# DELL EMC

**Those that invest in a security strategy[1] are reported to:**

Detect threats an average of

## 43

days earlier

Drive down the likelihood of a data breach over the next 2 years by

## 28%

# Security Transformation in Healthcare

It's an exciting time to be in healthcare and life sciences. We are living in the 'digital era'. At the same time, there is growing recognition in the healthcare ecosystem that the very digital infrastructure and connectedness that enable more effective and efficient care also expand risk. In recognition of these growing threats, Dell EMC is transforming the way we secure patient and organizational data, whether in transit or at rest by enabling a holistic, multi-layered approach to healthcare security tailored to the specific needs of healthcare providers and life science organizations.

**Healthcare Cybersecurity Challenges**

Security is a top concern for most healthcare and life sciences executives, and the following challenges and industry trends underscore why:

- **Data breaches in healthcare are on the rise:** Breaches in healthcare are expensive, costing organizations an average of $380 per record (more than 2.5 times the global average across industries), and $6.2 billion as an industry in the United States alone.[2,3] Healthcare is ripe with rich financial, personal, and medical information, making it the most sought-after type of data by hackers. But above all, patient safety is top concern as a new breed of connected medical devices and sensors open up a new attack surface for potential hackers.

- **Expansive ecosystem:** The healthcare ecosystem is rapidly expanding, including stakeholders who contribute to patient care engagement and delivery such as public and private payers, public and private research institutions, pharmacies, laboratories, and contractors, device manufacturers, and health IT providers, along with a growing pool of shared data from apps, connected devices including IoT (wearables, sensors, etc), and EMRs. All together, these equate to more attack vectors and greater risks.

- **Limited resources amidst a complex regulatory landscape:** Budget restrictions and a lack of security personnel remain a challenge for many healthcare organizations especially as they face tightening regulations and hefty penalties for breaches.

Together with Dell EMC, you can better protect data especially ePHI wherever it goes, control access while improving workflow and productivity, limit attack vectors with a least-privileged model, maintain business continuity, take a proactive approach to governance, risk and compliance management, and leverage intelligence-driven approaches to track malicious or erroneous activity.

## 49%
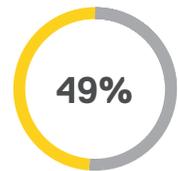
of healthcare organizations surveyed **do not have an incident response plan of any kind**.[4]

Experts predict there will be a

## 4-fold

increase in the number of ransomware attacks targeting healthcare by 2020.[5]

## $7.35M

is the **average cost of a data breach in healthcare in the U.S.,** with an average of $380 per record[2]

1. Ponemon Institute Research Report, "2017 Cost of Data Breach Study: Impact of Business Continuity Management." June 2017.
2. Ponemon Institute Research Report, "2017 Cost of Data Breach Study: Global Overview", June 2017.
3. Becker's Health IT & CIO Report. "Healthcare breaches cost $6.2B annually." January 19, 2017.
4. Ponemon Institute Research Report, "Impact of Cyber Insecurity on Healthcare Organizations". March 2018.
5. HIPAA Journal. "HIPAA Breach News:. https://www.hipaajournal.com/category/hipaa-breach-news/

# Protect Healthcare Data Everywhere

Dell EMC is working to advance a holistic, intelligent, and mission-driven approach to cybersecurity in healthcare by unifying and leveraging industry-leading security technologies and services from our strategically-aligned businesses and healthcare partner ecosystem. Together, Dell EMC and its partners help healthcare organizations of all sizes protect and secure their healthcare data, achieve compliance, control access to their technology infrastructure, and mitigate risk of breaches and ransomware.

This unified approach to security and data protection from point of care to the data center to the cloud helps to protect data everywhere, in transit and at rest. The right tools, processes, and solutions help mitigate risk without getting in the way of patient care.

These include:

## Dell EMC Endpoint Security and Management Portfolio

**Dell® Endpoint Security Suite:** advanced threat prevention, enterprise encryption, and authentication

**Dell® Data Guardian for Data Center and Cloud:** data protection, data access control, and data usage monitoring

**RSA NetWitness® for Endpoints:** rapid detection and response to any threat, anywhere

**RSA SecurID® Suite®:** a comprehensive set of capabilities including access management, authentication, risk analytics, identity governance and life-cycle management

**VMware Workspace™ Suite by AirWatch®:** simple and secure delivery and management for any app on any device

**VMware Pulse IoT Center:** a secure, enterprise grade, IoT device management and monitoring solution

**Absolute®:** endpoint security, visibility and control

## Network and Application Security

**VMware NSX® for vSphere®:** application-centric security applied at a granular level to prevent the lateral spread of threats

**VMware AppDefense™:** data center endpoint security in virtualized environments

**RSA NetWitness® Suite:** rapid detection and response to any threat, anywhere

## Data Protection

**Isolated Recovery Solution Ransomware Recovery:** complete malware protection, data loss prevention, and ransomware recovery

**Data Domain:** backup, archive and disaster recovery with protection storage

**Integrated Data Protection Appliance:** a preconfigured turnkey solution combining protection storage and software, search and analytics

## Managed Services

**Dell Secureworks:** security operations and managed services

## Governance, Risk and Compliance

**RSA Archer®:** risk management in multiple domains

## Making Security Transformation a Reality

Dell EMC helps healthcare organizations advance in the digital era, transforming the way they work so that they can transform the lives of the people they serve. We uniquely power this digital transformation by delivering best-in-class technology for applications, data, infrastructure, and security—from the point of care to the data center to the cloud.

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## FOLLOW THIS FOUR-STEP APPROACH TO PROTECT AND SECURE YOUR DATA

**1** Proactively embed security within your existing infrastructure

**2** Streamline operations with tools that increase visibility across your environment in order to prioritize and view events in real-time

**3** Take a risk-based approach by identifying and putting the strongest controls over your most critical assets

**4** Move from a point solution to a platform-based approach

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### Why Dell EMC for Security Transformation?

**240B**
security events processed daily*

**4400**
organizations protected in 61 countries*

**300+**
expert security analysts, researchers and responders*

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**Learn more** about Dell EMC solutions for healthcare

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