



Connected Health

Reduce Costs.
Improve Productivity.
Deliver Better Care.



Cisco Healthcare Solutions

Cisco helps simplify healthcare communications using a network of interoperable technologies that better connect patients with medical providers, payers, and life science organizations—linking critical information, people, and knowledge to help improve the healthcare experience.

Healthcare Industry Objectives

Because healthcare providers face continual pressure to be accessible, affordable, and responsive, they 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 the average hospital network runs more than 300 applications. Patient data is scattered across disparate systems in public and private entities, and it can be difficult and costly for healthcare professionals to share vital medical, clinical, and patient information.

A New Vision

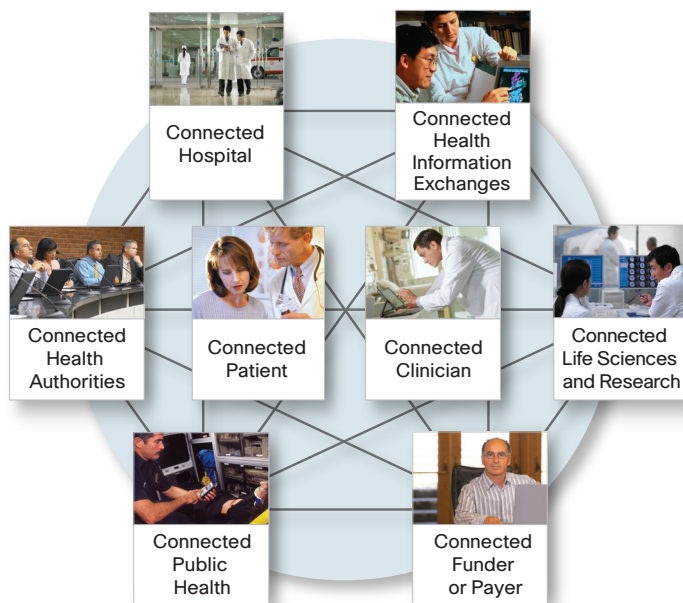
Cisco offers a new vision in which all parts of the healthcare world seamlessly connect to information, knowledge, and processes to help reduce costs, improve productivity, and deliver better care. That vision is Connected Health.

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 need solutions to ease the tangle of systems and devices.

The Cisco® Medical-Grade Network framework provides a foundation for connecting the “ecosystem” of entities in the healthcare environment. This framework empowers your organization to map your clinical and business requirements to technology solutions for improved interoperability, security, availability, productivity, and flexibility. The Cisco Medical-Grade Network, with components to support the most intensive electronic medical record and imaging demands, is designed to be resilient, protected, responsive, and interactive—a robust foundation for Cisco’s integrated solutions.



The Connected Health Community

Cisco Connected Health Solutions

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

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

- **Horizon Medical Imaging Collaboration** integrates picture archiving and communication systems (PACS) with emerging communication technology, encompassing not only voice and voicemail, but also instant messaging and email. Together, they help reduce clinical errors through enhanced communication and improved collaboration among healthcare providers.
- **Cisco Collaboration and Reporting** helps enable effective, efficient image consultations with radiologists and physicians in any location, using advanced communications and collaboration tools integrated with PACS.
- **Cisco Image Architecture**, a component of the Medical-Grade Network, supports highly secure, fast, scalable imaging services with advanced application and storage virtualization, high-performance networking, and intelligent image routing.
- **Cisco Medical Data Exchange** enables disparate systems to interoperate to provide a patient-centric view of medical data.

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

- **Cisco HealthPresence™** helps extend the reach of healthcare delivery, simplify healthcare communications, and connect patients with medical providers in a convenient and efficient manner.
- **Cisco TelePresence for Healthcare** offers an intimate, person-to-person communication experience with high-quality video and sound.
- **Cisco WebEx™ for Healthcare** offers powerful and flexible web-based communication tools to facilitate collaboration for a workforce separated by geography, time zones, and facilities.
- **Cisco Expert on Demand** enables immediate communication between caregivers as well as patients and specialists 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 patients and care providers.
- **Cisco Mobile Collaboration** enables clinicians and healthcare staffs to communicate, collaborate, and access and exchange information effectively at the point of care.
- **Cisco Context-Aware Healthcare** uses real-time resource location information and access to environmental information to help provide an optimal patient experience.
- **Horizon Medical Imaging Collaboration** (description on previous page)
- **Cisco Collaboration and Reporting** (description on previous page)
- **Cisco Expert on Demand** (description on previous page)
- **Cisco WebEx for Healthcare** (description on previous page)
- **Cisco Digital Physician Office** integrates electronic health records (EHR) and IP telephony to help physicians manage their practice by automating clinical documentation and workflow.



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

- **Cisco Security and Regulatory Compliance** promotes security best practices to help meet regulatory requirements such as HIPAA.
 - **Cisco BioMed Network Access Control** helps automate the process of securely connecting biomedical, IT, and guest devices to the network, eliminating time-consuming manual tasks.
 - **Cisco Payment Card Industry (PCI) for Healthcare** helps your organization achieve and maintain PCI compliance.
 - **Cisco Secure Wireless** extends your network to the point of care without compromising network security.
 - **Cisco Data Center for Healthcare** helps support high-performance application and storage environments.
 - **Cisco Image Architecture** (see description on previous page)
 - **Cisco Medical Data Exchange** (description on previous page)
 - **Cisco WebEx for Healthcare** (description on previous page)
 - **Cisco Digital Media System** helps create, manage, deliver, and display digital content to digital signage, desktop video, closed-circuit television, or “Cisco Enterprise TV.”
- Cisco Smart Healthcare Facility Solutions help reduce capital and operating expenses of hospital facilities.
- **Cisco Connected Real Estate for Healthcare** changes the way hospitals design, build, and manage their environments to help achieve healthcare delivery excellence.
 - **Cisco Digital Media System** (description above)

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 network supports mobility, unified communications, and various medical applications including PACS, electronic medical records, and computerized order entry. Improved efficiency means reduced costs and better patient experiences. The Cisco Medical-Grade Network:

- Promotes faster care delivery by giving medical personnel access to information when and where they need it
- 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. To help drive this transformation, Cisco works with healthcare industry leaders including application developers, system and service providers, device manufacturers, and medical technology vendors.

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



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