

Good Samaritan Health Center

doing likewise



Good Sam Gwinnett: Facility Relocation and Technology Modernization Project

Modern technology and a dream come true

Good Samaritan Health Center of Gwinnett Mission

To demonstrate the love of Christ through providing affordable primary healthcare and dental services to the poor and uninsured.

“Managing a busy non-profit medical practice while raising the funds necessary to support it leaves little time for other activities, especially DIY technology projects. I have counted on LAN Systems for five years to keep our computers and software operational, and they have done that without fail. They have helped us reduce costs, stay abreast of potential threats to and weaknesses of our network, and have rescued us more than once after lightning struck a utility pole in our parking lot. I believe they care about our organization and have been a trusted asset as we’ve had to grow to meet demand for our services. – Greg Lang, Executive Director

Executive Summary

For many years, Good Samaritan Health Center of Gwinnett (Good Sam Gwinnett) dreamed of a new home. Founded in 2005, their mission quickly outgrew their space. A dedicated network of volunteers and donors allowed them to add new services, like pediatrics and dentistry, and fulfill their prayers for an expanded facility. The realization of a new health center needed additional equipment and modernization of the IT infrastructure.

For any clinic, staying abreast of the latest technology is important, for Good Sam Gwinnett, it is essential. They knew that outdated, stitched together technology was more than inefficient – it was a headache that consumed many hours better spent in service of their mission. So, when they moved forward with their new facility, they wisely included an upgrade to their IT systems.



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Challenges

Moving and expanding the clinic required a great deal of planning. In addition to moving medical equipment, files, and furniture, the technology infrastructure needed to be moved and upgraded.

Upgrades included new Internet service, phones, servers, desktops and peripherals. The facility was completely renovated requiring new cabling throughout.

With so many moving technology parts, Good Sam Gwinnett asked LAN Systems to oversee the technology rollout.

Time for a Technology Upgrade

Just as Good Sam Gwinnett needed a facility upgrade, their technology was in need of modernization. For many years, they struggled with an aging infrastructure that was difficult to keep online and running trouble-free. They were in the perfect place to strategically rebuild their IT infrastructure.

As a medical clinic, they have requirements for an electronic health record system (EHR) that is state-of-the-art, meets all HIPAA standards and provides caregivers with a system that combines efficiency and high-availability. A new server, virtualized for optimum hardware utilization, availability, recovery and ease of administration was chosen. For users, all-in-one desktops were chosen for maximum computing power and a reduced footprint. Networking and wireless devices with superior functionality and robustness were chosen.

The new infrastructure was designed to perform under high-load, in-motion

scenarios and deliver an uninterrupted experience to the user.

Hyper-V replica is available for disaster recovery, scalability and automation providing a flexible, cost-effective, robust disaster recovery, and high-availability failover solution.

Below is a summary of some of the modernization features:

- On-premise Hewlett-Packard server with Microsoft Server 2012 R2 is managing all physical and virtual machines
- Virtual servers are deployed for medical, dental and other applications
- Hyper-V replica available for scalability and disaster recovery
- Microsoft Office 365 for email and collaboration
- Secure wireless network is on a Cisco Meraki platform with access points serving the entire facility
- Simplified backup and disaster recovery that combines local and Cloud solutions

Results, Return on Investment and Future Plans

Good Sam Gwinnett has realized their dream of serving more with high quality medical services. The chosen technology provides them with robustness and expandability that will serve them for many years. Modernizing the on-premise infrastructure and using Cloud applications, where appropriate, has put them in-line with any enterprise class IT system.

Because LAN Systems was able to re-establish their eligibility with TechSoup, Good Sam Gwinnett saved over \$30K in Microsoft license fees. Additionally, they were able to take advantage of an offer through TechBridge to purchase equipment at a substantial discount. These savings allowed them to maximize their return on investment.

The current IT system will serve them for many years and was designed for growth. Doctors, nurses and caregivers at Good Sam Gwinnett will find the same state-of-the-art medical systems as at the world's best hospitals and clinics allowing them to serve their patients with the most modern of technology.



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