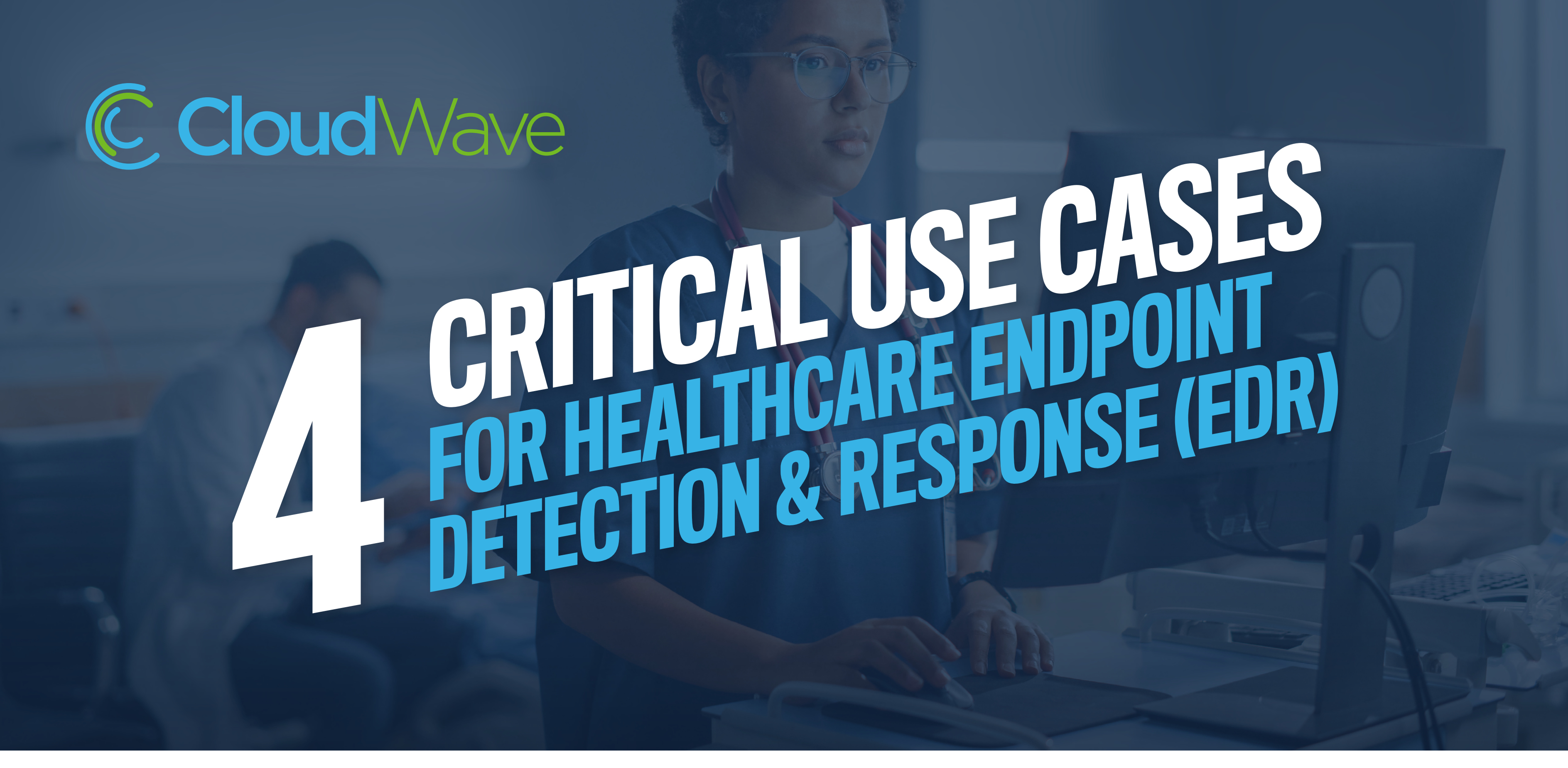
CloudWave



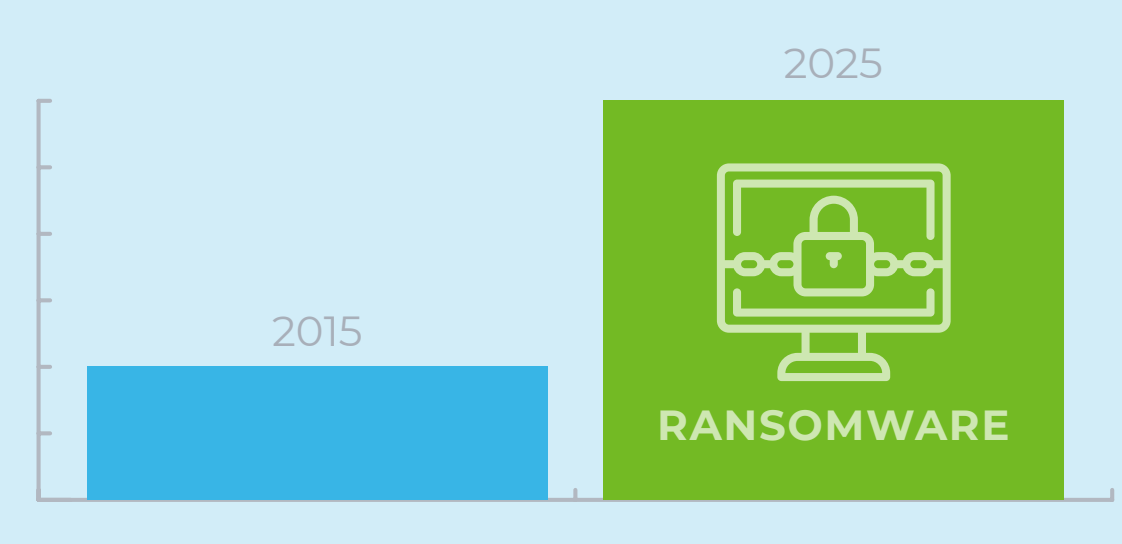
4 CRITICAL USE CASES FOR HEALTHCARE ENDPOINT DETECTION & RESPONSE (EDR)

Threat actors are increasingly exploiting the critical nature of patient care and the complexity of hospital IT environments. **Ransomware, phishing, and advanced persistent threats continue to rise**, as healthcare organizations face the dual challenge of protecting sensitive data while ensuring uninterrupted clinical operations.

Every device, from EHR-connected workstations to mobile tablets used in patient rooms, can be a potential entry point for attackers. As this attack surface expands, traditional perimeter-based defenses are no longer enough.

Endpoint Detection and Response (EDR) has become a crucial component of modern healthcare cybersecurity strategies.

1 STOPPING RANSOMWARE BEFORE IT DISRUPTS PATIENT CARE



+300%

There has been a 300% increase in healthcare **ransomware attacks** in the past 10 years.[1]

The disruption to healthcare operations caused by a ransomware attack can **severely impact the ability to effectively treat patients**—not only at affected hospitals, but also at those in nearby areas.[2]

CHALLENGE

- Ransomware is the **top cyber threat** in healthcare.
- Downtime can delay surgeries, disrupt emergency care, and even **put lives at risk**.
- Traditional antivirus and firewalls **can't keep up** with ransomware's speed or sophistication.

SOLUTION

CloudWave's Managed EDR uses **AI-driven threat detection to identify suspicious activity in real time**, automatically isolate infected devices, and stop lateral spread before systems are encrypted. Our SOC team provides 24x7 monitoring and response expertise to contain incidents immediately.

24x7 MONITORING & RESPONSE

2 PROTECTING CLINICAL DEVICES AND EHR ACCESS POINTS

A typical U.S. hospital has between **10 and 15 medical devices per bed**.[3]

96%

96% of hospitals reported running end-of-life operating systems or software **with known vulnerabilities**.[4]

CHALLENGE

- **Hospitals manage thousands of devices**, from workstations and tablets to imaging machines and medication carts.
- Many of these run **outdated operating systems** or cannot be patched easily, leaving dangerous blind spots.
- Each **unprotected endpoint** creates a **pathway into PHI** and the hospital network.

SOLUTION

CloudWave's Managed EDR **extends protection across ALL ENDPOINTS, even unmanaged or legacy systems**. By delivering real-time monitoring and threat detection across the clinical environment, hospitals gain visibility into every access point that touches patient data.

3 SIMPLIFYING HIPAA & CYBERSECURITY COMPLIANCE

73%

73% of healthcare organizations report **difficulty maintaining comprehensive, audit-ready documentation** of their cybersecurity programs.[5]

STRETCHED THIN

A survey of compliance, risk, and legal leaders at U.S.-based healthcare organizations revealed that a majority of the respondents felt stretched thin **due to the current complex regulatory landscape and expanding areas of risk**, including increasingly sophisticated cyberattacks.[6]

CHALLENGE

- Healthcare organizations must demonstrate to **auditors and regulators** that they have strong endpoint security, continuous monitoring, and documented response capabilities.
- Meeting HIPAA, HITECH, and new HHS Cybersecurity Performance Goals can **overwhelm healthcare IT teams** already stretched thin.

SOLUTION

CloudWave's Managed EDR provides **continuous monitoring, detailed logging, and automated reporting** aligned to compliance standards. Incident response actions are tracked and documented, **creating an auditable trail** that simplifies regulatory reporting.

4 EXTENDING LIMITED SECURITY TEAMS WITH 24X7 COVERAGE

LIMITED BUDGETS

A significant challenge is the limited budgets and resources **for cybersecurity across the healthcare sector**.[7]

MORE **VULNERABLE**

Cybersecurity has often been underfunded, leaving healthcare organizations more vulnerable to attack.[8]

CHALLENGE

- Most hospital IT teams **don't have the staff or budget** for around-the-clock cyber monitoring.
- Attacks often happen at night or on weekends, when internal teams may not be watching. Without constant visibility, **threats can escalate before anyone notices**.

SOLUTION

CloudWave combines SentinelOne's autonomous detection and response with a healthcare-focused SOC to deliver 24x7 expert coverage. Our analysts **monitor, investigate, and remediate threats** on behalf of hospital teams, acting as an extension of internal staff.

SentinelOne

MANAGED EDR: BUILDING A STRONGER CYBER DEFENSE FOR HEALTHCARE

CloudWave's Managed EDR service was built specifically for the realities of healthcare. It combines continuous endpoint monitoring, AI-driven detection, and rapid response capabilities to stop threats before they disrupt operations.

CloudWave helps hospitals stay ahead of attackers, meet compliance requirements, and safeguard the integrity of patient care.

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SOURCES

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