

CUSTOMER SUCCESS STORY

Patient records that survive the attack.

A hospital group watched a peer run on paper for eleven days after ransomware. **UPC Cyber vault** was its answer to the only question that mattered afterwards: could we restore, and would what we restored be clean?

11
days

Ransomware in healthcare is a clinical event, not an IT one. Diverted ambulances, cancelled procedures, and a return to paper records carry consequences measured in patient outcomes — which is why recovery certainty is a safety control rather than an infrastructure preference.

THE SITUATION

A peer's incident became the business case

The group reviewed its own position against what had happened elsewhere and did not like the answers:

- **Backups sat on the clinical network.** They were reachable from the systems most likely to be compromised first.
- **No way to prove a copy was clean.** With dwell time often measured in weeks, the most recent snapshot might carry the payload.
- **Restoration order was undocumented.** Which clinical systems come back first, and in what dependency order, had never been established.
- **Imaging archives were enormous and untested.** Nobody knew how long a full restore would actually take.

THE DECISION

Separate the last copy, then prove it restores

The group deployed Cyber vault for clinical systems and imaging, with immutable retention, air-gapped isolation, and AI validation testing every copy for restorability and malicious code.

“Our board did not ask whether we had backups. They asked whether we would be on paper for a fortnight. That is a different question, and it needed a different answer.”

— CHIEF INFORMATION OFFICER

DEPLOYMENT SNAPSHOT

SECTOR

Multi-site hospital group

PROTECTED

EHR · Imaging archives ·
Clinical systems

STORAGE

Immutable WORM object
storage

ISOLATION

Segmented recovery domain,
air-gapped

VALIDATION

AI restorability testing and
malware scanning

RECOVERY

Multi-VM instant recovery,
orchestrated

ALIGNMENT

HIPAA obligations

TESTING

Scheduled clean-restore
exercises

WHAT WAS DEPLOYED

Immutability

Clinical records and imaging held as **tamper-proof WORM copies** that cannot be deleted, encrypted, or modified within their retention window.

Isolation

A **logically segmented recovery domain** with automated orchestration, preventing lateral propagation from the clinical network into the vault.

Validation

AI threat scanning and restorability testing on every copy, so a candidate recovery point is known to be clean before it is promoted.

Recovery

Multi-VM instant recovery with policy-driven orchestration, restoring clinical service groups in dependency order rather than system by system.

WHAT CHANGED

BEFORE UPC CYBER VAULT

- Backups reachable from the **clinical network**
- No means of establishing whether a copy was clean
- Restoration order undocumented across clinical systems
- Imaging restore time unknown and untested
- Recovery confidence resting on assumption

WITH UPC CYBER VAULT

- Immutable copies in a **separate recovery domain**
- Every copy **scanned and validated** before it is needed
- Orchestrated multi-VM recovery in dependency order
- Measured restore times for imaging and EHR
- A documented answer for the board

WHERE THE CHANGE CAME FROM

Clean beat fast

Validating copies for malicious code changed the recovery question from how quickly can we restore to which point can we safely restore — the question that actually determines downtime.

Orchestration captured the order

Multi-VM recovery encoded the dependency sequence that had previously existed only in the heads of a few engineers.

Testing produced a number

Scheduled clean-restore exercises replaced an assumption with a measured recovery time the board could plan against.

WHY THIS MATTERS IN HEALTHCARE

Capabilities doing the work in this deployment:

Immutable clinical backups

Air-gapped recovery domain

AI malware validation

Multi-VM instant recovery

Orchestrated restore order

HIPAA alignment

Measured restore times

Imaging archive protection

BOTTOM LINE

UPC Cyber vault gave a hospital group a clean copy of patient data that survives the attack — and proof that it restores.

Ready to test **your last clean copy?**

Book a Cyber vault architecture review, or run a ransomware recovery simulation.

UPC Cyber vault

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