

# TELERADIOLOGY SOLUTION



"I don't know any radiologist who doesn't request to work remotely. The ability to work from home is more important to me than my pension."

Teleradiologist, Kaiser Permanente Medical group

## BENEFITS OF TELERADIOLOGY

**Efficiency:** Remote radiology allows healthcare facilities in underserved areas or regions with a shortage of radiologists to access specialized expertise from remote locations. Remote radiologists can efficiently manage and prioritize their workload, leading to streamlined operations.

**Faster Turnaround Time:** Transmitting images and patient data electronically allows for rapid image review and diagnostic reporting by remote radiologists. This faster turnaround time leads to quicker diagnosis and treatment decisions, enhancing patient care and reducing anxiety for patients and their families.

**Improved Work-Life Balance for Radiologists:** For radiologists, remote work options provided by remote radiology can offer better work-life balance, reduced commuting time, and increased job flexibility. This can lead to higher job satisfaction and potentially attract and retain more radiologists in the field.

**Cost-Effectiveness:** Utilizing remote radiology services can be cost-effective for healthcare facilities. Instead of maintaining a full-time, on-site radiology team, facilities can use remote radiology on an as-needed basis, reducing staffing costs while still maintaining high-quality imaging services.

## The Remote Radiologist is Here to Stay

### Protecting the workflows of your most valued remote teams

The demand for teleradiology has seen a significant upswing in recent years due to several factors. An increased demand for advanced imaging procedures has been driven by a rapidly aging population and a rise in chronic diseases, particularly cardiovascular disease. A rise in specialty modalities and nighthawk services for emergency room support has also contributed to this demand.

Simultaneously, there's a growing global shortage of radiologists, leading healthcare providers to seek solutions to meet their radiology reporting needs. Meanwhile, today's radiologists value the ability to work remotely from home, and hospitals are offering this flexibility to recruit and retain staff. Advancements in imaging and communication technologies have made it easier than ever for radiologists to work remotely, further fueling the growth of this field.

### A Teleradiology platform offers numerous benefits for both healthcare providers and patients.

For providers, it allows access to a broader pool of radiology experts, leading to more accurate and timely diagnosis. It also helps address staffing shortages and enables better workload distribution among radiologists. For patients, remote radiology reduces wait times for imaging results, enabling quicker treatment plans and potentially improved outcomes. Additionally, rural and underserved communities can access specialized radiology services that might not have been otherwise available locally.



### Remote Radiology.

Teleradiologists working from home and remote locations using technology to facilitate virtual meetings have become an industry standard for many radiologists.



What once was considered an 'overnight service only' is now a viable career option for those physicians who don't desire to work in the hospital or imaging center environments. Overall, remote radiology plays a crucial role in optimizing healthcare services, bridging geographical gaps, and facilitating timely and accurate diagnoses, all of which contribute to improved patient care and outcomes.



“Thanks very much again for providing this invaluable [SD-WAN] tool. I think as we consider remote work for our division this item should be considered mandatory for optimal business performance.”

MD Anderson Physician



## Adapting to a Teleradiology Solution

Transitioning to a Teleradiology solution can be challenging for some healthcare providers and radiologists. Successful teleradiology workflows need reliable, optimized connectivity. Remote workers using home broadband face unstable connections due to network issues, and competing demands for bandwidth in the home can degrade system performance, image quality, and turnaround times.

Healthcare providers need a way beyond traditional WAN, VPN, and security solutions to provide the teleradiologist with secure, high-performance access to applications and data wherever they are.

VMware delivers Teleradiology solutions that provide optimal performance of devices, apps and data-heavy resources to ensure frictionless experiences for radiologists, IT and patients. These solutions improve timeliness, diagnostic throughput, and access to care and reach through digital channels.



A Teleradiology platform needs an SD-WAN solution for remote radiology. The SD-WAN solution is being used for Diagnostic Radiology Image Reading, so a remote radiologist can use it to secure their workflow and optimize their app performance and network performance while reading images. VMware SD-WAN offers a first of its kind SD-WAN client that follows the principles of Zero Trust to extend the benefits of reliable, optimal, and secure connectivity for end user devices.

Manage distributed and secure Work from Anywhere (WFA) enterprise deployments with the client experience that eliminates IT visits. AIOps solution that ensures the teleradiologist performance, security, and self-healing.



Support teleradiologist and staff flexibility. Improve the quality of communications and interactions with patients through secure access to health systems and PHI from any device or location.

Operate a modern, modular healthcare IT model that facilitates interoperability and emerging tech across disparate systems and data sources to reach data-driven decisions faster.

### WANT TO KNOW MORE?

If you are interested in knowing why Healthcare Providers select Workspace ONE, SD-WAN, and Horizon, VMware Offers

- Interactive Discovery Workshop to discover your Teleradiologists' benefits.
- Update session to understand the (technical) benefits of VMware's teleradiology solution.
- Organize a reference call with one of our Healthcare Providers.

Secure access to desktops and apps keeps teleradiologists connected and productive anywhere they work and on any device with a consistent desktop experience. Horizon has been positioned as supporting all other, non-diagnostic clinical workflows, including pulling up archived images for reference or comparison. VMware Horizon delivers an exceptional remote experience with secure workstation-class performance, rich 2D and 3D graphics, and optimized voice and video support.



**Teleradiology is an increasingly important aspect of modern healthcare, offering numerous benefits such as enhanced accessibility, reduced wait times, and improved collaboration between professionals. VMware encourages radiologists and healthcare providers to explore the exciting opportunities it presents and consider how VMware can help them excel in this and other remote work situations.**