

"Our InSite One InDex® digital imaging storage solution has functioned flawlessly since it was implemented in 2004," says Cheryl Dodd, RT (M) (CT), Director of Medical Imaging for the acute-care facility in Casa Grande Arizona.

At Casa Grande Regional Medical Center, image archiving is never on anybody's mind. And that's exactly as it should be. "Our InSite One InDex® digital imaging storage solution has functioned flawlessly since it was implemented in 2004," says Cheryl Dodd, RT (M) (CT), Director of Medical Imaging for the acute-care facility in Casa Grande Arizona. "It seamlessly archives our images and provides immediate access and redundant back-up, to these images when needed for efficient quality patient care."

According to Dodd, InDex is an affordable, seamless, flexible solution that will grow with any site into the future. "When looking for an archiving solution," says Dodd, "InSite One's InDex® service was the easy and obvious choice, and we haven't looked back"

Located midway between Phoenix and Tucson, Casa Grande Regional Medical Center is a full-service, community-owned, nonprofit hospital committed to providing quality health care to the local Casa Grande Valley in a caring and compassionate environment.

Casa Grande Regional Medical Center
Casa Grande, AZ



The radiology department's conversion to digital imaging was part of a \$25 million upgrade to meet the needs of its growing community. Along with a full range of technology improvements, the project increased the number of beds from 116 to 201.

Casa Grande's busy radiology department provides a full range of modalities, including digital x-ray, 16-slice CT, MRI, echo, ultrasound and vascular imaging. The nearby affiliated Desert Reflections Imaging Center offers a similar array of modalities and also includes women's imaging specialties. Reading services are provided by an independent radiology group through a combination of onsite interpretation as well as offsite reading from multiple locations.

The facility implemented its InSite One InDex solution in 2004, when it converted from an analog to a digital environment with a eRad PACS. The conversion was managed in large part through the radiology department and its administrator at the time, who had a strong clinical background. Initially, a range of solutions, including purchasing and maintaining an archive in-house, were considered.

However, because the hospital had limited in-house IT resources, the search soon took on one over arching goal—to find a fully managed solution that would shift most of the decision making and day-to-day management to an expert outside resource.

"This made a lot of sense," comments Dodd, who assumed the position of radiology administrator in 2007. "Our patient's vital diagnostic information is crucial to high-quality medical care, and the IT system that stores this must be fail-proof. To ensure this and to keep the department running like clockwork, our radiology administrators have always had a clinical—not information management—focus."

The hospital also wanted to ensure that the archive would offer scalability, HIPAA-enabled disaster recovery and affordable price. Further, they sought a solution that would expand with the rapidly growing hospital and would keep pace with evolving technology.

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After surveying the marketplace, Casa Grande staff met with InSite One at the Society for Computer Applications in Radiology (SCAR)—now SIIM—conference in 2003 and found a match for all their needs. InSite One's affordable pay-per-use pricing for the life of the study made the most of the community hospital's operating budget and eliminated all up front capital expenses.

As part of its archiving service, InSite One installed a sophisticated onsite proxy server with RAID to ensure seamless storage and efficient accessibility of Casa Grande's recent multi-modality images. The onsite archive is linked through high-speed Internet connectivity to InSite One's centralized storage facilities in Connecticut and mirrored to the Arizona data warehouse, where images are duplicated to provide immediate multiple layers of redundancy for disaster recovery protection and to enable HIPAA-compliance. "InSite One gave us extensive personal attention and worked with our PACS vendor, eRad, to integrate the archive and have it up and running quickly," says Dodd.

After that, she says, there really was no story. "The entire InSite One system has worked like clockwork and is virtually invisible to radiologists and our entire department staff," she says. "Happily, we have never needed to use the disaster recovery feature, but InSite One does monitor it on an ongoing basis to ensure that it's working. Our archive grows with us to accommodate our expanding image volume. And InSite One's continuing system upgrades keep us on the leading edge of technology."

With this in place, Dodd is able to continue to do her job as a skilled radiology administrator, keeping the department running like clockwork. With InSite One, digital archiving is an enabling technology that helps skilled radiology department members to work more effectively and efficiently. And that's just how it should be.