

Prepare your network to meet growing telehealth demands



Improve the patient experience by improving your network.

Telemedicine is proving its ability to enhance healthcare across key metrics — everything from patient satisfaction to cost savings to outcomes. In fact, a recent study conducted by Public Opinion Strategies found that 54% of Americans have now had a telehealth visit with 89% of those patients stating they were satisfied with their most recent telehealth visit.¹

For healthcare providers, telehealth services require that providers ensure they have the network capacity and performance to ensure high-speed, reliable and low-latency telecommunications services to support the increasing demand.

Bandwidth requirements

Modern healthcare organizations require internet bandwidth to support an array of services, such as clinic management functions, email, web browsing, the simultaneous use of electronic health record (EHR) and high-quality video consultations, real-time image transfer, remote monitoring and HD video consultations. To support these services, the Federal Communications Commission (FCC) recommends the following *minimum* bandwidth speeds for different sized healthcare organizations:²

Type of facility	Mbps
Small physician practice (2-4)	10 Mbps
Nursing home	10 Mbps
Rural health clinic (approx. 5 physicians)	10 Mbps
Clinic/Large physician practice (5-25)	25 Mbps
Hospital	100 Mbps
Academic/Large medical center	1 Gbps

However, it's important to note that these minimums can support only a few simultaneous connections and don't include the full breadth of bandwidth-intensive applications used throughout other parts of healthcare.

Factors to consider

Estimating your organization's bandwidth requirements can be complex. You should consider the following factors when making your assessment:

- Number of users.
- User locations.
- Real-time transactions.

Why choose Spectrum Enterprise® as your preferred healthcare IT provider

Dedicated Fiber Internet

Increase the reliability and performance of your network with a dedicated fiber connection. Optimal for data-intensive, cloud-based applications like telehealth solutions, our Dedicated Fiber Internet service gives you continuous and symmetrical connectivity, delivering an ultra-reliable and highly scalable, high-speed internet service.

Secure and reliable WAN services

Telehealth technologies like telediagnosis and telecollaboration require consistent and reliable connectivity to enable seamless collaboration across locations. For private connectivity to one or multiple locations, Spectrum Enterprise Ethernet Services delivers real-time, low-latency, secure and cost-effective connectivity that can quickly adapt to your evolving bandwidth needs. Alternatively, our Managed Practice Package offers security, routing, SD-WAN, WiFi, switching, smart cameras and environmental sensors in a modular, all-in-one solution. You achieve flexibility and scalability with connectivity, equipment and network management from a single partner.

Private connections to the cloud

Spectrum Enterprise offers the ability to move data dependably and securely with reliable cloud access. Combined with our Ethernet Services, our Cloud Connect service enables integration of public clouds with your private WAN to reduce security risks and ensure fast and consistent high performance in the cloud.



Seamless and cost-effective voice and collaboration solutions

Communication between staff, providers, departments and patients is critical for efficient operations, the delivery of quality care and positive patient outcomes. From premises-based phone systems to cloud-based voice and collaboration solutions, Spectrum Enterprise offers a broad array of features and service options, including PRI and SIP Trunking and unified communications, to connect staff, providers, patients and visitors simply, seamlessly and cost-effectively.

Eliminate the day-to-day network administration

Managed network services from Spectrum Enterprise (including Managed WiFi, Managed Router Service and managed cloud security, as well as Managed Network Edge, powered by Cisco Meraki, give healthcare IT leaders the ability to keep their network up to date and running smoothly and securely without day-to-day network administration. Get access to modern equipment and the latest software and upgrades. Our, easy-to-use service portals provide insight into network activities to enable you to make better informed decisions about future IT investments.

Funding to support of telehealth

The FCC's Rural Health Care (RHC) Program, administered by the Universal Service Administrative Company (USAC), provides funding to eligible healthcare providers serving rural and underserved communities to obtain discounted prices for broadband networks. Our team of dedicated RHC Program specialists can help you navigate the program, and to establish networks that support telehealth capabilities that can help expand and improve the quality of healthcare for rural and underserved communities.

We can work with your organization to apply for funding in connection with these and other government programs to support the expansion of your broadband services.

Learn more about the Spectrum Enterprise solutions that enable you to advance your digital health initiatives at enterprise.spectrum.com/healthcare.

1. ["2024 National Telehealth Survey," Public Opinion Strategies](#), March 4, 2024.
2. ["The Office of the National Coordinator of Health IT \(ONC\)," Alliance for Connected Care](#), Nov. 28, 2023.

About Spectrum Enterprise

Spectrum Enterprise, a part of Charter Communications, Inc., is a national provider of scalable, fiber technology solutions serving many of America's largest businesses and communications service providers. The broad Spectrum Enterprise portfolio includes [networking and managed services solutions](#): [Internet access](#), [Ethernet access and networks](#), [Voice](#) and [TV solutions](#). The Spectrum Enterprise team of experts works closely with clients to achieve greater business success by providing solutions designed to meet their evolving needs. For more information, visit enterprise.spectrum.com.

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