

## At a Glance

### Organization

DuBois Regional Medical Center  
DuBois, Pa.

- Two facilities
- 150 physicians
- Serves five counties in west central Pennsylvania
- Part of a five-hospital RHIO

### Solution Spotlight

- Horizon Medical Imaging™
- Horizon Rad Station™
- Horizon<sup>WP</sup> Physician Portal

### Critical Issues

- Implementation of CPOE and sharing of clinical data throughout the RHIO
- Enterprise image management for all clinical specialties
- Referring physician access to patients' images and records

### Results

- Improved clinical efficiency
- Increased patient throughput
- Faster report turnaround
- Higher patient and physician satisfaction
- Enhanced patient education and care

## DuBois Regional Medical Center Leverages PACS Across a Growing Region

Embracing new technology is a critical component of the corporate culture at DuBois Regional Medical Center (DRMC) in west central Pennsylvania. Recognized as a leader in delivering quality and complete healthcare with the receipt of several prestigious awards, DuBois received funding from the state government in 2007 to establish a Regional Health Information Organization (RHIO) for five hospitals in the area, including the two DuBois campuses.

### Challenges

According to Tom Johnson, MIS Manager, DRMC, forming a RHIO includes two distinct, yet complementary, goals: The ability to provide continuance of care by bringing together the patient record in one complete regional view and greater capabilities to track patient outcome trends to further understand the medical needs of the community.

"We plan to aggregate data at the population level to drive change and also approach pharmaceutical companies to participate in clinical trials that will generate a new revenue stream and, most importantly, provide new drugs to the people in our community," Johnson says. He turned to McKesson to implement the facility's first "full" picture archiving and communication

system (PACS) in March 2005 and lay the foundation for an enterprisewide electronic health record (EHR).

### Answers

DuBois specifically selected the Horizon Medical Imaging™ PACS because of the "enthusiasm of the McKesson team plus the acceptance and capability of the products. These elements solidified our decision," Johnson says.

The Horizon Medical Imaging PACS installation went live within three days. Johnson explains, "My expectation to implement so quickly was low, but with the implementation team's knowledge, preparation and dedication, McKesson was successful and far exceeded my expectations. Their 'disruption-free' installations are simply the best."

A key strength of the Horizon Medical Imaging PACS solution is the complete integration of medical imaging with information technology throughout the enterprise. The adaptive image loading capability of Horizon Rad Station™ ensures that radiologists have immediate access to any image in a study. When combined with staged display protocols, this capability not only affects the radiologists' efficiency but also improves the quality of care throughout the enterprise.

# Case Study

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**Tom Johnson**  
*MIS Manager*  
*DuBois Regional*  
*Medical Center*

By supporting plans for seamless integration, Horizon Medical Imaging offers viewing of any image type, regardless of where it originates — radiology, cardiology, endoscopy, gastroenterology, etc. With features such as integration with Horizon<sup>WP</sup> Physician Portal solution and the prestigious Support Center Practices (SCP) certification for wireless technologies, McKesson's Horizon Medical Imaging PACS brings patient information to the point of care and helps DuBois increase overall operational efficiencies. Unique tools like Horizon Medical Imaging™ ER Discrepancy Tracking facilitate communication between the emergency department and radiology and track the entire workflow process to further streamline an audit process.

"Our goal is to move to an advanced state of healthcare delivery with a closed-loop medical and communication system and physician order entry," Johnson says. Horizon<sup>WP</sup> Physician Portal provides referring physicians with the tools to view patient images and reports as part of a complete medical record and lays the foundation for computerized physician order entry (CPOE) and the sharing of patient data throughout the RHIO.

## Results

The workflow capabilities of Horizon Medical Imaging provides DuBois the clinical efficiency, capacity and financial stability to add new modalities and diagnostic or treatment services, which further increases patient and image volume. These additions combine to affect the hospital's growth strategy by enabling patients to receive high-quality care close to home without traveling to larger tertiary centers. According to Johnson, this strategy for growth has enabled DuBois to significantly increase revenue.

Physician and patient satisfaction is also at higher levels. "Radiologists and physicians love the McKesson solution and are comfortable with Horizon Medical Imaging PACS," Johnson notes. The immediate availability of images and reports on Horizon Rad Station helps improve patient care — clinicians can show patients the exact nature of the disease or injury on an electronic image.

The next step for DuBois is to further leverage the technology of Horizon Medical Imaging in the creation of an enterprisewide EHR. "We are looking to implement the second tier of systems to span the enterprise," Johnson says. "McKesson has definitely helped us reach and exceed our goals, and we see them as the key element in our plans for the future."

## McKesson Provider Technologies

5995 Windward Parkway  
Alpharetta, GA 30005

<http://www.mckesson.com>  
1.800.981.8601

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