

## SOLUTION BRIEF

# Transform Clinical Trials with Pure

Utilize a modern data infrastructure to streamline clinical trials and accelerate time-to-market.

Only 12% of drug candidates successfully navigate the three phases of a clinical trial. To improve the odds, the biopharma industry is turning to intelligent clinical trials informed by comprehensive, real-time data and artificial intelligence. Clinical development teams are leveraging the power of virtual trials to be more patient-centric and efficient. Pursuing these innovations requires a modern, scalable data infrastructure to manage high information volumes, support advanced analytics, and run virtual environments smoothly. Pure Storage® provides a Modern Data Experience™ that helps life-science organizations lead successful trials and expedite time-to-market for new drugs and therapeutics.

## Data Drives Modern Clinical Trials

Modern clinical trials lean on more data sources and advanced analytics to gather insights. They also recruit participants virtually while keeping data secure. Data streaming from electronic health records, sequencing, imaging, and connected digital health devices can quickly pile up. These massive amounts of data need scalable storage across on-premises and cloud environments. And as biopharma teams incorporate AI to inform trial planning or stratify and recruit patients, they need a robust compute, storage, and networking foundation. This infrastructure should support every pipeline element, from data ingestion and cleansing to modeled results.

## Pure Propels Clinical Trial Pipelines

**Unlimited Data Storage:** Pure scales to meet the growing data demands inherent to life sciences, whether you prefer on-premises, cloud, or hybrid solutions. Pure FlashBlade® stores data extremely efficiently because it offers unified fast file and object storage (UFFO), bringing together the strengths of two fundamental data storage forms within one system. Pure as-a-Service™ unifies on-premises and public-cloud storage resources into a single subscription, delivering a true hybrid-cloud experience.



### Unlimited Data Storage

Keep pace with the increasing data demands of clinical trials.



### Power, Flexibility, and Speed for AI

Future-proofed infrastructure helps you expand AI and analytics.



### Proven Security

Protects sensitive data, whether on-premises or in the cloud.

**Fast AI Analytics:** Pure delivers a single, scale-out platform that consolidates AI workloads. With FlashBlade, you can inform trial planning by leveraging big data—either structured or unstructured—while keeping it highly available and resilient. Researchers can depend on data that loads quickly, even when complex images or data models are involved. FlashBlade provides consistent, multi-dimensional performance in concurrency, including IOPS, throughput, and latency.

**Remote Trial Support:** Support a rapid transition to remote clinical trials with the most resilient virtual desktop infrastructure (VDI) available. Comprehensive data services, effortless scale, and simple management support a VDI experience that's fast and extremely reliable. Customers benefit from VDI applications with <1ms latency and proven 99.9999% availability of FlashArray™, providing a highly secure environment without the performance problems common to legacy solutions. With Pure, accelerate Citrix or VMware VDI solution deployments and transition seamlessly from a VDI pilot to supporting thousands of users. The result is a smooth experience for both employees and clinical trial participants.

**Modern Data Protection:** As clinical trial data becomes increasingly digital, there's a huge need to protect patient information, research findings, and data backups in the event of an attack. The Pure1 Meta® analytics platform helps data teams synthesize intelligence from thousands of devices and quickly identify attempted intrusions. Combining FlashBlade with Splunk or Elasticsearch creates a powerful data analytics and security platform. Pure SafeMode™ snapshots are designed to keep an attacker or rogue insider from deleting backups, even if administrator credentials have been compromised, and helps protect data if an attack occurs. Purity ActiveDR™ provides powerful data replication capabilities to ensure quick backups. At the same time, FlashBlade delivers rapid restore capabilities of up to 270TB/hour in the event of needing to recover from an attack.

## Additional Resources

- Learn more about [life sciences](#) and [healthcare](#) solutions from Pure.
- Learn more about [safeguarding your data with Purity ActiveDR](#).

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