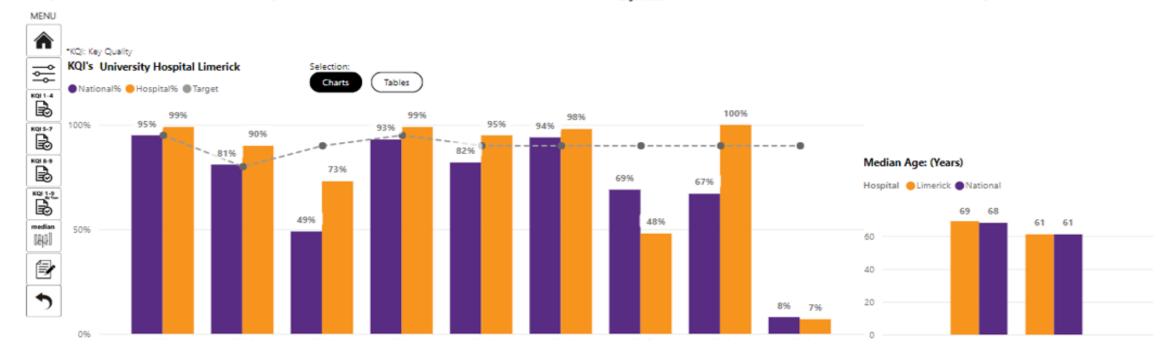
100%

Percentage completeness of survival status at 30 days data point Target 90%



'%

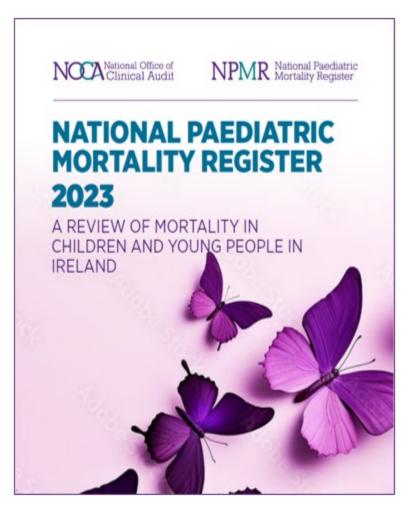
Proportion of patients who have cardiac rehabilitation phase 3 date recorded Target: 90% 2020 Q2 2020 Q3 2020 Q4 2020





Clinical Lead: Associate Professor Martina Healy

Audit manager: Cliona McGarvey



KEY FINDINGS

There is currently no national database in Ireland that provides adequate data on deaths in children.

SIDS



CHILD MORTALITY ESTIMATES 2019-2021*

542 INFANT DEATHS (BABIES UNDER 1 YEAR) WERE REGISTERED BETWEEN 2019-2021

THE GREATEST NUMBER OF

DEATHS POST-INFANCY ARE

One in five deaths in children aged 1-14

years, and one in two deaths in young

This equates to an overall infant mortality rate of 3.1 per 1000 livebirths.

DUE TO INJURY

people aged 15-18 years

were due to accident or

second leading cause of

death in both age groups.

injury. Cancer was the



75% OF INFANT DEATHS OCCURRED IN BABIES AGED 28 DAYS OR UNDER

The most common causes of death in this age group were perinatal conditions (such as complications of extreme prematurity) at 55% and genetic disorders at 40%.

24% OF INJURY- RELATED DEATHS IN CHILDREN AGED 1-14 YEARS WERE DUE TO ROAD TRAFFIC COLLISIONS (RTC'S)

This is a reduction from previous years (2007-2018) when RTCs accounted for 34% (10 deaths per year) of all injury-related deaths in this age group.

INFANT MORTALITY IN 2021 WAS 58% LOWER THAN THAT RECORDED IN THE LATE 1990s

This is due largely to a reduction in the number of deaths from sudden infant death syndrome (SIDS). CSO between 2019-2021. As registration of deaths can be a timely process, the number of deaths registered in a given year and the actual number of deaths in that year may differ

This data is based on the number of deaths registered by the

50% DECLINE IN CHILD MORTALITY RATES SINCE 2007

208 deaths in children aged 1-14 years and 142 deaths in young people aged 15-18 years were registered.

Despite a decline in child mortality, many potentially avoidable deaths continue to occur across all ages.

58% OF INJURY RELATED DEATHS IN 15-18 YEAR OLDS WERE DUE TO LIGATURE STRANGULATION**

17% by road traffic collisions (RTCs) 9% related to drugs and/or alcohol use 9% from drownings.

"* Ligature strangulation occurs when an object is placed around the neck and provides compression.

18% OF ALL INJURY DEATHS AMONG CHILDREN AGED 1-14 YEARS WERE REGISTERED AS HOMICIDE/FILICIDE

Homicide is the killing of one person by another. Filicide is the killing of a child by a parent.

DATA QUALITY ISSUES

Current sources of child mortality data lack the detail to thoroughly describe the main causes of child deaths and factors that contribute to these deaths. Delays in the registration of some deaths mean that timely reporting of child mortality estimates is not possible.



Linkage of hospital data with death registration information would permit a more meaningful analysis of child mortality data by allowing additional information on underlying causes and pre-existing medical conditions (co-morbidities) to be considered.



A pilot of the NPMR Child Death Notification form demonstrated the potential for capturing timely, high-quality data on deaths in a specialised paediatric hospital. The learnings from this NPMR pilot study will be used to inform the development of a national child death notification process.





Clinical Lead: Associate Professor Martina Healy

Audit manager: Karina Hamilton

In Ireland, there are two dedicated PCCUs currently located in Dublin at Children's Health Ireland (CHI) at Crumlin, which has 23 beds and Children's Health Ireland (CHI) at Temple Street, which has 9 beds. These units accept patients from all counties in Ireland. Paediatric patients are defined as children aged under 16 years.





3329 2021 & 2022

3329 admissions in 2021 and 2022 – an increase of 14% when compared to 2018. This rise shows that more children have required critical care in recent years compared to the time before the pandemic.

1098 1092 2021 2022

> **CHI at Crumlin had** the third highest number of PCCU admissions of all units in the UK and Ireland in 2021, with 1098 admissions and 2022, with 1092 admissions.

65% 69% 2021 2022

Emergency admissions accounted for the majority of admissions to PCCUs - 65% in 2021 and 69% in 2022.











Coming soon New National Children's Hospital 42 bed PCCU/CCU single occupancy cubicles and



2 HDU beds

Clinical Lead: Dr Alan Gaffney Audit managers: Maria Messitt

IPDA Aim

The aim of the Irish Potential Donor Audit (IPDA) is to ensure that every person who is approaching the end of life in ICU and ED is offered the possibility of becoming an organ donor, where this is appropriate.



PDA Development Project Report

DECEMBER 2023

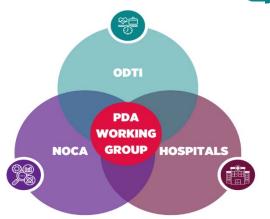
SEPTEMBER 2023





Extended data collection





UHL- University Hospital Limerick

SJH- St James's Hospital

BH- Beaumont Hospital

CUH- Cork University Hospital

MUH- Mater University Hospital

GUH- Galway University Hospital





Clinical Lead: Vacant

Audit manager: Breda Horan



1. IBIR dataset, data validation, reporting process & pilot testing and reporting.

2. Consent model for 3. Implant catalogue

IBIR Objectives

The objectives of the IBIR are to;

- · provide for both short and long-term monitoring of breast implants and devices to inform patient safety.
- improve adherence to best practice standards by providing insights from reported data.
- improve awareness for the public of the national registry for breast implants and devices.
- collaborate with international breast implant registries within the International Collaboration of Breast Registration Activities (ICOBRA) to contribute towards research for greater understanding of risk factors associated with breast implants and devices.

4. Implant Recall **Process**

5. Managing breast implant and device procedures outside the Irish healthcare system

IBIR

6. Patient Reported **Outcome Measures**

7. National implementation plan



Clinical Lead: Professor Nuala Murphy Audit manager: Lauren Churchill

Ireland has a high incidence of type 1 diabetes mellitus (T1DM), with incidence rates in the top 25% worldwide.

Increase from 16.3 cases per 100,000 population aged under 15 years in 1997 to 27.1 cases per 100,000 population in 2018.

19 hospitals providing paediatric diabetes services, with 3,332 patients accessing these services nationally.



Secure funding for audit development phase.

Pilot audit dataset and data collection methodology

Produce a pilot report Implement recommendations nationally

Demonstrate effectiveness of the national audit

Extend to transition age group

Extend to all patients

Map IT solutions

- Pilot in 2-3 sites
- Define minimum core dataset

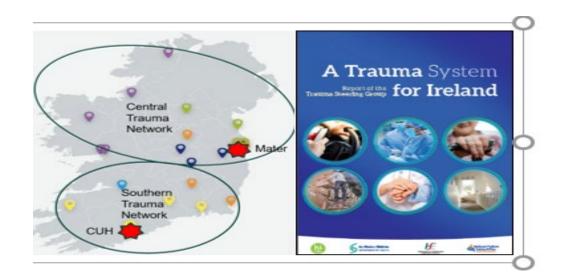
Electronic data collection in all 19 units

- Agreed tested dataset
- Policies and procedures
- · Report demonstrating effective methodology
- · Recommendations for national implementation
- Baseline information from which to improve services.
- Improvement in process and outcome measures



Other uses of data NOCA







HSE Antimicrobial Resistance Infection Control (AMRIC) action plan 2022-2025







Summary Reports - aimed at public



MAJOR TRAUMA IN OLDER ADULTS SUMMARY REPORT 2017-2021

The Major Trauma Audit (MTA) was established by the National Office of Clinical Audit (NOCA) in 2013. This audit focuses on the care of the more seriously injured patients in our healthcare system, across 26 trauma receiving hospitals.

WHAT IS MAJOR TRAUMA?

WHAT'S THE LEADING CAUSE OF MAJOR TRAUMA IN OLDER ADULTS?

Low falls, also known as a fall that occurs less than two meters from the ground accounts for 82% of major trauma older adults.











FALLS PREVENTION ADVICE CAN BE FOUND BELOW OR BY SCANNING THE QR CODE

-8







KEY HIGHLIGHTS

OF OLDER ADULTS FOLLOWING **MAJOR TRAUMA 2017-2021**



HOSPITALS

AVERAGE COVERAGE

YEARS

MEDIAN AGE

OLDER ADULTS



COMORBIDITIES also known as other pre-existing

UNDER 65

medical conditions



ISS GREATER THAN 15

ISS is a measure _____/ISS of how injured a >15 person is. ISS greater than 15 indicates severe injury

34%

LOW

FALLS Falls of

less than

2 metres

39%

OVER 65 UNDER 65

TRAUMA

THE HOME

ACCIDENTS IN



UNDER 65

ROAD

25% UNDER 65



Seen by an

Pre-alerted

advanced 4

Brought to hospital by ambulance



72% UNDER 65

Received by a trauma team

34% UNDER 65

OVER 65

Transferred to another hospital

35%

UNDER 65

Median*

length

of stay

When ambulance personnel call the emergency department in advance to inform them of a patient arriving soon who will require immediate review





OVER 65 UNDER 65

Received by a trauma team and seen by a consultant within 30 minutes



UNDER 65

Patients met on arrival to the Emergency Department by a number of health care professionals



20%

OVER 65

UNDER 65

Surgery

53% 30% UNDER 65 OVER 65

Patients who received CT scan within 1 hour



7 days 12 days UNDER 65 OVER 65

The median is the middle number in a sorted list of numbers.



UNDER 65

UNDER 65 OVER 65

IN 2021

Mortality in hospital

IN 2021

UNDER 65

This report highlights the continuing challenge to recognise and deliver the right care for older adult patients with major trauma. Its findings show that there are clear opportunities for NOCA to support the trauma system with the data from the MTA

To do this, NOCA will:



Continue to support hospitals to enter high quality data.



Collaborate with key stakeholder groups, including, for example Age Friendly Homes Ireland and Nursing Homes Ireland.



romote the use of the national clinical guidelines for older adults with major trauma.



Work with patient and public interest groups (e.g. Age Action Ireland and Spinal Injuries Ireland) to aise awareness about the causes of major trauma (namely, low falls at home and in nursing homes) and to promote the circulation of this information to the patient and public interest organisations.

PATIENT AND PUBLIC INTEREST



As part of the Major Trauma proportion. It stood out to me that life rather than death. I was glad to Governance Committee and PPI. "Mortality after a Spinal injury is read of some potential for home apresentative, I welcome the around 10%, and 2% in younger safety education/assessments fo older persons report. I found it a change in definition from the need for family/friends to be surprising "that the proportion of mortality to quality and return more cautious and aware of the older adults with major trauma to independent living. I realise risks of trauma in the home". increased, and by 7% in the period. that means something different Richard Murray, Patient and Iknow the population is aging and from my circumstance to older Public Interest Representative, would have expected the absolute adults but it still did strike me as a MTA Governance Committee numbers with Major Trauma to good idea generally to update the increase but not necessarily the measure of outcomes to quality of



Bairbre O Sullivan, Head of Services were more likely to be admitted to and older people isolating and not in the National Rehabilitation hospital with a spinal or head injury. having their usual supports. It is Hospital is also a member of the Also "the impact that the pandemic an excellent report and makes for MTA Governance Committee in a might have had on the figures, it interesting reading". PPI capacity. When asked to review did impact for a number of months. Bairbre O'Sullivae, Patient and this report, she found it "very in 2020 in terms of admissions. Public interest Representative, teresting that older adult patients staffing, people remaining at home MTA Governance Committee

REFERENCES

World Health Organization (2018) Falls [Internet]. able from: http://www.who.int/mediacentre/factsheets/hs344/en/TAccessed 23 October 20191



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IE YOU WISH TO READ THE **FULL REPORT LOG ONTO** www.noca.ie

IF YOU HAVE ANY QUERIES OR COMMENTS PLEASE FEEL FREE TO EMAIL

mta@noca.ie

FOLLOW US ON X AND INSTAGRAM @noca_irl

Public Health Messaging



WHAT IS A STROKE?

A stroke occurs when the blood supply to part of the brain is interrupted or reduced, preventing brain tissue from getting oxygen and nutrients. Brain cells begin to die in minutes. Stroke is a medical emergency, and prompt treatment is crucial. Early action can reduce brain damage and other complications. There are two main types of stroke: a blocked artery (ischaemic stroke) or a blood vessel leaking or bursting (haemorrhagic stroke).

TIME IS BRAIN



STROKE IS A MEDICAL EMERGENCY WHICH REQUIRES URGENT TREATMENT.

The sooner a person arrives to hospital, is assessed by a doctor and receives a brain scan, the less damage is likely to happen. This results in better outcomes and less disability.



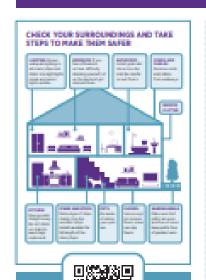
Face Drooping Arm Weakness Speech Difficulties Time to Call

What should I do if I or someone else has symptoms of a Stroke?

CALL 999 OR 112 IMMEDIATELY



FALLS PREVENTION ADVICE CAN BE FOUND BELOW OR BY SCANNING THE QR CODE







SYMPTOMS OF A HEART ATTACK

COMMON/TYPICAL SYMPTOMS



Chest pain moving into the jaw, neck, arms or back



New shortness of breath

UNCOMMON/ATYPICAL SYMPTOMS



Unusual stomach pain



Confusion



Sweatiness

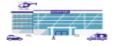
What should I do if I or someone else has symptoms of a heart attack?

CALL 999 OR 112 IMMEDIATELY

Why? Patients who call 999 or 112 are more likely to experience a timely diagnosis and treatment.

- Have the heart attack diagnosed in the ambulance by the paramedic using an ECG machine
- Are brought urgently to the specialist centre
- Arrive at the specialist centre within the recommended time
- Are twice as likely to be treated within the recommended time.





Patients who are treated within the recommended time are more likely to survive the heart attack.



Research NOCA



Current Research	Status	
HRB-funded APA "Maximising the quality of stroke care in Ireland – development of a national stroke audit" Review of dataset and PROMS" • Lead Applicant/ Knowledge Users – RCSI, NOCA, HSE QI • HRB 2yr funded study	Underway since Feb 2021	
 HRB IHFD HipFORGE (Hip Fracture Outcome Recording for improved Geographic Equality) (3 years project) NOCA Co applicant 	Commenced June 2021, update provided in the IHFD 2022 Report	
 HRB MTA - TRAUMA (Targeted Review and Amalgamation of Unmapped Major trauma and Ambulance data in Ireland) study Lead Applicant – Dr Frank Doyle Co applicant & Knowledge Users – National Trauma Office, NOCA & National Ambulance Service, MICAS, Spinal Injuries Ireland, Irish Road Victims Assoc. 	Underway	
HRB Applied Programme Grant ISTAR - Irish acTion plan for stRoke". NOCA Co-Applicant Lead Applicant: Professor David Williams / RCSI	HRB Funding Application Stage	
SFI funding for new RCSI Converge: Centre for Chronic Disease and Population Health Research The Centre will transform the way that population-level data and research platforms are deployed in Ireland to make key decisions for the prevention and reduction of the burden of chronic diseases.	Underway 2024	



Future Developments NOCA



What's on the Horizon

Dashboard

- Create A new health region view on the dashboard
- Expand access to the dashboard to relevant HSE teams so that they can have a national view
- Improve dashboards so that they have a more QI focus
- Include all NOCA audits on the NOCA dashboard
- Health equity focus in NOCA reporting
 - IPDA first audit to include A suite of health equity stratifiers (ethnicity, religion, gender, etc.).
- Expand audits to new areas beyond acute care have a more prevention focus
- Consistency in NOCA datasets
 - Core NOCA demographic dataset
 - Core set of risk factor dataset e.g smoking, BMI,
- Dataset sharing
 - Platform on NOCA website. In place for stroke: all variables reported on at national & individual hospital level for validated year
 - Maximise use of audit data across the healthcare system



Opportunities TO WORK WITH NOCA



Some benefits of working with NOCA

- Availability of clinical advisory group and established governance structures
- Active public and patient involvement programme
- Data, Data, Data
- Translation of work into NOCA audit practice
- ☐ Publication through NOCA reports, website





National Office of Clinical Audit

Contact us: auditinfo@noca.ie

THANK YOU

