

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.

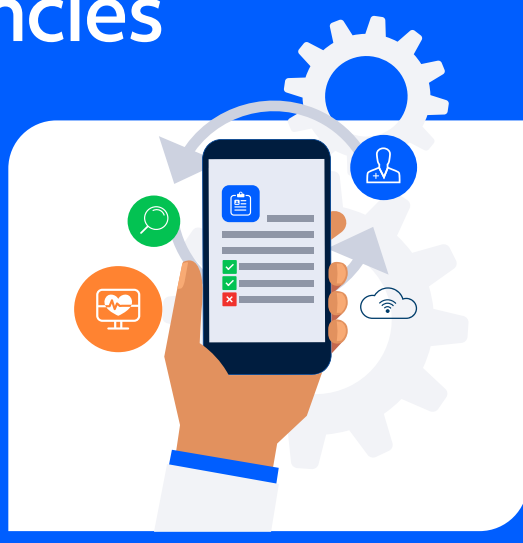
Executive brief:

[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.



98%

of healthcare organizations have integrated AI into workflows.³

72%

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

The Spectrum Business advantage

Overcome infrastructure limitations and strategic barriers to AI implementation.

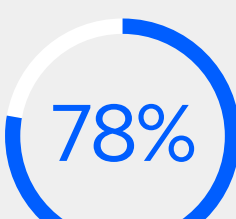
White paper:

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

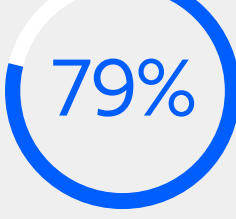
3. Infrastructure accelerates innovation

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:

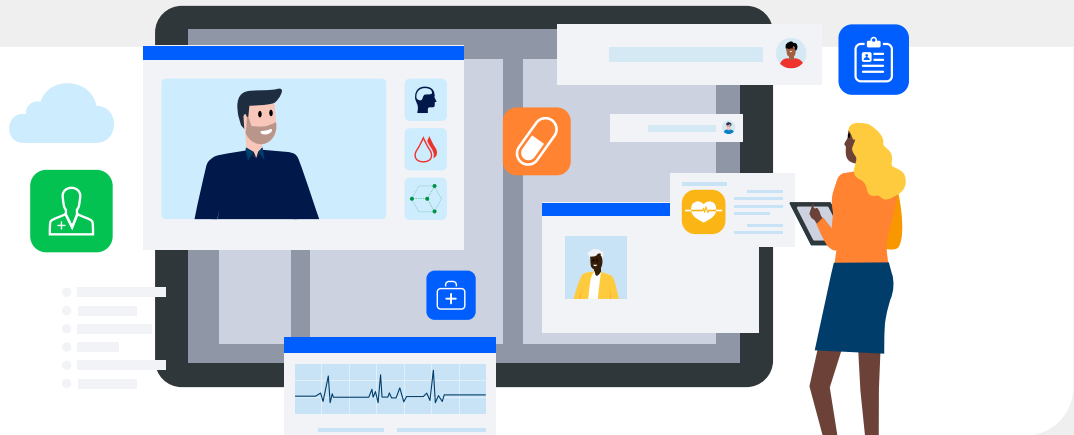
- Manage seamless device and data-flow integration.
- Enable secure, scalable cloud and edge computing.
- Support AI-driven automation and analytics.
- Ensure cybersecurity, resilience and regulatory readiness.



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



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



The Spectrum Business advantage

Reimagine your infrastructure as the nervous system of your practice.

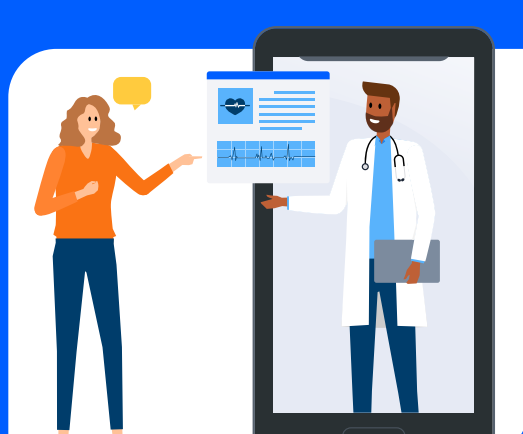
Article:

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

4. Success hinges on the patient experience

Patients want more control and expect virtual care options. Focus on scalable RPM platforms, clinician workflow alignment and the analytics needed to convert data into insights. In 2026, technology can help you:

- Monitor patient health data in real time.
- Undertake proactive interventions.
- Improve chronic care management.
- Offer more personalized patient engagement.



44%

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

25%-30%

The predicted percentage of all U.S. medical visits that could be delivered virtually by the end of 2026.⁸

The Spectrum Business advantage

Improve patient experiences and outcomes with solutions designed for telehealth.

Video:

[Telehealth managed services](#)

Prepare your practice for tomorrow with Spectrum Business

Working with one trusted partner, you can build a practice that's ready for the future. Spectrum Business can help you move faster, work smarter, strengthen security and enhance the clinician and patient experience. Our portfolio combines the managed services and technologies you need to thrive, all backed by 100% US-based support, available 24/7.

[Learn more](#)

1. "The 2025 Study on Cyber Insecurity in Healthcare: The Cost and Impact on Patient Safety and Care," Proofpoint, 2025.
2. "Cost of a Data Breach Report 2025: The AI Oversight Gap," Ponemon Institute and IBM Security, July 2025.
3. "The Digital Health Most Wired National Trends Report 2025," DHA Analytics, CHIME and KLAS Research, November 12, 2025.
4. "The ROI of AI in Healthcare and Life Sciences: How AI Agents Are Helping Improve Patient Outcomes," Google Cloud, 2025.
5. "The Digital Health Most Wired National Trends Report 2025."
6. "7th Annual Nutanix Enterprise Cloud Index Report: Healthcare Industry Findings," Nutanix, June 2025.
7. Anwesha Dutta, Heather Nelson, Urvi Shah et al., "The Growing Disconnect Between Virtual Health Availability and Consumer Demand," Deloitte Center for Health Solutions, October 16, 2024.
8. Gala Batsishcha, MD, "The Future of Telemedicine: Regulatory Support and Technological Advances to Drive 25–30% of U.S. Medical Visits by 2026," ScienceSoft Healthcare, February 6, 2025.

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