Turning a $386.8M Blind Spot Into 27% Risk Reduction

How a $1.46B health system uncovered $386.8M in hidden risk behind a security budget 75% below benchmark — and cut exposure 27% in six months.

$ 386.8M
Total digital risk exposure uncovered through actuarial mapping

75%
Below industry-benchmark spend despite a 74% remediation rate

27%
Cut in risk exposure in six months (~$27M)

ORGANIZATION
A $1.46B non-profit health system

ENVIRONMENT
4-Person Security Team

PATIENTS RECORDS
11M

The Bottom Line

Efficiency wasn't the problem — funding was.
The organization moved from flying blind on nine-figure risk exposure to a board-approved, dollar-ranked investment plan — **proof that even a resource-strapped security team can protect what matters once leadership can see the real number.**

SITUATION

A $ $1.46B non-profit health system was spending just 0.10% of revenue on cybersecurity — far below the 0.40–0.64% industry benchmark.

- **Severely underfunded:** a $1.48M security budget sat 75% below the industry benchmark for a system this size.
- **Critically understaffed:** just 4 security professionals covered an org where peers average 5x the headcount.
- **Aging infrastructure:** a third of the technology environment still ran on outdated, high-risk hardware.
- **Massive exposure at stake:** 11 million patient records carried an estimated $2 billion in attacker value.

SOLUTION

ArxNimbus built a baseline risk profile from 47,000 threat-vulnerability pairings, then modeled seven digital-twin scenarios — from budget to hardware — showing exactly which investments cut the most risk per dollar.

IMPACT

- **27% less risk in six months:** digital risk exposure fell by $27 million against the original baseline.
- **Budget tripled:** the board moved spend toward industry-benchmark levels almost immediately.
- **Staff doubled:** security headcount grew in year one, with more hires planned through year three.
- **Insurance doubled:** coverage doubled immediately, with a plan to reach 4x within three years.

ArxNimbus
Secure the business.

**Cyber and AI exposure are already on the balance sheet.
The question is whether leadership can see the number.**

Controls matter. But strategy changes when exposure is translated into dollars your CFO, board, cyber insurers, and governance teams can act on.

ArxNimbus helps organizations move beyond static scorecards and subjective color-coded scores to a prioritized action plan — quantifying cyber and AI exposure as defensible financial intelligence.

See what your own exposure number would be with a complimentary exposure-quantification session.

It's not magic. It's math. **#ProtectYourEBITDA**