

# IT Update

## Care Transformation Now Underway

Care Transformation is now officially underway. An agreement has been signed with our vendor partner, Cerner, and a subscription made to the Executable Knowledge package, including Zynx for evidence-based order sets. We are working now to establish a project plan and project governance structure, forming the project team, and creating a communication plan so that we can keep everyone informed of the project status.

ITS will be working very closely with the clinicians on this project and Elaine Khanwilkar, Nursing Director and Michael Strong, MD have been named the official project champions. They will co-chair the Care Transformation Executive Committee and will be deeply involved in all aspects of the project. The EMR team will be the primary ITS team involved in Care Transformation. Nancy Brazelton is the Director and Travis Gregory is the Project Manager. Extensive input from clinicians, the units, and ancillary departments across the hospital and clinics will be invaluable as we work together to design a system that will enhance clinical care.

Formal project kick-off will occur the week of August 31st with "Rapid Engagement" sessions. Details and appointments for the sessions are forthcoming. Information gathering and preliminary system design based on desired (future) workflows will begin in September and the project team will be making their first visit to the Accelerated Solution Center the first week of October.

## Maximo Database Redesign

In a cooperative effort between Facilities & Engineering (F&E) and ITS, a committee has begun work on implementing a new version of the Maximo database. This database is used primarily by F&E for job and project management and tracking for biomedical, electric, and plant operations equipment.

The Maximo project has been in the planning stages for approximately 18 months, during which time it was determined that the program would be implemented as a new installation rather than an upgrade of the current version. New implementation allows us to take advantage of new features offered by Maximo (MXES).

MXES includes a new web-based interface that gives users the ability to submit trouble tickets online and ultimately reduces the response time for technicians. Wireless hand-held devices in the Storeroom will allow staff to more quickly and efficiently complete transactions.

Additionally, a redesign of the database allows for more efficient tracking of work and equipment. F&E will utilize a geography-based structure vs. the current finance-based structure to track locations of equipment and sites where work is required. The amount of equipment listed in MXES will be

doubled which will help technicians better isolate problem equipment and collect historical information for better tracking of individual pieces of equipment.

The project is scheduled for completion by early 2006 and extensive training will take place prior to go-live.

## Respiratory Therapy Goes Paperless

In July, Respiratory Therapy began electronic documentation of their respiratory services using MediLinks SQL. The electronic charting replaced all paper documentation of respiratory therapy services and is used primarily by inpatient units at the University Hospital and Huntsman Cancer Hospital.

The MediLinks vendor, MediServe Information Systems, was chosen in part due to its partnership with Cerner, our EMR vendor, to provide an integrated solution that allows for data sharing between MediLinks and Olympus.

Respiratory Therapy treatment charting is accessible under the "Documents" tab in PowerChart. Ventilator, BIPAP and Respiratory Parameters flowsheets are found under the "All Results" tab. A new custom "Respiratory Flowsheet" has also been created to provide easy access to filtered, respiratory data only. Critical information such as the head of bed angle for individual patients is now interfaced to PowerChart and visible to all caregivers. Key parameters like this are available for research studies and improved patient outcomes.

Wireless laptops on mobile carts were made available for Respiratory Therapists to do bedside charting. Additionally, wireless laptops on mobile carts were provided to units that care for ventilator patients, providing physicians and other clinicians ease in accessing the electronic data.

Functionality benefits of MediLinks include template driven data entry, electronic signature capabilities, charge capture, orders management, work list generation, integration with the Olympus EMR as well as availability of management reports.

"The implementation of the MediLinks respiratory electronic charting was a monumental success. Many hours of planning, organizing and educating by our ITS and Respiratory Care Departments came to fruition with a working electronic record. Not only will this make all respiratory documentation easily accessible to hospital care givers, it will also create a database with a wealth of information to be used to improve our practices, provide better patient care, and improve our patients' safety." Jim Behnke, Manager of Pulmonary Services.

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MediLinks-Respiratory is a clinical-based application with ongoing clinical and system support from the Respiratory Therapy Department. The initial success of the project has been attributed to the great commitment and ownership of the project by the Respiratory Therapy Management and their partnering with Information Technology Services to build the system.

## **New Wireless Infrastructure**

A new wireless system has been deployed in 585 Komas Data Center, the Health Sciences Education Building and other various locations. Along with new Aruba equipment, additional access points were added throughout the buildings. The University Hospital and Orthopaedic Center buildings are next on the list and scheduled to be completed by the end of September.

The schedule for installation through the end of October is:

- Critical Care Pavilion
- UUOC
- College of Nursing/College of Pharmacy
- Redstone Clinic
- Main Hospital (All floors B-6)
- University Neuropsychiatric Unit
- College of Health

To achieve complete coverage within the entire Health Sciences Center, in the shortest time possible, ITS will be deploying wireless at a building level only.

The three new wireless networks are:

1. **uuhsc** will be replacing uhosp1 at 585 Komas by the end of September and uses network login credentials. Eventually this network will take the place of uhosp1 throughout the institution.
2. **secure.utah.edu** is the campus standard for secure wireless access. This will allow you access throughout the campus wireless system and users your campus uNID (Kronos) and password for login credentials.
3. **insecure** is web-based, requires SSL authentication, and is unencrypted on the campus network – outside the firewall.

Please contact the ITS Help Desk for information on how to set up your wireless devices.