



# KDCPMS Project Newsletter

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## Project Aim

To implement a Kidney Disease Clinical Patient Management System (KDCPMS) that will facilitate the clinical management of all patients with kidney disease from first presentation to a renal centre; right through to renal replacement therapy.

The KDCPMS will provide a framework for performance monitoring in renal care provision, comparative clinical audit, enhanced delivery and quality of care, strategic planning and effective resource utilization.

## KDCPMS Project - Background

The National Renal Strategic Review Group identified the development of a renal health intelligence system for Ireland as a key requirement. It envisaged that this system will comprise primarily of a National Clinical Patient Management System deployed in each of the locations where renal services are currently delivered.

The Group also proposed the establishment of a National Renal Registry. The Kidney Disease clinical patient management system will need to interface as appropriate with the Registry once it is in place. The key purpose of the Registry would be to collate and report upon core data items on a national basis to enable monitoring of the quantity and quality of renal care and also to facilitate evidence-based planning.

## At what stage is the project currently?

We are delighted to announce that the procurement process for the KDCPMS Project has recently been completed (August 2010) and a contract for the supply, installation and maintenance of a Kidney Disease Clinical Patient Management System has been awarded to **Mediqual Health Informatics Limited** (Mediqual HII). A multi-disciplinary Best Practice Group (BPG) has been established and the first meeting will take place shortly. The role of the BPG will be to work with Mediqual to agree on a Standard Build for the software system. The Standard Build will be under formal Change Process. The design will be an iterative and ongoing process and will involve different disciplines as specific modules are finalised (e.g Transplant Module, Nutrition etc.)

All hospitals in this phase of the project have confirmed their commitment to the project and have guaranteed that Local Implementation Teams will be assigned to the project as and when required. Merlin Park Hospital, Galway and Mayo General Hospital, Castlebar have been selected for the first roll out site(s). Communication with the local teams in the HSE West has commenced. The order of deployment to the remaining sites will be agreed via use of a “roll-out” strategy at a later date.

The central Hardware (DELL Servers and SAN) have been purchased and are located in the central hosting facility in Clonshaugh. The next stage will be to connect the Servers to the Network, test application software etc. This work has been prioritised and schedules are being finalised for the above work to take place as soon as possible



**NATIONAL  
INTEGRATED  
RENAL  
INFORMATION  
SYSTEM**

## Local Implementation Teams

The main functions of the KDCPMS National Project team is to progress the procurement process, develop implementation procedures and policies, assist local teams during the overall implementation process and liaise closely with Mediqal throughout the project term.

The Local Implementation Teams comprises of representative of renal and administrative users of the systems in each hospital and will be required to drive this project on a day-to-day basis. The membership make-up includes (where applicable):

Local Project Lead  
Consultant Nephrologist  
Renal Technician/Clinical Engineer  
Admin support  
Senior Hospital Representative

The local team's role is to carry out all tasks required to implement the chosen IT solutions in each individual hospital. These teams will work, in cooperation with the KDCPMS Project Team, on the implementation of the selected solution at a local level.

In order to successfully introduce this system, each hospital will have to make available key resources for the project, in particular for the Functional Requirements, Evaluation and Implementation phases of the project. Having the local team in place as early as possible will ensure everyone involved is best positioned to utilize the system once deployment efforts have been validated. Ultimately, the importance of commitment and enthusiasm from all the members of the team will ensure the successful introduction of the system locally.

The order of implementation has yet to be finalised with the supplier and the KDCPMS Project Board Team. The key decision in terms of priority for roll and implementation to each site will depend very much on the readiness of each site to proceed.

## Feature Line- Change Management & Business Implementation

### **Systems enable - People deliver change.**

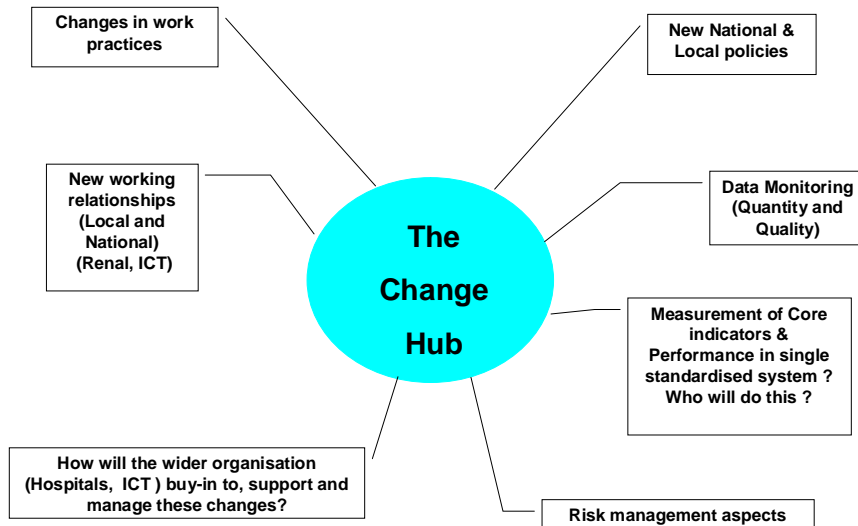
It is recognised with the move from paper trail to an electronic system that there will be changes in work practices and changes in how staff carry out their day-to-day work. To minimise the element of '*concern*', communication, involvement and ownership by the local implementation teams will be paramount from "day 1".

The first meeting with the Local Implementation teams will involve engagement with and confirmation of the commitment of the group involved e.g clinicians, nurses, IT and admin support. Initial discussions with the local team and Mediqal HII will address any potential Risks to ensure that they are mitigated where possible and to ensure that Change will be successfully managed throughout the implementation. A "Strategy Map for Change Management" will be introduced to each site and will look at Critical Success Factors, Strategic Goals, Measures & Targets and Initiatives. This will be integral to success and discussions will include:

- Communicating the vision/goals and non goals of project
- Scope & understanding/addressing stakeholder's needs and concerns
- Stakeholder contribution (cross functional) and building commitment to purpose
- Work group goals and aligning the way work is accomplished to purpose & maximum employee engagement.

## Recent Event

Dr Austin Stack (KDCPMS lead) was invited to speak at the 2009 Health Information Society of Ireland (HISI) about the KDCPMS project from a clinical and change management perspective. He emphasised how the commitment of multi-disciplinary Renal Teams is paramount to the successful deployment of this project across all sites.....and noted that " we need to *ensure all are committed to the ultimate goal of improving the quality and delivery patient care across the state.....moving from the current paper-based system to a national integrated electronic system does pose challenges, which will require the collective input from all invested stakeholders*". These challenges are detailed in the following change hub.



**Mediqual H.I** – A subsidiary of Health Informatics. Inc. are the supplier of the KDCPMS, eMEDRenal



### **eMEDRenal**

eMEDRenal is a patient management software system designed to integrate clinical and non-clinical patient data from both internal and external sources creating an integrated patient record for renal service providers. The software presents users with functionally focused modules known as "user domains," which are designed to support the various members of the contemporary, multi-disciplinary renal care team. Patient data is entered into eMEDRenal by a combination of user input and automatically acquired data from external systems. The integrated architecture includes interfaces to the hospital laboratory/pathology system, the patient administration system (PAS) and haemodialysis machine software.

eMed renal is currently in use in the renal units in Sligo, Letterkenny and Cavan.

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