

Cisco Connected Health

CARE TEAM COLLABORATION, BUSINESS EFFICIENCY, AND QUALITY OUTCOMES



At-A-Glance

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Cisco Healthcare Solutions

As a worldwide leader in networking, Cisco is well positioned to help improve the future of healthcare through networked technologies that transform how people connect, access and share information, and collaborate. Cisco® technologies can benefit all stakeholders, from patients to medical providers, payers, and life sciences organizations. Cisco Connected Health solutions enable care team collaboration and business efficiency while promoting a higher quality of care.

Healthcare Industry Objectives

Because healthcare providers face continual pressure to be accessible, affordable, and responsive, they rely on technology to help achieve essential objectives, including:

- Better quality of care
- Improved patient outcomes
- Improved patient experience
- Increased productivity and workflow efficiency

- Better information at the point of care
- Improved and integrated communications
- Safe care environment
- 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.

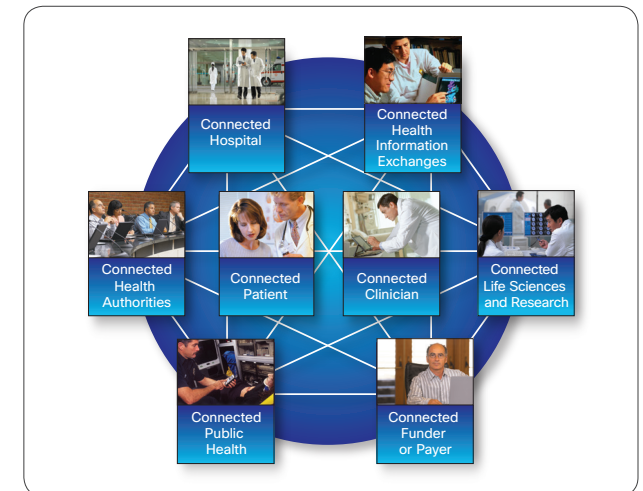
A New Vision

Cisco helps simplify healthcare communications using a network of interoperable technologies that better connect patients with medical providers, payers, and life science organizations. Cisco solutions link critical information, people, and knowledge to help improve the healthcare experience. Our vision is a Connected Health ecosystem that helps to shape a world of health without boundaries.

The Cisco Medical-Grade Network

The Cisco Medical-Grade Network provides a network foundation that enables reliable, seamless, and secure health data communications within the healthcare community (Figure 1). This framework allows integration

Figure 1. The Connected Health Community



and interoperability at each functional area to optimize interactions among healthcare participants, processes, applications, and hardware components. This includes areas such as acute care campus networks, ambulatory clinics, remote clinicians, and data centers.

Cisco Connected Health Solutions

Cisco Care-at-a-Distance and Clinical Workflow Solutions

These solutions enable local and remote team collaboration, patient examinations, and consultations. Included are solutions that streamline workflows and improve communications across teams.

CARE-AT-A-DISTANCE SOLUTIONS

- **Cisco HealthPresence™** helps extend the reach of healthcare delivery, simplify healthcare communications, and connect patients with medical providers and specialists to enable examinations in a convenient and efficient manner.
- **Cisco TelePresence® for Healthcare** helps connect people across regional or global locations for training, consultation, and specialized collaboration.
 - **Cisco TelePresence VX Clinical Assistant** offers a lightweight, highly-mobile, integrated industrial design required to provide high-definition video solution at the point of care.
 - **Cisco TelePresence TX9000 and TX1300 Series** create immersive, in-person meeting experiences over the network for geographically dispersed users.

- **Cisco TelePresence MX Series** combines high-quality and value in a single, turn-key solution. A mobile Extended Height Cart is also available, ideal for healthcare training and education in any location.
- **Cisco TelePresence EX Series** includes personal endpoints that provide real-time, face-to-face communications and increased productivity right at the desktop.
- **Cisco TelePresence VX Tactical** is a rugged, lightweight solution contained in a portable, briefcase-style form factor ideal for use by military, emergency response, and other field-based industries.
- **Cisco Jabber Video for TelePresence** is a soft client, available in both on-premise and cloud options. The solution works with a PC or Mac to provide high-definition video from anywhere you need to work.
- **Cisco WebEx® for Healthcare** offers powerful and flexible web-based communications tools to facilitate collaboration for a workforce separated by geography, time zones, and facilities.
- **Cisco Expert on Demand** enables immediate communication between caregivers, patients, and specialists with on-demand audio and video conferencing.

CLINICAL WORKFLOW SOLUTIONS

- **Nurse Call Integration** integrates with certain nurse call systems by enabling Cisco wireless phones to enhance communications between patients and care providers.

- **Cisco Context-Aware Healthcare** uses real-time resource location information and access to environmental information to help provide an optimal patient experience.
- **Cisco 7900 series phones** take full advantage of converged voice and data networks while retaining the convenience and user-friendliness you expect from a business phone. These advanced endpoints includes options such as video, integrated bar-code scanning, and custom applications.

Cisco Compliance and Medical Device Management Solutions

These solutions provide security, interoperability, device connectivity, and regulatory compliance. These solutions enhance the integration and management of asset data and healthcare information in an open yet secure environment.

- **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 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 Medical Data Exchange Solution** enables disparate systems to interoperate to provide a patient-centric view of medical data.

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- **Cisco IronPort™ Email Security Appliances** protect organizations from incoming threats, including spam and malware, while protecting sensitive data using integrated data loss prevention and encryption technologies.
- **Cisco Context-Aware Healthcare**

Cisco Continuing Health Education and Business Collaboration Solutions

These solutions facilitate professional education, training, certification, and business collaboration across teams and organizations.

- **Cisco TelePresence for Healthcare**
- **Cisco WebEx for Healthcare**
- **Cisco Expert on Demand**
- **Cisco WebEx Social** enables clinicians to securely collaborate and share best practices using video, document sharing, blogging, and searching.

Cisco Services for Connected Health

IT organizations need to deploy a secure, scalable, and reliable network that supports privacy, high availability, and mobility - while meeting cost targets. Cisco Services for Connected Health is a suite of services offerings leveraging the Connected Health Architectures and Medical-Grade Network developed specifically for Healthcare. The services offerings for

Connect Health include:

- Advisory Service
- Security Services
- Architecture Assessment Services
- Optimization Service

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 applications including 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

Why Cisco?

Healthcare organizations around the world face similar challenges. Cisco has a global presence, anchored by teams of professionals who can address the necessary culture and clinical process changes. Cisco's leading technologies improve the cost, access, and quality of healthcare services. Through our vision and innovative network technologies, Cisco is helping to bring about a future in which healthcare stakeholders across the continuum of care can respond to patients more efficiently, expand innovative healthcare initiatives, and continue to transform care and the care experience.

For More Information

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

