Rural Healthcare Transformation:
Modernizing Care Access Across Rural Communities



Rural healthcare providers are being asked to expand care access, modernize infrastructure, and deliver high-quality outcomes often with limited staff, distributed locations, and aging systems. The Rural Healthcare Transformation Program (RHTP) is helping to fund and accelerate these transformations across every state, offering over $50B in federal funding.

Rural Healthcare Modernization Now Depends on Infrastructure-First Network Strategy

Keep Every Point of Care Connected
Reliable wired, wireless, and branch connectivity across distributed clinics and rural communities.

Deploy New Care Sites Without IT Burden
Zero-touch provisioning and automated policy enforcement let organizations add new clinics in minutes.

Simplify Healthcare IT Operations
AI-powered automation and centralized visibility reduce manual work in one dashboard.

Maintain Compliance Across All Sites
HIPAA, CMS, and HRSA compliance maintained consistently with an audit-ready infrastructure and identity-based segmentation isolates risk.

Build Trust into the Network
Hypersegmentation restricts lateral movement, identity-based access controls, and proactive threat isolation.

Scale Infrastructure Without Adding Staff
Centralized management, AI automation, and zero-touch deployment let teams support more sites, devices, and services.

Forces Driving Modernization

Federal Funding Activation

$50B investment from 2026-2030 across all 50 states equating to about $10B per year funding technology modernization

Shift to Digital and Distributed Care

Rapid expansion of digital health services, growth of IoT medical devices, and increasing network density and performance requirements

Operational Scale with Lean Teams

Expansion without adding IT headcount, creating demand for centralized visibility, automation, and demand for repeatable deployment across sites.

Compliance-Driven Infrastructure Decisions

Network design must support regulatory requirements, audit readiness is now a core requirement, and security and segmentation are foundational needs.

Rural Healthcare Leaders Trust Extreme Networks

Jackson Hospital · T.J. Regional Health · Samaritan Medical Center · Memorial Health System of Southwest Oklahoma

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How Rural Healthcare Organizations Operate Today

Every system, device, and care model depends on a network that can support density, maintain uptime, and scale without complexity.



From Legacy Infrastructure to Care Backbone

Complexity and Risk Continue to Grow

- Distributed care across multiple clinics and rural sites
- Connected living and care technologies expanding
- IT and IoT enabled operational systems at scale
- Compliance and security across distributed locations
- Real-time visibility and staff collaboration tools

When the Complex Becomes Simple

- Scalable network architecture
- Reduced downtime and faster IT response times
- Integrated care and operational workflows
- Automated provisioning and policy enforcement
- Cloud-based management across all sites

Smarter Rural Care Starts with the Network

- Support more sites without adding headcount
- Deploy new clinics in minutes, not days Simplify compliance across all locations
- Lean teams focus on care delivery, not firefighting
- Modern infrastructure supports growth confidently

One intelligent network foundation connects rural care sites, clinicians, systems, and residents to support confident modernization today and smarter care delivery tomorrow.

Extreme networks

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