



Guthrie Healthcare

Network Plan

- **Goals and objectives of the proposed network**

Guthrie is a non-profit integrated health system located in north central Pennsylvania and upstate New York, serving patients from a twelve-county service area.

Guthrie, a nonprofit organization is comprised of the Guthrie Medical Group, a multi-specialty medical practice with 295 physicians and more than 175 midlevel providers located throughout Pennsylvania and New York.

Guthrie has been providing quality services to the area since it was founded in 1910.

Our goal is to connect all the remote sites to the hospital's information systems to provide a central source for patient information. Connecting the clinics to the hospital's network allows the clinics to access all of its resources including primary EMR applications, current and NextGen information services.

Our long-range vision of Guthrie Healthcare is to enable a set of standard telehealth connection services that will interconnect throughout the region and facilitate any healthcare location in nearby states to share one or more telehealth services with any other healthcare location in the regional and ultimately to share on a national level.

- **Strategy for aggregating the specific needs of health care providers (HCPs), including providers that serve rural areas, within a state or region**

Most of the remote clinics are small, so providing a separate EMR application for each site would not be cost effective, and would make the sharing of this information with other health care providers difficult. By sharing the hospital's resources, each clinic and remote site will have access to a much broader array of information services.

- **Strategy for leveraging existing technology to adopt the most efficient and cost-effective means of connecting those providers**

The clinics already have network equipment to interconnect PCs and printers. By using high speed connections and standard network equipment, the Guthrie Healthcare Consortium will be able to connect the PCs and printers in the remote offices to the hospital's existing network. This will allow access to servers and applications in the hospital as well as cloud based applications available on the internet. The hospital already has an extensive network of leased

facilities, which interconnect connects the Hospital and remote clinics.

- Discussion of how the broadband services will be used to improve or provide health care delivery

The hospital and clinics have direct access to the internet for cloud based services and dedicated access for such services as radiology and patient records. Remote locations are connected using a combination of DS 1s, DS 3s, dark fiber, PRI, Centrex lines and high speed Ethernet connections. This network will support applications such as:

- Interactive video conferencing and telemedicine.
- Streaming video for distance learning and continuing education.
- Enabling medical record queries from multiple sources.
- Transmission and receipt of imaging files.
- Web-based collaboration tools for meetings and peer-to-peer consultation and interaction and for hospital administration.
- Access to internet based resources for staff and patient education.

The hospitals and all clinics and locations will benefit from these high-speed connections. Facilities will be upgraded and expanded, as needed for growth and new services beyond what's mentioned above.

- Discussion of previous experience in developing and managing health IT (including telemedicine) programs

Ed Mattison, VP of Infrastructure and Cybersecurity , will oversee this project.

A project management plan outlining the project's leadership and management structure (a work plan, schedule, and budget)

- Ed Mattison will serve as project manager for this project.
- Schedule:
 - Bid process to last 28 days with earliest contract selection date on the 29th day
 - Implementation of service is expected to take place within the associated fund year.

Budget:

-Telecommunication Services - Projected Cost ~\$342,000

-65% of these costs will be covered under the Healthcare Connect Fund, while the remaining balance will be paid out of the hospital's income.

Sites that are participating in this consortium are:

HCP NO.	Site Name	HCP Address
14236	Memorial Hospital - Towanda	91 Hospital Dr., Towanda, Pennsylvania 18848
18175	Troy Community Hospital and Clinic	275 Guthrie Dr., Troy, Pennsylvania 16947-0036
18176	Guthrie Clinic Wyalusing	Route 6 West - Farm & Home Plaza, Wyalusing, Pennsylvania 18853
18177	Guthrie Clinic - Waverly	29 North Chemung St., Waverly, New York 14892
18178	Guthrie Clinic - Watkins Glen	One First Street, Watkins Glen, New York 14891

18179	Guthrie Clinic - Tunkhannock	512 Towne Plaza Suite 124, Tunkhannock, Pennsylvania 18657
18180	Guthrie Clinic Towanda - Colonial	132 Colonial Drive, Towanda, Pennsylvania 18848
18181	Guthrie Clinic - Towanda - York (This is an orthodontics center)	204 York Avenue, Towanda, Pennsylvania 18848
18182	Corning Hospital - Guthrie	1 Guthrie Drive, Corning, New York 14830
18184	Guthrie Clinic - Wellsboro	110 Plaza Lane, Wellsboro, Pennsylvania 16901
18185	Guthrie Dialysis Center	603 William Street, Towanda, Pennsylvania 18848
18186	Guthrie Waverly Optometry	150 Broad Street, Waverly, New York 14892
18187	Guthrie Clinic - Athens	412 South Main Street, Athens, Pennsylvania 18810
18188	Guthrie Clinic - Canton	127 Sullivan Street, Canton, Pennsylvania 17724
18189	Guthrie Clinic - Centerway	130 Centerway Bridge, Corning, New York 14830
18190	Guthrie Clinic - Dushore	102 East Main Street, Dushore, Pennsylvania 18614
18192	Guthrie Clinic Mansfield	63 South Main Street, Mansfield, Pennsylvania 16933
18193	Guthrie Clinic - Bath	7569 Route 54, Bath, New York 14810
18208	Guthrie Robert Packer Hospital	One Guthrie Square, Sayre, Pennsylvania 18840
40950	Troy Clinic	285 Guthrie Drive, Troy, Pennsylvania 16947
40953	Guthrie-Sayre Otolaryngology	116 South Elmer Avenue, Sayre, Pennsylvania 18840
40955	Guthrie-Sayre Pediatrics	1011 North Elmer Avenue, Sayre, Pennsylvania 18840
44973	Guthrie Erwin	9768 Liberty Drive, Painted Post, New York 14870
45354	Business Office	123 West Lockhart Street, Sayre, Pennsylvania 18840
55918	Sayre Desmond Street Practice	105 Desmond Street, Sayre, Pennsylvania 18840
66470	Albro Centre	103 South Elmer Avenue, Sayre, Pennsylvania 18840
67144	Guthrie - Krog Buliding	8 Denison Parkway Suite W, Corning, New York 14830
67996	GUTH - Guthrie Clinic - Maylock	7 Colonial Drive, Towanda, Pennsylvania 18848
69549	GUTH - Cortland	134 Homer Avenue, Cortland, New York 13045