Turning Clinical Information into Quality Data

Fiona Hammond Cahill, Manager
• 2010 National Clinical Programmes
• 2011 Audit Scoping
  – Mr Ken Mealy Clinical Director
  – Fiona Cahill Project Manager
• 2012 National Office of Clinical Audit Launch
  – Collaboration of RCSI and HSE Quality Improvement Division
  – Independent Governance Board
    • Chair Professor Paddy Broe Sept 2012 - Sept 2014
    • Chair Professor Sean Tierney Sept 2014
Identify Audit Need... what and how we measure

- Clinical Leadership / Clinical Programmes
- NCEC Guidelines
- Establish validity and national support / Business case for funding

Build Sustainable Infrastructure

- Establish Hospital and National Governance
- Procure, define, configure and implement ICT collection tools
- Train and support data collectors

Collect, monitor and support review of output

- Train and support interpretation of audit output
- Prompt local reviews, call to action, escalation

Report nationally to support learning
The Commission on Patient Safety and Quality Assurance (2008) defined clinical audit as: a clinically led, quality improvement process that seeks to improve patient care and outcomes through systematic review of care against explicit criteria and to act to improve care when standards are not met.

- **Major Trauma Audit (MTA)**
  - clinically led by Dr Conor Deasy
- **Irish National Orthopaedic Register (INOR)**
  - clinically led by Mr David Moore, Mr Paddy Kenny, Mr James Cashman
- **National Intensive Care Audit (ICU Audit)**
  - clinically led by Dr Rory Dwyer
- **Irish Hip Fracture Database (IHFD)**
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- **National Audit of Hospital Mortality**
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- **National Perinatal Epidemiology Centre (NPEC)**
  - clinically led by Prof Richard Greene
- **Irish Audit of Surgical Mortality (IASM)**
  - clinically led by Mr Ken Mealy
National Audit takes time..

- Scope Audit
- Secure funding
- Design, Configure to national requirement
- Multiple User Acceptance Tests
- Establish Local Governance
- Validate Data
- SHARE & LEARN

- Business Case
- Procurement of ICT / Methodologies
- Interface with existing systems and processes
- Implement Methodology
- Collect Data
- Review against standards
- Improve Patient Outcomes

6 months > 12 months >> 24 months >>> 36 months...
Clinical Audit is not new or unique to NOCA…

Clinical Audit in isolation will not improve patient outcomes....

✓ Governance structures to receive audit output which in turn support and encourage improvement

✓ NOCA Audit Findings - Shared and heard and acted upon...
  ✓ Turn knowledge into action
Governance....

NOCA Governance Board

National Audit Governance Committees
MTA, INOR / IHFD, ICU Audit, NAHM, NPEC

Hospital Governance
Quality & Safety Committees
Group, Board, Executive and Directorates

Triangulation ....
Good Guidelines lead to quality audit...

<table>
<thead>
<tr>
<th>Criteria 1 Patient Safety Issue</th>
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<tbody>
<tr>
<td>- What is the patient safety issue? Who is affected? How are they affected?</td>
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<tr>
<td>- Is there potential for <strong>quality improvement</strong> in the area?</td>
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<tr>
<th>Criteria 2 Burden of Clinical Topic*</th>
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<tbody>
<tr>
<td>*Includes disease/condition/circumstance etc.</td>
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<tr>
<td>- What is the associated mortality and morbidity? Is there reduced quality of life?</td>
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<th>Criteria 3 Evidence Analysis</th>
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<td>- What can we learn from other jurisdictions?</td>
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<th>Criteria 4 Evidence Analysis</th>
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| - 
| - Have the resources required for any initial set up or roll out phase been considered? |
| - Have the cost of these resources to the publicly-funded system been estimated? |

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<th>Criteria 5 Variability in Practice</th>
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<tr>
<td>- Are there gaps between current clinical practice and evidence-based practice?</td>
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<tr>
<td>- Would reducing variation reduce avoidable morbidity and/or mortality?</td>
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<th>Criteria 6 Potential for Improved Health</th>
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<tr>
<td>- What is the extent of potential improved quality of life?</td>
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<tr>
<td>- What is the extent of potential improved quality of care?</td>
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<tr>
<td>- Will the clinical guideline improve patient safety?</td>
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<th>Criteria 7 Clinical Guideline Implementation</th>
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<tr>
<td>- What is likelihood of the clinical guideline implementation strategy being successful?</td>
</tr>
<tr>
<td>- How accessible will the clinical guideline be?</td>
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Clinical Audit will lead to future guideline development…
We've only just started the guideline thingy and now she thinks we should audit it!!!

Tri-Ang-U-Wha?? ....can our hospital get one of them... first...we should get one first...

Guidelines or audit... audit or guidelines... which comes first...

I thought this was about SEPSIS....

OH NOT NOCA AGAIN!!!!

I need coffee...