

Cloudflare for Healthcare

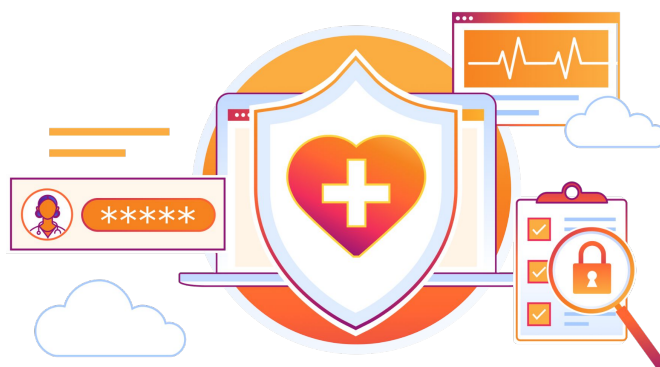
Secure patient data across diverse environments and deliver more resilient virtual care

Better security and speed across your digital environment

Healthcare providers are rich with digital ambition, but face an unenviable list of obstacles in achieving those goals:

- Protecting their networks from persistent **data breaches** and ransomware
- Providing **seamless application access** to a diverse and disparate collection of third-parties, some of whom are working remotely.
- Maintaining resilient **virtual care** experiences in the face of attacks and unpredictable usage patterns.
- Protecting the organization — and managing its increasingly complex IT stack — as it grows via **mergers and acquisitions**.

To some degree, all of these challenges are driven by loss of control in the digital environment — or, put another way, the difficulty of managing an ever-expanding galaxy of apps, clouds, users, devices, network infrastructure, and more.



Cloudflare's **connectivity cloud** can help overcome this digital complexity. It's a unified platform of cloud-native security and connectivity services that protect, connect, and accelerate everything, everywhere. These services help healthcare providers secure patient data, enable seamless tech experiences for clinicians, and deliver top-class virtual care — all with greater agility and control.

Cloudflare's connectivity cloud offers healthcare providers:



Hybrid compatibility

Cloudflare services are cloud-agnostic and can also work with on-premise infrastructure. Manage complex environments from a single control plane — one UI or one API for every security and networking service in the Cloudflare portfolio.



Better threat intelligence

Cloudflare analyzes extremely high volumes and varieties of traffic in order to automatically update the intelligence that powers our web application security, network security, and Zero Trust security services — helping you protect users, applications, and data.



Cost savings

Reduce security and IT spending — and improve agility — by consolidating critical services on our connectivity cloud. A [Forrester Total Economic Impact study](#) found that Cloudflare delivered a 238% ROI over three years, with payback in less than six months.

Prevent attacks from hurting patient-facing application availability

Cloudflare prevent malicious traffic and bots from causing outages or attacking login portals, with our:

- **DDoS mitigation:** Use our 321+ Tbps of network capacity to automatically weather the largest, most persistent attacks
- **Bot management:** Harness threat telemetry from the millions of Internet properties on Cloudflare to easily block the most advanced malicious bots.

Deliver a fast, reliable digital patient experience

Cloudflare keeps virtual care applications resilient with our:

- **Content Delivery Network:** Cache and serve content from our 330+ city global network
- **Load Balancing:** Intelligently distribute traffic across hybrid-cloud environments. (While not strictly necessary, we also offer event-based technical support for added peace of mind.)
- **Smart Routing:** Cloudflare serves ~20% of all web traffic, and uses that intelligence to route dynamic content over the fastest paths
- **Media delivery:** Stream video and send images, with automatic formatting for different browsers and connection types.

What's more, all of these services can run from any location in our network by default. That means strong performance everywhere on Earth, and no service chaining or traffic tromboning adding latency to customer requests.

Keep patient data safe from breaches

Cloudflare keeps patient data safe from web application breaches with our:

- **Web Application Firewall:** Cloudflare blocks hundreds of billions of cyber threats every day. This telemetry helps our machine learning models block more threats, including zero-days, with less manual effort.
- **API Gateway:** Easily discover shadow APIs, monitor API usage, and enforce API usage policies.
- **Page Shield:** Use our threat intelligence to defend against client-side attacks that target vulnerable JavaScript dependencies.

In addition, Cloudflare **SASE services** help you protect and monitor SaaS application access, cloud usage, email, network vulnerabilities and more — without relying on VPNs, which compromise user experiences and allow excessive network access.

"Cloudflare ensures that our patient data is safe and secure. It also helps maintain our network perimeter so we can focus on delivering technology and maintaining patient trust."

Wisut Ua-Anant

Chief Digital MarTech Officer, Bumrungrad International Hospital

