



CUSTOMER SUCCESS STORY

CLEVELAND CLINIC

Healthy Brain Initiative relies on ClearDATA and AWS for PHI Security and Compliance

Overview

Cleveland Clinic is a nonprofit multispecialty academic medical center that integrates clinical and hospital care with research and education. Founded in 1921, the clinic handles 5.1 million patient visits per year, and employs 3,000+ physicians and scientists. It is consistently ranked as one of the leading healthcare providers in the nation. In fact, U.S. News & World Report ranks Cleveland Clinic as one of America's Top Five Hospitals.

Lou Ruvo Center for Brain Health: Healthy Brain Initiative

Nearly two decades ago, Larry Ruvo, the vice president and general manager of Southern Wine and Spirits of Nevada and well known philanthropist, set out to create a medical facility to honor his father, Lou, who suffered from Alzheimer's Disease. Part of the Cleveland Clinic, the Lou Ruvo Center for Brain Health opened in Las Vegas, Nevada as a national resource for the most current research and scientific treatment of Alzheimer's Disease, Parkinson's Disease, Huntington's Disease, and Multiple Sclerosis.

"We are at the crossroads of transitioning from volume-based to value-based healthcare." says William Morris, Hospitalist and Associate Chief Information Officer at the Cleveland Clinic. "The Healthy Brain Initiative is just one way we're adding value by helping people learn more about what it takes to avoid or minimize the risks of developing debilitating brain diseases."

The Challenge

As part of the Healthy Brain Initiative, Cleveland Clinic wanted to establish its own research by gathering information directly from the patients themselves by developing the "Healthy Brains" app. This mobile app would track physical exercise, nutrition, sleep, social interaction, and other factors that contribute to brain health. This type of app offers great potential to collect multivariate data efficiently. But because it can be accessed from different locations and devices, it also presents significant PHI security and compliance challenges. These are the types of challenges ClearDATA excels at solving.

Scott Whyte, Advisory Board Member at ClearDATA, added: "Cleveland Clinic built the "Healthy Brains" application using Amazon Web Services (AWS) and its suite of services. AWS provides a great environment for experimentation. It's not hard to set up coding instances without huge capital expenditures to get things started quickly, find out what works, and either abandon or build on it. But before it could be released, they needed to have additional levels of PHI security, Business Associate Agreements (BAA) and legal arrangements that would meet the very stringent requirements of the Cleveland Clinic. In addition to AWS, we also know healthcare, because that's all we do."



Healthcare Compliance & Cloud Expertise [ClearDATA.com](https://www.cleardata.com)



Security & Compliance is Key

One barrier to moving quickly in healthcare is security. One of the best ways to address those barriers is through certifications. HITRUST is considered the gold standard of healthcare data security certification. ClearDATA is HITRUST certified. This appealed greatly to Cleveland Clinic and helped accelerate approval of the project.



The Solution

When the Cleveland Clinic came to ClearDATA with a demanding list of security, privacy and compliance requirements for their application. ClearDATA was able to map those AWS services to those requirements and build a solution that met Cleveland Clinic's needs.

Whyte added: "One of the key AWS services that we use is CloudTrail. It allows us to monitor and have logs for all the activity across the environment. And then analyze those to understand who has had access, when and where. We can then combine those logs for auditing, to be sure all access is the intended access."

The Result

"We are all about driving the best quality at the lowest cost and putting patients first. We want to focus on what we do best, which is taking care of patients. What we should not be doing is recreating the wheel on our own when it comes to technology, security, and privacy. That's where AWS and ClearDATA help."

William Morris

Hospitalist & Associate CIO
Cleveland Clinic

Partner with the Healthcare Cloud Experts

The team of ClearDATA experts can be a force multiplier for your organization to take advantage of emerging technologies in a safe, secure, and compliant manner. Our partnership with large health insurance plans and providers has helped them leverage the latest cloud technologies in a secure and compliant manner. Let's talk about what ClearDATA can do for you.



Learn how ClearDATA can help you navigate digital transformation and the complexities of healthcare compliance

Speak with an Expert

or call us directly at **(833) 99-CLEAR**

ClearDATA.com