

Four healthcare technology trends for 2026

Prepare your practice for digital-first patients, data-driven workflows and resilient infrastructures.

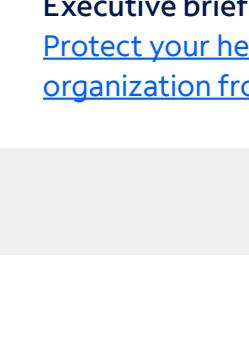
Healthcare is evolving at the speed of innovation. You're under constant pressure to keep pace — meeting rising patient expectations, streamlining workflows, integrating real-time data into decisions, and supporting telehealth and remote patient monitoring (RPM).

Here are four key trends to expect in 2026:

1. Security evolves with new threats

Protecting your network requires comprehensive and coordinated coverage. A unified security framework integrated with your connectivity foundation allows you to:

- Adopt a zero trust network access architecture.
- Implement AI-driven threat detection.
- Use encrypted, hybrid cloud with built-in compliance controls.
- Ensure Internet of Medical Things (IoMT) and medical device security integration.



of healthcare organizations experienced a cyberattack in 2025.¹

\$7.42M

The average cost of a data breach in the healthcare industry.²



The Spectrum Business® advantage

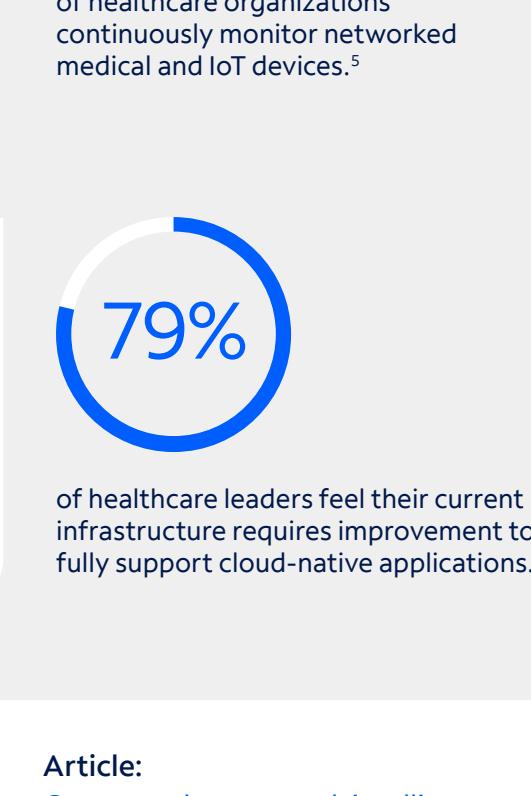
Protect your network, critical data and patients from evolving security risks.

Executive brief:
[Protect your healthcare organization from cyberthreats](#)

2. Automation unlocks new efficiencies

AI and machine learning help healthcare practices operate more efficiently and intelligently. By automating administrative tasks, preventing overstaffing and minimizing waste, these tools lower costs and boost performance. AI-driven solutions enable practices to:

- Reduce manual back-office effort.
- Strengthen accuracy in decision-making.
- Free teams to focus on higher-value activities.
- Improve care coordination and patient engagement.



The Spectrum Business advantage

Overcome infrastructure limitations and strategic barriers to AI implementation.

White paper:
[Why a majority of healthcare organizations are not ready for artificial intelligence](#)

98% of healthcare organizations have integrated AI into workflows.³

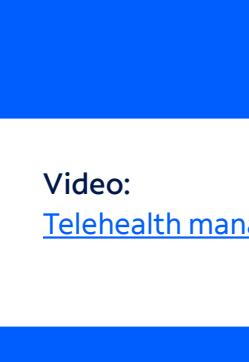
72%

of healthcare and life sciences executives report improved productivity from generative AI.⁴

3. Infrastructure accelerates innovation

To standardize your electronic health records (EHR) platform, support IoMT and integrate patient devices, you need an infrastructure built to handle modern demands — from cloud and edge computing to secure connectivity. The right foundation can:

- Manage seamless device and data-flow integration.
- Enable secure, scalable cloud and edge computing.
- Support AI-driven automation and analytics.
- Ensure cybersecurity, resilience and regulatory readiness.



of healthcare organizations continuously monitor networked medical and IoT devices.⁵

44% of U.S. consumers had a virtual health visit in 2024.⁷

79% of healthcare leaders feel their current IT infrastructure requires improvement to fully support cloud-native applications.⁶

25%-30% of all U.S. medical visits that could be delivered virtually by the end of 2026.⁸

The Spectrum Business advantage

Reimagine your infrastructure as the nervous system of your practice.

Article:
[Connected, protected, intelligent: Reengineering healthcare infrastructure for a new era](#)

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Video:
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