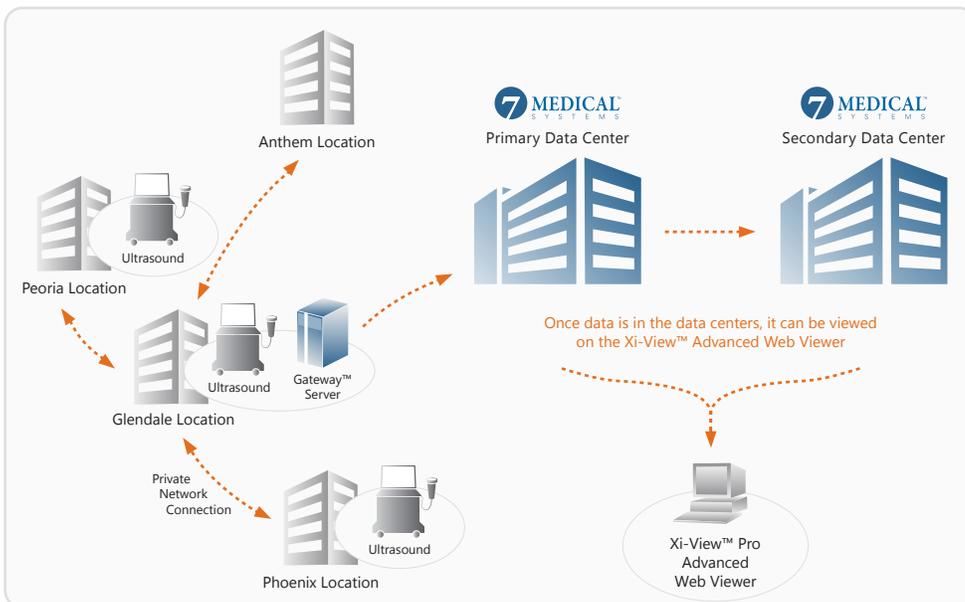# How it Works

Cloud-based Solution

Desert West OB/GYN operates four locations in Arizona, including its main office in Glendale, Phoenix, Peoria and Anthem. The clinic implemented 7 Medical's cloud-based Xi-Imaging™ (PACS) solution with the X-Connect™ integration to achieve an image-enabled EMR.

All studies are routed to 7 Medical's Type II SSAE 16 and HIPAA audited data center for long-term storage with secondary backup and disaster recovery.

Desert West's Phoenix, Peoria and Anthem locations are connected to the main Glendale location via a local area network (LAN). Glendale is connected to 7 Medical's data center via a virtual private network (VPN) tunnel.

Storage, Disaster Recovery & Redundancy

Imaging studies are stored in 7 Medical's primary data center and backed up to a secondary data center, providing redundancy and disaster recovery protection. The data centers are equipped with state-of-the-art cooling, backup power generators, and redundant Internet connectivity. In the event of an outage, emergency or natural disaster, Desert West is protected and can be easily restored.

QUICK FACTS

Locations & Populations Served

- Glendale: 234,632
- Phoenix: 1,513,000
- Peoria: 162,592
- Anthem: 22,777

Number of Providers: 15

Modalities: Ultrasound

- 3 in Glendale
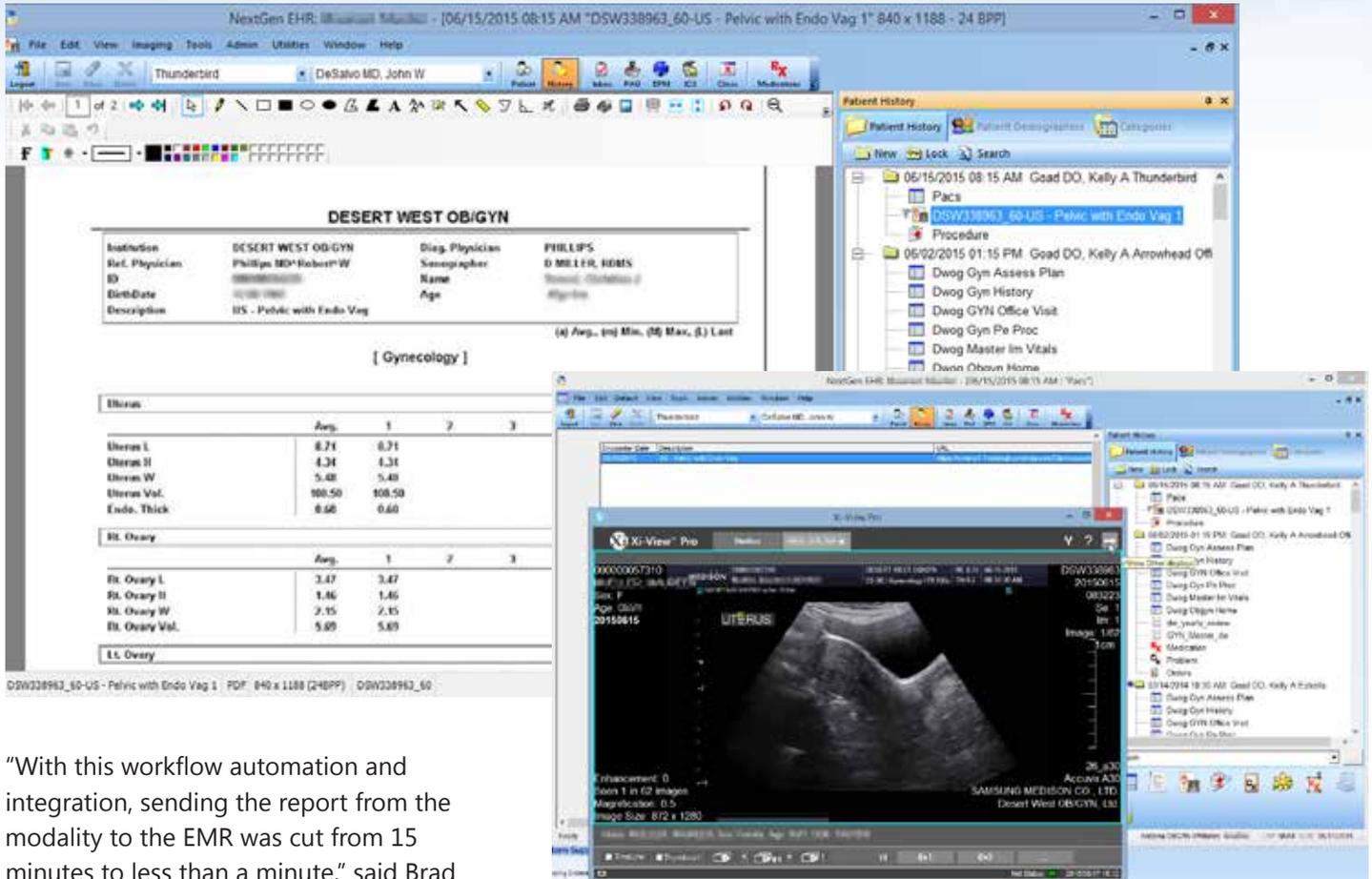- 2 in Estrella (Phoenix)
- 1 in Peoria

Imaging Volumes:

- 1,750 studies monthly
- Migration of 5 years of studies from legacy PACS

Visit Online:

http://desertwestobgyn.com/

Integrating the Ultrasound Report into the EMR

Figure 1. 7 Medical's X-Connect™ integration enabled Desert West to automate the process of getting the structured ultrasound report back into its EMR.

Figure 2. From the EMR, Desert West clicks on a URL link to launch Xi-View™ Pro, an advanced thin-client viewer, for viewing images and reports side by side.

"With this workflow automation and integration, sending the report from the modality to the EMR was cut from 15 minutes to less than a minute," said Brad Fox, EHR Systems Manager at Desert West. "It's great because patient cycle times are so much shorter. Physicians can see patients and get their diagnostic reports and access to images right away."

Integrate US reports and images into your EMR.

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