



# TD SYNnex AWS Well-Architected Framework Review for Healthcare

## Empowering Healthcare Innovation: Elevate Patient Care with AWS Well-Architected Review

In the dynamic and critical field of Healthcare, the importance of a robust, secure, and efficient digital cloud infrastructure cannot be overstated. That's where TD SYNnex Public Sector steps in, offering a complementary AWS Well-Architected Review to Healthcare organizations aiming to excel in their digital transformation journey.

By harnessing the power of this AWS Well-Architected Review, Healthcare organizations can ensure that their cloud solutions not only meet the industry's stringent standards but also unlock new potentials in patient care, data management, and operational agility. Embrace the AWS Well-Architected Review to safeguard your data, streamline your operations, and innovate with confidence, all while maintaining the utmost respect for patient privacy and regulatory compliance. It's more than an audit; it's a roadmap to technological empowerment in healthcare.

### Key Benefits of an AWS Well-Architected Framework Review for Healthcare?

#### 1. Operational Excellence in Healthcare

**Compliance and Standards:** Ensure processes are in place for managing compliance with healthcare standards and regulations. This includes automating compliance checks where possible.

**Data Integrity and Availability:** Focus on the ability to accurately and quickly access patient data when needed, ensuring systems are reliable and can recover from failures without data loss.

#### 2. Security for Healthcare Data

**Data Protection:** Implement encryption in transit and at rest for patient data, using AWS services like AWS Key Management Service (KMS) for managing encryption keys.

**Access Control:** Utilize fine-grained access controls with AWS Identity and Access Management (IAM) to ensure that only authorized personnel can access sensitive data.

READY TO GET STARTED?

To participate in our Complementary AWS Well-Architected Framework Review Program for Education, send an email to [AWSSolutions@tdsynnex.com](mailto:AWSSolutions@tdsynnex.com) or contact us at:



**Audit Trails:** Use AWS CloudTrail and Amazon CloudWatch for logging and monitoring access to health data, ensuring the ability to audit access and modifications as required by healthcare regulations.

### Six Pillars of the AWS Well-Architected Framework:

- Operational Excellence
- Security
- Reliability
- Performance Efficiency
- Cost Optimization
- Sustainability

### 3. Reliability in Healthcare Systems

**High Availability:** Design systems to be highly available across multiple Availability Zones to ensure patient data and critical healthcare applications are always accessible.

**Disaster Recovery (DR):** Implement a DR plan that meets healthcare organization’s RTO (Recovery Time Objective) and RPO (Recovery Point Objective) for patient data and systems, using AWS technologies like Amazon RDS (for databases) and Amazon S3 (for storage).

### 4. Performance Efficiency in Healthcare Applications

**Scalability:** Ensure healthcare applications can scale resources up or down based on demand, using services like Amazon EC2 Auto Scaling and AWS Lambda for compute resources.

**Data Analytics:** Leverage AWS analytics services like Amazon Redshift and Amazon Athena for efficient analysis of large volumes of health data, improving patient outcomes and operational decisions.

### 5. Cost Optimization for Healthcare Organizations

**Resource Optimization:** Use AWS Cost Management tools to identify and reduce unnecessary expenses without compromising patient data security or application performance.

**Reserved Instances and Savings Plans:** Take advantage of AWS pricing models for services that have predictable usage to reduce costs.

# Transform Healthcare with TD SYNnex: Secure, Optimize, Innovate.

## Next Steps?

For Healthcare organizations looking to harness the full potential of cloud computing while ensuring their infrastructure is secure, efficient, and optimized for their unique needs, TD SYNnex offers a complementary AWS Well-Architected Framework review. This invaluable opportunity allows Healthcare institutions to collaborate directly with TD SYNnex’s team of experts, who will conduct a thorough assessment of your current AWS cloud setup. Through this review, we’ll identify areas of improvement across security, operational excellence, reliability, performance efficiency, and cost optimization, ensuring your cloud environment supports your Healthcare goals effectively. Embrace this chance to elevate your institution’s cloud strategy, enhance your digital learning platforms, and secure your data while meeting your compliance requirements. Take the next step towards a more resilient, efficient, and innovative future by reaching out to TD SYNnex today to schedule your complementary AWS Well-Architected Framework review.

**READY TO GET STARTED?**

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