



Connected Health

Reduce Costs. Improve Productivity. Deliver Better Care.

Cisco Healthcare Solutions

Connected Health is Cisco's vision of a healthcare ecosystem that facilitates communications among staff and clinicians so they can collaborate more closely and connect with patients and family members to improve the quality of care.

Industry Challenges

Healthcare providers face continual pressures to be accessible, affordable, and responsive. As a result, healthcare organizations rely on technology to help achieve essential objectives:

- Better quality of care
- Improved patient outcomes
- Increased productivity and workflow efficiency
- Better information at the point of care
- Improved and integrated communications
- Privacy and protection of patient information

Today, most hospital networks run, on average, more than 300 applications. Patient information is scattered across disparate systems in public and private healthcare entities, making it difficult and costly for healthcare professionals to share vital medical, clinical, and patient information.

The Cisco Vision

Healthcare needs to move toward a new vision—one in which all parts of the healthcare world seamlessly connect to networked data, information, knowledge, and processes in order to reduce costs, improve productivity, and deliver better care. That vision is Connected Health.

Connected Health helps create collaborative relationships among healthcare stakeholders to enable delivery of safe, affordable, accessible health services. Cisco promotes a Connected Health community through interoperable processes, technology, and people to provide critical health information when and where it's needed.

The Medical-Grade Network

Healthcare professionals are increasingly looking for networking solutions that ease the tangle of systems and devices.

The Cisco® Medical-Grade Network framework is optimized for healthcare environments and provides a foundation for connecting healthcare ecosystems. This framework empowers your organization to map its clinical and business requirements to technology solutions for improved interoperability, security, availability, productivity, and flexibility. Above all, the Cisco Medical-Grade Network is designed to be resilient, protected, responsive, and interactive—providing a robust foundation for the following solutions.



Cisco Solutions

In collaboration with leading vendors of health information technology, Cisco offers a portfolio of integrated solutions to help caregivers reduce costs, improve productivity, and deliver better care.

Cisco Connected Imaging Solutions optimize storage, access, and collaborative use of medical images to increase productivity and reduce costs.

- **Horizon Medical Imaging Collaboration** integrates PACS with emerging communication technology, encompassing not only voice and voicemail, but also instant messaging and email. Together, they address the need of reducing clinical errors through enhanced communication and improving collaboration across healthcare providers.
- **Cisco Collaboration and Reporting** helps provide effective, efficient image consultations with radiologists and physicians in any location, using advanced communications and collaboration tools integrated with PACS.
- **Cisco Medical Image Architecture** supports secure, fast, scalable imaging services with advanced application and storage virtualization, high-performance networking, and intelligent image routing.

Cisco Care-at-a-Distance Solutions support clinical care unbounded by distance, physical location, or setting.

- **Cisco TelePresence™ for Healthcare** offers an intimate, person-to-person communication experience, unbounded by distance or physical location.
- **Cisco Expert on Demand** enables immediate communication between caregivers with on-demand audio and video conferencing.
- **Cisco Collaboration and Reporting** (description above)

Cisco Clinical Workflow Solutions help streamline workflows and improve communication among clinicians.

- **Cisco Nurse Connect** integrates certain nurse call systems with Cisco wireless phones to enhance communications between the patient and care provider.
- **Cisco Mobile Collaboration** enables clinicians and healthcare staffs to communicate and collaborate, as well as access and exchange information more effectively at the point of care, or anywhere needed.
- **Cisco Context-Aware Healthcare** helps improve clinical processes with real-time resource location information and access to environmental information to help provide an optimal patient experience.
- **Horizon Medical Imaging Collaboration** (description above)
- **Cisco Collaboration and Reporting** (description above)
- **Cisco Expert on Demand** (description above)

Cisco Healthcare Technology Foundations are comprehensive healthcare IT infrastructure solutions that help enable security, reliability, and regulatory compliance.

- **Cisco Security and Regulatory Compliance** promotes security best practices to meet regulatory requirements such as HIPAA.
 - **Cisco Biomed Network Access Control** allows healthcare organizations to use a single, unified, and converged IP network that supports IT and identified biomedical and guest devices.

- **Cisco Payment Card Industry (PCI) for Healthcare** helps healthcare organizations achieve and maintain PCI compliance.
- **Cisco Secure Wireless** extends the healthcare network to the point of care without compromising network security.
- **Cisco Data Center for Healthcare** helps create a comprehensive foundation to support high-performance application and storage environments.
- **Cisco Bedside Services** provide information, entertainment, and connectivity for the patient; and secure, on-demand patient data for doctors and nurses.
- **Cisco Medical Image Architecture** (description above)

Cisco Smart Healthcare Facility Solutions help hospitals reduce the capital and operating expenses of their facilities.

- **Cisco Connected Real Estate for Healthcare** helps achieve healthcare delivery excellence by changing the way hospitals design, build, and manage their environments.

Benefits

The Cisco Medical-Grade Network and the solutions it supports provide a scalable, end-to-end approach for simplifying operations and helping ensure regulatory compliance. The Medical-Grade Network supports mobility, unified communications, and various medical applications including PACS, electronic medical records, and computerized physician order entry. Improved efficiency translates to reduced costs and better patient experiences. The Cisco Medical-Grade Network:

- Promotes faster time to care by giving medical personnel access to information when and where they need it
- Enhances patient safety with timely, more accurate results and protection of patient data
- Improves patient satisfaction by helping to reduce wait times and streamline patient care processes
- Facilitates greater collaboration between caregivers and enables flexible wired and wireless communications
- Optimizes technology investments by fully integrating with existing systems and applications
- Minimizes costly downtime with self-healing capabilities
- Supports mobility, unified communications, and multiple services

Why Cisco

Cisco is an industry leader in networking solutions and is actively involved in international healthcare initiatives focused on accelerating the interoperability and connectivity of disparate systems to improve access to vital healthcare information and services.

Cisco works with healthcare industry leaders—including application developers, system and service providers, device manufacturers, and medical technology vendors—to help drive this transformation.

For more information about Cisco Healthcare solutions, please visit www.cisco.com/go/healthcare