

PHILIPS

HealthSuite

digital platform

Philips Clinical Trial Accelerator

Empowering more efficient, flexible clinical trials

Life science organizations face continued pressure to run more efficient, cost effective clinical trials. The ability to empower patients and make it easier for them to stay engaged in clinical trials is critical to achieving success. At the same time, collecting data from multiple sources and driving actionable insights while balancing security and compliance requirements remains a top priority.

Philips Clinical Trial Accelerator (CTA) provides a tailored, healthcare privacy and security compliant cloud solution designed to optimize success in clinical trial execution. CTA helps Clinical Operations teams manage data more effectively while providing the ability to minimize complexity and reduce costs associated with data collection and analysis.

Focus on the patient

Creating a patient-centric solution is all about engaging patients on their terms. The easier it is for patients to share their personal data, the greater the likelihood of them staying in the trial through completion. This is the heart of any successful clinical trial. However, technological barriers and patient non-compliance can limit that success.

Pharmaceutical companies and contract research organizations who must rely on legacy IT infrastructure face

Clinical Trial Accelerator allows you to:

- ✓ Enable **virtual trials** by storing and managing device data in the cloud
- ✓ **Integrate, analyze** and **store** multiple sources of clinical and patient-reported data
- ✓ Rapidly **build** and **scale** services through our secure cloud platform
- ✓ **Expedite** clinical development through actionable intelligence



the burden of purchasing, managing, configuring, updating and maintaining the required hardware and software. They must convince participants to comply with the trial structure through regular hospital visits or in-home testing. They must collect, store, and analyze large quantities of data while adhering to global privacy and security requirements. And they must be able to filter and parse that data to gain actionable insights.

Clinical Trial Accelerator

Philips Clinical Trial Accelerator (a service of Philips HealthSuite digital platform) is designed to offer life science organizations a secure cloud environment supported by industry leading security, interoperability, and global regulatory compliance capabilities. CTA has been designed solely for use by healthcare and life science organizations and provides a security and privacy compliant ecosystem that can be used out-of-the-box in tightly regulated contexts.

Key Features

Remote data capture

Remote clinical trial participation is gaining in acceptance as data capture capabilities continue to evolve. Clinical Trial Accelerator provides comprehensive Internet of Things (IoT) device data management capabilities. It has been designed to manage, update, monitor, and collect data from connected devices and applications. The built-in scalability and flexibility to manage data from a multitude of devices and sensors makes the solution ideal for enabling virtual trials.

CTA safely integrates data from a diverse set of third-party systems and IoT devices with an understanding of each unique protocol. There is no need for patient involvement other than compliance – data is moved immediately to the cloud upon device activation.

Flexible, secure storage

Clinical Trial Accelerator (through the HealthSuite Digital Platform) provides a range of storage options to match data types and the requirements of your unique applications – acquiring, storing and archiving data in different types of cloud-hosted repositories. A fluidity of scale is achieved where you pay only for what you use via real-time 'on-demand' access to a virtually unlimited server infrastructure.

CTA also maintains an extensive set of external compliance certifications and attestations to provide objective evidence of compliance to global security and privacy regulations. (i.e. ISO 27001/27018, HIPAA, ASIP Santé HDS, and HISTRUST). CTA enables security and privacy controls necessary for GDPR compliance, however the proper usage and configuration of the controls is required to be implemented by the businesses or partners using the services.

Data aggregation and management

CTA is capable of not only streaming the management and analysis of patient data, but it can also aggregate data from multiple sources including DICOM images, lab values, and EMR data. This can all be organized and filtered through embedded APIs to speed adoption and analysis.

In addition, every piece of information can be automatically de-identified for use in clinical trials and inclusion in proprietary algorithm(s) for predictive model development.

Algorithm development and analytics

The Clinical Trial Accelerator AI/Machine learning work environment provides developers the tools, APIs, and infrastructure to develop proprietary algorithms and enhance clinical decision-making. This data science platform offers collaboration and de-siloing, end-to-end traceability, rapid deployment and scaling, and continuous improvement.

Clinical Trial Accelerator advantages:

- Greater flexibility in trial design
- Make it easier for patients to stay enrolled in trials through remote data sharing
- Gather data more effectively in support of real-world evidence
- Accelerate timelines while ensuring privacy and security
- Enables scalable Dicom imaging store in support of key therapeutic areas including oncology and CNS
- Ready to use, off the shelf API's help to minimize complexity and reduce cost

Today's clinical trials demand a new approach built on flexibility and rapid time-to-market. Philips Clinical Trials Accelerator can help you accomplish your goals faster and more effectively.

The bottom line

CTA runs on a **secure** cloud platform to house clinical trial data, helping to reduce the risk of privacy and security breaches.

CTA **speeds** adoption through ready-to-use cloud services, tools and resources to help accelerate clinical trial timelines.

CTA **simplifies** trial design and management by reducing the complexity of building and managing your own healthcare compliant, secure infrastructure and platform.

CTA helps to **enable virtual trials** and **reduce** costs by making it easier for patients to stay enrolled in trials while streamlining the collection and analysis of patient data.

About the Philips HealthSuite digital platform (HSDP)

HealthSuite digital platform gives life science organizations the cloud expertise and capabilities to connect devices, collect electronic health data, aggregate and store data securely, analyze data, and create solutions in the cloud.

For more information visit: www.usa.philips.com/healthcare/innovation/about-health-suite

