



## Capital Health System moves to a filmless solution in partnership with Dynamic Imaging and Dell.

### BACKGROUND

For more than a century, Capital Health System's two centers, Helene Fuld and Mercer Medical Center, have been serving the central New Jersey area. The two facilities in Trenton, NJ offer expert care in areas such as maternal child health, cardiology, dialysis, trauma services, oncology, orthopedics, mental health and infectious diseases. With 589 beds, the acute-care, teaching hospital's mission is to provide comprehensive, quality healthcare. This focus on quality is reflected in the health system's commitment to utilizing the most efficient and effective work processes possible in order to provide excellent patient care.

### CHALLENGES

Capital Health System needed a reliable way to share imaging records between the two campuses and with medical professionals from other healthcare facilities who refer their patients. Additionally, the organization wanted to attract new referrals by making it easy for them to share records and communicate from remote locations. Another important criterion of the new solution was improved workflow between sites. And the hardware supporting the new solution was a key part of accomplishing these objectives. "We needed equipment that was fast and scalable so that we can expand as our data storage needs increase in the future," Ken Szeliga, director of information technology explains.

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—Frank Wilverding, PACS Manager Capital Health System

## SOLUTION

A Picture Archiving and Communications System (PACS) was a natural choice for Capital Health System and the technology team selected digital image management company Dynamic Imaging to implement its IntegradWeb, a web-based PACS. “We conducted a thorough analysis and comparison of over a dozen vendors, and consulted and visited multiple institutions, before concluding that Dynamic Imaging could best help us move to a filmless environment smoothly and effectively,” Yaakov Applbaum, M.D., chairman of radiology says.

“We decided to utilize Dell™ hardware for the solution because of Dell’s reliability and scalability in enterprise implementations,” Dmitry Pavlov, CTO for Dynamic Imaging says. Dynamic Imaging used clustered Dell PowerEdge™ 6650 servers and Dell|EMC® CX500 storage systems in a Storage Area Network (SAN) configuration at each campus. Plus, radiologists and other clinicians use Dell Precision™ 650 workstations to stay connected and informed of patient needs and records.

## RESULTS

The PACS implementation has been a success at Capital Health System. “One benefit of the Dynamic Imaging solution based on Dell hardware is that it was set-up and configured quickly,” Szeliga says. As a result of this new solution, Capital Health System can easily get expert interpretations from radiologists virtually anywhere, including abroad, in a matter of seconds. Its doctors also have the ability to work from anywhere and have access to the records at either of its two New Jersey facilities.

In addition, the PACS is highly reliable, a critical factor in medical environments. “My life would be miserable if our solution did not work for any reason,” Frank Wilverding, PACS manager says. “Our PACS works, and it works very well. If there is a problem, it is handled seamlessly and our staff usually never knows there was an issue.”

### Dynamic Imaging Ranked #1 by KLAS



Healthcare Information Technology research and consulting firm, KLAS, ranked Dynamic Imaging number one in the Diagnostic Imaging Center category for 2004. Additionally, Dynamic Imaging received the highest score in the large hospital segment. The scores and rankings are based on hundreds of interviews with imaging professionals and a competitive qualification process.

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