Nursing Informatics
A Critical Component in Continuity of Care

AIGNA Conference 2013
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Background

- Data intensive society Big Data eHealth agenda
- Health informatics – data analytics
- Situating Nursing and Midwifery
- HISINM going forward
Some Facts

- Technology is now ubiquitous - 1 billion objects linked to internet by end of 2013
- Continuity of Care is a critical factor for citizens in supporting health and social care to measure patient outcomes.
- Integrated platforms that deliver clean data to deliver tactical objectives is a key requirement.
- Transition to Independent trusts has commenced.
- Health Information Bill will be passed by end of 2013.
HI Defined

- Social
- Connected
- Safety
- Information
- Quality
- Ecosystems
- Interoperability
- Standards
- Patient
- Care
- Shared
- Health
- Centred
Situating Nursing and Midwifery
HISINM Strategic Action Plan

- Nursing and Midwifery Informatics in Ireland – current status fragmented
- Vision to implementation action plan
- SWOT priorities – DIKW continuum
HISINM Overview

- Group Established in 1996

- New approach capitalising on emerging learning technologies (January 2013)
  - Communications agenda
  - Readiness for engagement training and education
  - Adopt L.E.A.R.N as guiding principles
First Principles – Recognition

Visibility & Voice – good care often only evident by its absence

Significant expertise across the country
  - Health Informatics Standards
  - System implementation
  - Advanced nursing and midwifery practice - what works for who and in what capacity?

It’s at the edges that interesting things happen
Hub and Spoke Model
HISI NM Strategic Approach
Vision to Implementation **LEARN**

- **L**isten to **clients and clinical leaders** to determine what the requirements are?
- **E**arly engagement in design – content in context
- **A**dopt reuse and adapt from international colleagues best evidence and HI standards
- **R**ealistic evaluation input process output bottom up and top down - stratified approach
- **N**eeds analysis focusing on individual clients in a community using wellness rather than illness approach
<table>
<thead>
<tr>
<th>Strengths</th>
<th>Weakness</th>
<th>Opportunities</th>
<th>Threats</th>
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<tbody>
<tr>
<td>Expertise extensive Tactical action plan in progress <strong>LEARN</strong></td>
<td>Voluntary group</td>
<td>Green field site with pockets of development</td>
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<tr>
<td>Internationally well connected Canada, USA, UK, EU - ACENDIO ISO CEN engagement</td>
<td>Time constraints Clinical staff battle weary Require support</td>
<td>DIKW framework international dimension adopt and adapt</td>
<td>Education: No competency framework established at Under Graduate Level</td>
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<td>Supported by key nursing organisations in Ireland</td>
<td>Financial limits and resources e.g IHTSDO</td>
<td>HISI ICS support for development of networks</td>
<td>Training – Competency Conscious versus Unconscious</td>
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<tr>
<td>Size membership growing in capacity</td>
<td>No Health Informatics Institute</td>
<td>Readiness for engagement resources</td>
<td>Concurrent work paper trail continually developing</td>
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Continuity of Care Core Requisites

Care of Older Adult
Nursing Metric Indicators

- Patient Experience – Aim to provide a quality service to all service users is this being achieved?

- Key Performance Indicators – measure care against a set of standards (HIQA, NMBI)

- Examples of key area in older person
  - Falls, Pressure Ulcer, National Early Warning Score, Medication, Prescription Care.
Nursing Metrics Planning

- Based on Results of indicator measurement: Identify areas for improvement and devise an action plan

- Plan - Measure improvements made on a monthly basis

- Inform best practice
Some Examples:

- HSEland [http://www.hseland.ie](http://www.hseland.ie) (General)
- Bone health [http://www.bonehealth.co](http://www.bonehealth.co) (Citizen focused)
- EHRinsight [http://www.ehrinsight.net](http://www.ehrinsight.net) (Informatics)
- Partnerscop [http://www.partnerscop.com](http://www.partnerscop.com) (Community focused)
Technology and Innovation
Integrated Care - What Is It?

Socio
- Political
- Organisational
- Legal
- Economic

Technical
- Architecture
- Processes
- Structures
- Semantics
Readiness for Engagement

DIKW
- Wisdom
- Knowledge
- Information
- Data

RMODE
- Business
- Information
- Computational

Document Pathway
- Think-apply label
- Vocabulary-constraints
- Nomenclature
- Classification
Summary

The only thing in art is the part that can’t be explained ... the only thing in a medical system that matters is the part that can’t be measured

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