



Cisco HealthPresence: Transforming the Delivery of Healthcare

Healthcare

Access to affordable healthcare is a major challenge in many countries, both developed and developing. Increased patient loads, rising costs, and lack of qualified medical professionals are common. These challenges can be especially difficult to solve in remote or rural areas.

Video and collaboration in healthcare, sometimes referred to as telehealth, uses the network as the platform to enable healthcare service delivery anytime, anywhere. Healthcare providers can take care of patients in remote locations through connected medical kiosks, outreach clinics, or mobile health units.

Cisco HealthPresence

The Cisco HealthPresence™ solution goes beyond traditional models of telehealth in delivering care at a distance.

The solution integrates high-definition video, audio, medical devices, and collaboration tools to deliver an enhanced doctor-patient consultation experience across remote distances. It meets the increasing need for easy-to-access, convenient, high-quality patient care, and increased collaboration across the healthcare continuum.

Cisco HealthPresence Version 2.0 brings greater flexibility in video endpoints, the ability to scale the number of endpoints, and enhanced security. It is available as an on-premise or managed service offering and is easy to deploy and manage.

The main components of Cisco HealthPresence are:

- Cisco® video endpoints
- Cisco HealthPresence Appliance
- Cisco HealthPresence Connect Server

Features

- **Expanded choice of interoperable video endpoints** for enhanced flexibility, including the Cisco TelePresence System Codec C40 and Cisco TelePresence System Quick Set C20, Cisco TelePresence System EX60 and EX90, and Cisco TelePresence System Clinical Presence mobile carts

- **Desktop deployment solution** using desktop video conferencing for low-bandwidth conditions
- **Hosted deployment options, with high availability and scalability**, including:
 - » Business-to-business functionality to interconnect healthcare organizations
 - » Multitenancy support on a single hardware server
 - » High availability with failover support
 - » Enhanced security and patient data for HIPAA compliance
- **Enhanced management and reporting capabilities**, including:
 - » Centralized appliance to manage all components, devices, and telemetry transmission
 - » Portal for secure login sessions and user interface for providers and attendants
 - » Administration module to configure, administer, and manage video endpoints
 - » Patient scheduling, appointment queuing, reporting, and other administrative capabilities
- **Multiple medical device integration** like Welch Allyn, Neurosynaptic, and AMD medical devices
- **Electronic medical record (EMR) application protocol interface (API)** with popular EMR systems (IBM, Mirth, HL/7) and to push chat and telemetry information

Use Cases

- Patients gain access to remote specialists and quality care.
- Doctors can optimize time between local and remote consultations.
- Healthcare providers can deliver remote chronic disease management, pre- and post-operative care, and routine follow-up care.
- Healthcare providers can connect with patients at convenient locations: a medical kiosk in a remote village, a retail center, a corporate office, an extended care facility, the patient's homes, or a mobile clinic.
- Patients can be treated outside a hospital environment before doctors recommend a visit to the emergency room.

Figure 1 shows how Cisco HealthPresence is deployed.

Benefits

End-to-End Solution for Care-at-a-Distance

- A complete solution including patient registration, audio and video collaboration, third-party medical device integration, management, and reporting.
- Medical data captured at patient endpoint is transmitted or shared with the health provider.
- Basic integration with ePen for doctors to write prescription immediately.

Increased Access and Simplified Delivery

- Different solution form factors for different locations—a fixed pod in a clinic, a desktop or kiosk in a rural area, or a mobile cart in an urban hospital.
- Easy-to-use interface to train users and to simplify deployment and management.
- Streamlined patient care consultations with distributed care teams.

Scaling Across HealthPresence Networks

- Scale to thousands of endpoints with high reliability and security to set up a regional, countrywide, or global telehealth network.
- Consultations between remote experts on separate networks for efficient, timely, and comprehensive patient care.
- Multitenancy features to support multiple regions or hospitals in the same data center.

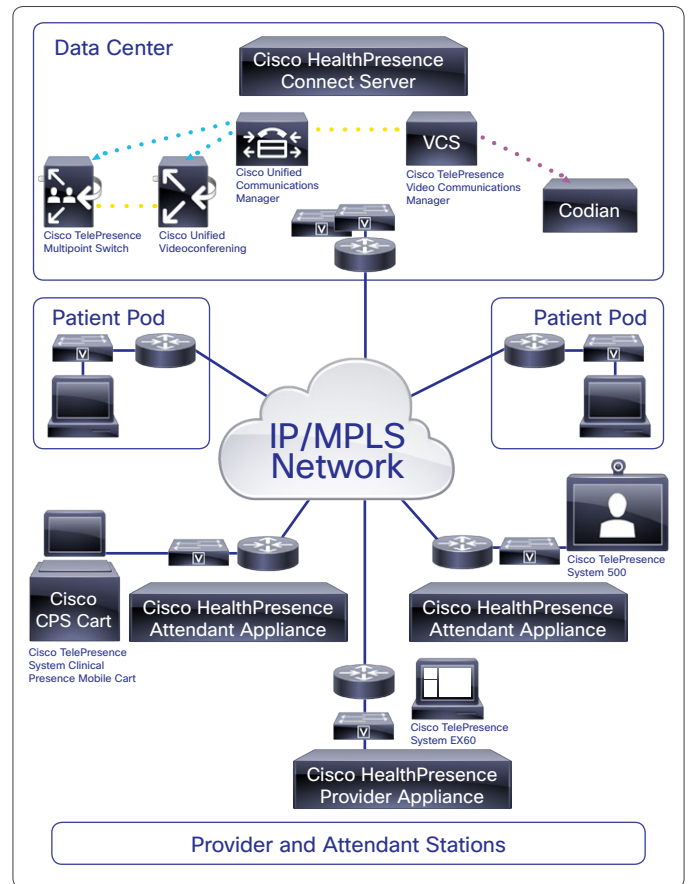
Enhanced Productivity and Clinical Workflow

- Increased productivity of healthcare practitioners and enhanced patient care with instant access to consultations and collaboration.
- Patient appointment queuing capability for expedited consultations, reduced wait times, and patient satisfaction.
- Application integration for data transmission and faster access to patient information in the clinical workflow.

Why Cisco?

Cisco, a worldwide leader in networking, creates advanced technologies that enable next-generation video and collaboration. Through our vision and innovative technologies, Cisco enables healthcare stakeholders across the continuum of care to respond to patients more efficiently, collaborate more effectively with their peers, expand on innovative healthcare initiatives, transform patient care, and improve the care experience for patients and their families. Using a lifecycle services approach, Cisco also provides planning, design,

Figure 1: Cisco HealthPresence Deployment



and deployment implementation, and support for using Cisco HealthPresence in ongoing operations.

Cisco healthcare solutions are designed to reduce costs, improve productivity, and help deliver better care to citizens everywhere, in rural communities as well as in urban centers.

The Cisco HealthPresence solution creates new ways to deliver medical services, and as a result breaks down barriers and opens up new possibilities in healthcare.

For More Information

Cisco HealthPresence solution
cisco.com/go/healthpresence

Cisco Care-at-a-Distance solutions
cisco.com/go/careatadistance