## An Ounce of Prevention Needed

Healthcare Organizations Know They're at Risk — but Struggle to Get Ahead of It

Healthcare remains a top target for ransomware, but many organizations lack the preventative measures needed to defend against modern threats. Based on Veeam's 2025 ransomware survey, healthcare leaders recognized the risks but couldn't act fast enough.



only 13% of healthcare orgs felt "completely prepared" before an attack (less than half the rate of other sectors – 27%)



admitted they were "not prepared" at all (double the rate of other industries – 5%)

## Inadequate Ransomware Prep Leaves Few Good Remedies

Attacks Hit Hard — and Recovery Often Fails Without Strong Backups

Weak preparedness led to devastating outcomes for healthcare organizations, from encrypted data to compromised backups. Many paid ransoms but still couldn't recover, putting care continuity and patient safety at risk.

Ransomware Fallout: Data Encrypted, Backups Compromised, and Recovery Still Elusive

25%

of production data was encrypted during attacks

27%

of backups were modified or deleted

Paying ransoms doesn't guarantee

recovery — and it fuels future attacks.

21%

saw backup repositories targeted

47%

were 47% more likely than others to pay a ransom and still not recover their data

Healthcare organizations

57% had

had backups impacted

## A Clear Prescription for Reducing Impacts

Stronger Detection, Recovery, and Planning Can Turn the Tide Healthcare leaders know what they would do differently next time. From better

detection to more rigorous backup testing, these missed opportunities highlight a clear path forward.



# Key Elements of a Ransomware Response Playbook Incident Response Roles & Responsibilities Communication Plan Data Backup Strategy Legal/PR Protocols External Vendor Contacts Recovery Timeline Having these elements in place before an incident enhances resilience and speeds recovery.

What Veeam Customers Say

because it protects the data supporting patient care.

Chuck Marshburn

CIO & HIPAA Security Officer, South Georgia Medical Center

"Veeam is an unsung hero in our organization

SCNIC

Take care of your

HEALTH



# organization's cyber health Get the latest prescription for

ransomware resilience in our new report.

From Risk to Resilience

2025 Ransomware Trends and Proactive Strategies

