TRIALSTAT

About Customer

TrialStat provides comprehensive clinical trial data management solutions. Used in more than 500 studies, TrialStat's eClinical Suite is a fully unified suite of products for conducting clinical trials.
www.trialstat.com

Geo

North America & EMEA

Industry

Healthcare & Life Sciences

Solution Area

Accelerate Core Applications
Activate Real-time Analytics

Products in Use

Pure Storage FlashArray™//X
Pure Evergreen™ Storage

TrialStat Delivers Real-time Clinical Trial Data with Pure

Clinical trial researchers collect and analyze huge quantities of data on the safety and efficacy of new pharmaceuticals, vaccines, and medical devices. TrialStat simplifies this data management with a Unified eClinical Suite–electronic data capture (EDC) and analytics.

When support for its legacy storage was discontinued, TrialStat took the opportunity to improve both the performance and reliability of its solutions by switching to Pure Storage® FlashArray™. Storage is now a competitive advantage for TrialStat, supporting clinical trials running 24/7 with real-time data access and reporting, and an 99.99% uptime guarantee.

> "We are proud to say that our solutions run on Pure Storage because it gives us and our customers a strategic advantage by speeding access to real-time clinical trial data."
>
> **CHRIS HAMELIN,**
> PRESIDENT, TRIALSTAT SOLUTIONS INC.

Impact on TrialStat

Supports the company's competitive differentiator–real-time data access

Speeds clinical trial research with 300 times faster access to data

Enables always-on data management services for clinical trials

Challenges

Latency in data capture and access slow clinical trial progress and affect quality of data

Data extracts of all clinical data typically take EDC vendors 24+ hours to produce

Developer innovation was limited by storage capacity

Results

Enables real-time reporting and analysis, speeding clinical trial results

Speeds trial analysis with data sets compiled and downloaded in 10-20 seconds versus 24 hours

11:1 data dedupe frees storage capacity for product development and lowers operational costs

Powering Clinical Trials with Real-Time Data

Clinical trials can run for years, generating millions of records from thousands of participants. Trial efficiency depends on how quickly and easily sites can record patient data, and researchers can review and clean the data before it can be analyzed and compiled for submission to regulatory authorities. "When researchers can view real-time data to analyze results, studies move more quickly," says Chris Hamelin, President at TrialStat.

Speed of access to data and real-time reporting are key differentiators for TrialStat. According to Hamelin, unlike TrialStat, most EDC solutions do overnight batch processing of reporting and extract data.

When it came time to replace TrialStat's legacy storage, he saw an opportunity to improve storage performance, control costs, and support larger AI modeling.

After comparing several options, Hamelin selected Pure Storage FlashArray//X. "With FlashArray, our software delivers the speed and real-time data access researchers need to complete studies efficiently and bring lifesaving medical treatments and devices to market faster," he says. A data set that previously took a full day to compile now takes just seconds.

If a single trial includes tens of thousands of pages of data, cutting access time even a little bit can have a big impact. "Loading a page of data on Pure is 300 times faster than on our old storage," says Christopher Kata, Director of Sales and Marketing at TriaStat. "What used to take 2 to 3 seconds now takes just .01 seconds. In a study with 900 patients, each with 30 pages of data, that saves researchers almost 19 hours each time they access the data."

Critical Research Demands TrialStat's 99.99% Uptime Guarantee

TrialStat's ability to deliver on its uptime guarantee is also a competitive differentiator. Clinical trials run 24/7, worldwide, so even planned downtime isn't an option. "With Pure and the Evergreen Storage subscription, it's amazing," says Hamelin. "When it was time for an upgrade, we simply showed up, opened the door, and Pure completed the upgrade without a minute of downtime."

Speed Fuels Future Innovation in Clinical Trial Data Management

Now Hamelin is putting the speed of FlashArray and capacity freed up by its 11:1 data deduplication to work in new ways. One project uses AI to predict adverse events and improve trial safety. Another lets patients use wearable devices to capture and provide researchers with real-time data on vital signs and daily activities.

"Many data management companies don't name their technology partners," says Hamelin. "We are proud to say that our solutions run on Pure Storage because it gives us and our customers a strategic advantage by speeding access to real-time clinical trial data."

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