Reforming our Healthcare system - What's the role of the university sector?
THE ISSUES

-Hospital groups
  - strategic board
  - lessons from reconfiguration

-UCC strategic plan

-Healthcare Spectrum

-Health Innovation Hub
“No country can afford to provide for every citizen all the treatments that are now available”

Dr. William Plested  President  AMA, 2006-2007
THE NATIONAL CONTEXT

Programme for Government

‘Section 10’ letter

Appointment of Strategic Board
<table>
<thead>
<tr>
<th>Project Team Members</th>
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<tbody>
<tr>
<td>Ms Margo Topham</td>
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<tr>
<td>Dr Orla Healy</td>
</tr>
<tr>
<td>Ms Miriam Joyce</td>
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<tr>
<td>Mr Michael Hanna</td>
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<tr>
<td>Ms Kathryn Neville</td>
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</tbody>
</table>
Reconfiguration of Acute Hospital Services
A Roadmap to Develop an Integrated University Hospital Network For Cork & Kerry

MALLOW GENERAL HOSPITAL
- Diagnostics
  - Point Of Care Testing (POCT) low volume diagnostic tests e.g. bloods
  - Radiology (Imaging Medicine)
- Medical Services
  - Acute Medicine
  - Medicine for the Elderly
  - Gastroenterology
  - Rehabilitation Medicine (patients aged over 65)
- Surgical Services (Day Services)
  - General Surgery
  - Dental
  - Plastic
  - Urgology
  - Outback - other specialties
- Woman and Children's Services
  - Obstetrics
  - Gynaecology
- Critical Care - Appropriate for remote rural hospital
- Outpatient Services
- Mental Health Services
- Central Laboratory
- Critical Care Level I
- Medical Assessment Unit 1/2
- Urgent Care Centre 1/2

BANTRY GENERAL HOSPITAL
- Diagnostics
  - Point Of Care Testing (POCT) low volume diagnostic tests e.g. bloods
  - Radiology (Imaging Medicine)
- Medical Services
  - Acute Medicine
  - Medicine for the Elderly
  - Gastroenterology
  - Rehabilitation Medicine (patients aged over 65)
- Surgical Services (Day Services)
  - General Surgery
  - Dental
  - Plastic
  - Urgology
  - Outback - other specialties
- Woman and Children's Services
  - Obstetrics
  - Gynaecology
- Critical Care - Appropriate for remote rural hospital
- Outpatient Services
- Mental Health Services
- Central Laboratory
- Critical Care Level I
- Medical Assessment Unit 1/2
- Urgent Care Centre 1/2

CORK UNIVERSITY HOSPITAL
- Diagnostics
  - Laboratory Medicine
    - Clinical Biochemistry
    - Clinical Microbiology
    - Haematology / Blood Transfusion
    - Immunology
    - Molecular Genetics
- Main Centre Complex Medical Services
  - Regional Centre for Cardiac Thoracic Surgery
  - Regional Centre for Neurosurgery
  - Regional Centre for Neuroradiology
  - Regional Centre for Neuroradiology
  - Regional Centre for Radiology
  - Regional Centre for Pathology
- Main Centre Women and Children's Services
  - Obstetrics
  - Gynaecology
- Mental Health Services
  - Mental Health Services
- Central Laboratory
- Critical Care Level I
- Medical Assessment Unit 1/2
- Urgent Care Centre 1/2

SOUTH INFIRMARY VICTORIA UNIVERSITY HOSPITAL
- Diagnostics
  - Point Of Care Testing (POCT) low volume diagnostic tests e.g. bloods
  - Radiology (Imaging Medicine)
- Medical Services
  - Regional Centre for General Surgery
  - Regional Centre for Gastroenterology
  - Regional Centre for Endocrinology
  - Regional Centre for Respiratory Medicine
- Surgical Services (Day Services)
  - General Surgery
  - Endocrinology
  - Gastroenterology
  - Respiratory Medicine
  - Critical Care Level II and Level III
- Woman and Children's Services
  - Obstetrics
  - Gynaecology
- Central Laboratory
- Critical Care Level I
- Medical Assessment Unit 1/2
- Urgent Care Centre 1/2

MERCY UNIVERSITY HOSPITAL
- Diagnostics
  - Specialty Regional Services
  - Acute Medicine
- Medical Services
  - Regional Centre for Breast Cancer
  - Regional Centre for Gastroenterology
  - Regional Centre for Endocrinology
  - Regional Centre for Respiratory Medicine
- Surgical Services
  - General Surgery
  - Endocrinology
  - Gastroenterology
  - Respiratory Medicine
  - Critical Care Level II and Level III
- Woman and Children's Services
  - Obstetrics
  - Gynaecology
- Central Laboratory
- Critical Care Level I
- Medical Assessment Unit 1/2
- Urgent Care Centre 1/2

KERRY GENERAL HOSPITAL
- Diagnostics
  - Laboratory Medicine
    - Clinical Biochemistry
    - Clinical Microbiology
    - Clinical Haematology
  - Radiology (Imaging Medicine)
- Medical Services
  - Acute Medicine
  - Cardiology
  - Endocrinology
  - Respiratory Medicine
- Surgical Services
  - General Surgery
  - Endocrinology
  - Gastroenterology
  - Respiratory Medicine
  - Critical Care Level II and Level III
- Woman and Children's Services
  - Obstetrics
  - Gynaecology
- Central Laboratory
- Critical Care Level I
- Medical Assessment Unit 1/2
- Urgent Care Centre 1/2

ADVANCED PARAMEDICS
- Treat at scene and discharge or refer patient on for treatment
- IV transfusion urgent patients between hospitals for treatment in Intermediate care units

PARAMEDICS
- Treat at scene and discharge or refer patient on for treatment
- IV transfusion urgent patients between hospitals for treatment in Intermediate care units

CLINICAL GOVERNANCE / MANAGEMENT
- An Integrated University Hospital Network
- Mental Health Services
- Central Laboratory
- Critical Care Level I
- Medical Assessment Unit 1/2
- Urgent Care Centre 1/2

CONSULTANTS' work in specialist teams covering all 6 hospitals

ONE ELECTRONIC REFERRAL SYSTEM for GPs to all 6 hospitals

PATIENT
- GP / FAMILY DOCTOR
- COMMUNITY HOSPITALS
- CLINICAL GOVERNANCE / MANAGEMENT
- An Integrated University Hospital Network
- Medical Assessment Unit 1/2
- Urgent Care Centre 1/2
Tuesday April 14th

Hands off Bantry hospital

Campaign continues at meeting in Ballyvourney tonight

Protestors marching through the streets of Bantry against proposed closures at Bantry general hospital.

by Catherine Keogh
West Cork to get new mobile medical team

By EDEL O'CONNELL

A TEAM of specialised paramedics, backed up by rapid response vehicles, will be on 24/7 emergency call in west Cork from the end of this month.

The "pod" of six advanced paramedics, part of a restructuring programme for the health services in the Cork and Kerry region, officially began its induction in the west Cork area this week.

The service will involve medical specialists in pre-hospital emergency care and are trained to provide care in all types of medical emergencies.

They have a wide range of skills which include advanced airway management, initiation of IV fluids (drips) and administration of medications such as pain relief and anti-convulsing therapies. They deal with emergencies of all types, from heart attacks to strokes and road traffic accidents.

They can provide advanced life support in prehospital situations and complement other care providers such as doctors, nurses and first aid responders in the community.

The initiative, which will cost about €500,000 in its first year, is set to expand to the east Cork area next year and, it is envisaged, to Cork city and Kerry over the next few years.

Benefits for a remote area

- Six new advanced paramedics in addition to current ambulance personnel based in west Cork.
- Highly skilled advanced paramedics with rapid response vehicles (RRV) to respond to necessary 999 calls directly.
- Provision of 24 hours advanced life support for west Cork.
- An advanced paramedic will be on duty in west Cork, 24 hours a day, seven days a week.

The team will be able to reach anywhere in west Cork in rapid response to a serious emergency. He added that their vehicles were equipped with state-of-the-art equipment and they could accompany patients into hospital.

When someone dials 999 or 112, the ambulance controller will decide whether to dispatch an advanced paramedic — the team has two rapid response vehicles fully equipped for every type of emergency.
Advanced Paramedics Awareness Campaign in West Cork

September 30th 2009

Super-paramedic team on emergency call for west Cork

by Alvin Quinlan

A crisis team of "super-paramedics" backed up by high-tech Rapid Response Vehicles will be on duty throughout the west Cork region within a matter of weeks.

The "pool" of six advanced paramedics, part of a restructuring programme for the health service in the Cork and Kerry region, will commence operations from November.

"The initiative, which will cost about $300,000 in its first year, is set to be rolled out in the north Cork area next year and, it is envisaged, in Cork city and Kerry over the next five years."

The group of five males and one female, which will be based in Bantry hospital, have between 10 and 20 years experience each.

"We have started with west Cork because it is so remote and has such a widely dispersed population," said Professor John Higgins, director of reorganisation in HSE South, Cork and Kerry.

"These are highly trained paramedics who will react around the clock to the scene of an emergency, whether it is a road traffic crash or someone with a heart attack or stroke."

"They are decision-makers in emergency and will have a broad skill base in terms of being able to initiate treatment right there. They are able to provide a patient with medical intervention."

"They are able to go anywhere in west Cork in response to an acute emergency - their vehicles are phenomenally well-equipped - and can accompany patients into hospital," he added.

When someone dials 999 or 112 the ambulance controller will decide whether to dispatch an advanced paramedic - the team has two Rapid Response Vehicles fully equipped with equipment for every type of emergency.

"Training and development officer with the HSE, Cork and Kerry, Danny O'Regan said: "Advanced paramedics have upgraded skills, for example, deciding the treatment to be given to a patient. They are qualified to provide a wider range of medications than ordinary paramedics; e.g. morphine, or seizure preventative medication. They can also provide advanced life support in the case of cardiac arrest - treatment which up to now would have been provided by a doctor or within the hospital."

The Southern Star

October 10th 2009

GAELSCOIL UPDATE

Southern Star

Gaelscoid Bheanntrai were very excited to have a visit from the Rapid Response Unit of the HSE to demonstrate their expertise and their equipment to all the children. Bantry area is very lucky to have such a service available in the Bantry area and the children very much enjoyed their talk and demonstration.
Lessons from reconfiguration

• Hard, hard work

• Clinical leadership

• Planning, implementation planning, implementation

• Culture, culture, culture
UCC Strategic plan
2013-2017
OUR COLLEGE STRUCTURE

College of Medicine & Health

- School of Clinical Therapies
- School of Medicine
- School of Nursing & Midwifery
- School of Pharmacy
- Dental School & Hospital
- Graduate School
### OUR STUDENTS

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<td>Non Academic</td>
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## FINANCIAL RESOURCES

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<th>College of Medicine &amp; Health</th>
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<tr>
<td>Teaching and learning</td>
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<tr>
<td>Research income</td>
<td>€17m</td>
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<tr>
<td><strong>Total income</strong></td>
<td><strong>€69m</strong></td>
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THE CHALLENGE

- UCC is operating in a very difficult economic environment. The university core grant has reduced from €85m in 2007 to €55m in 2010/11.
- State Grant per FTE in 2011 is €1,832 down from €4,178 four years ago.
- Non exchequer alternative income sources will be key to closing the gap created by diminishing exchequer funding.
- The only option is to pursue non exchequer alternative income sources.

The opportunity

- 5 year strategic plan
STRATEGIC PRIORITIES

• FIVE in FIVE

• Lifelong Learning – CPD

• Academic Healthcare Centre
1. APC Ireland
1. Women & Children Institute
1. Public Health Institute
2. Cancer Research Institute
3. Simulation Institute
UCC RESEARCH FUNDERS 2011

Total
€74,163,161

Less than 5%
Industry (4%)
Foundation Funded Research (2%)
Higher Education Authority (3%)
Foreign Industry (2%)
Foreign Research Institute (1%)
Health Boards (1%)
Irish Funded Research (1%)
Teagasc (1%)
Tyndall National Institute (1%)
DAFF (<1%)
Industry/EI Projects (<1%)
Misc Invest Northern Ireland (<1%)
Other Funded Projects (<1%)
SFI Industry (<1%)
Tyndall (<1%)
Less than 5%
*Drug Formulation/Delivery & Therapies (4%)*
*Neuroscience (4%)*
*Other (4%)*
*Gerontology (3%)*
*Immunology/Infections (2%)*
*Cellular Biology (<1%)*
LIFELONG LEARNING
CPD

• Increasing regulation of professions

• Medical Practitioners Act

• Speed of technological change

• Ever rising patient expectation
Healthcare spectrum
ALIGNMENT

Regional Healthcare Policy Framework

Infrastructural Requirements

Collaborative Behaviour
REGIONAL HEALTHCARE POLICY FRAMEWORK
CAPITAL PROJECTS

• Western Gateway Building Extension
• Paediatric Unit
• Simulation Centre
• Health and Technology Innovation Campus
• Science Park
• Dental School and Hospital
Outline Development Control Plan
Cork University Hospital
Healthcare Innovation Hub
Improvements to health service processes and systems

New business opportunities relating to health services & products
Background

• Healthcare Innovation recognised as national enterprise opportunity in Innovation Taskforce report, Enterprise Agency Planning Strategies, industrial calls and proposals for connected health, silver health and increased commercialisation of health derived innovation.

• Innovation directly supports the national Life Sciences industry (>50Bn euro’s exports annually and 50,000 direct jobs).

• Need to join up fragmented national efforts and address obstacles in health related commercialisation
Progress to date

• National Healthcare Innovation Hub (HIH) included in 2012 Action Plan for Jobs (February)
• National Implementation Chair appointed end March.
• National Project Team selected – representing Government Departments of Enterprise and Health and HSE and including.
  – State Enterprise Agencies, EI, IDA, SFI
  – Industry
  – Clinical Leadership from HSE
Progress to date

• Project team, 6 meetings (April 18\textsuperscript{th} - July 4\textsuperscript{th}), additional engagement with local industry and academic medicine.

• Location for Demonstrator Hub selected May 2012
  – Western Gateway Building, UCC

• Enterprise Ireland issues a call for applicant companies (21\textsuperscript{st} June 2012)

• Closing date for receipt of applications 26\textsuperscript{th} June 2012.
Companies

• Initial review of applications 29th June
• National Implementation Team chooses six companies (04th July)
  – Abtran
  – Arann Healthcare
  – Helix Health
  – Radisens Diagnostics Ltd.
  – Rigney Dolphin
  – Sláinte Healthcare
• Department of Health and Children approves applicants 06th July
Steering Group

• Local Steering Group for Demonstrator Hub appointed 12\textsuperscript{th} July 2012
  – CEOs Regional Hospitals
  – Industry
  – UCC/Tyndall National Institute
  – Cork Institute of Technology
  – Primary Care
  – Enterprise Ireland, (IDA/SFI supporting).
• Interim Director appointed June 2012
• Operational Plan and Budget prepared for Demonstrator Hub (July 2012)
Health Innovation Hub

Opening October 19th