

# SAS<sup>®</sup> Life Science Analytics Framework



## Key Benefits

The SAS Life Science Analytics Framework enables customers performing clinical trial research to:

- **Improve efficiency and accelerate bringing therapies to market.** Reliably speed data into validated analysis so you can accelerate your product's path to packaging for submission and free up more of your time to focus on results.
- **Optimize operational performance.** Integrate analytics applications to create a more reliable development environment that accelerates clinical research, speeds drug development and increases operational efficiency.
- **Ensure regulatory compliance.** Avoid delays on regulatory submissions and reduce the risk of noncompliance.
- **Modernize clinical trials.** Maintain a single source of study data, analytics programs, workflow automation and audit compliance for each project. Empower your multi-geo teams to collaborate, increasing your organization's clinical research innovation and productivity.

## Overview

Clinical trials are increasingly complex due to new trial designs, decentralized approaches and the incorporation of more real-world data sources. Meanwhile, trials are running faster than ever before - and are still required to deliver reliable results.

SAS Life Science Analytics Framework delivers a single, open, cloud-native statistical computing environment for clinical research. The solution consists of a globally available single source of data, embedded analytics and automation tools, support for data standards, and optional integrated analytics applications - all in an auditable and regulatory-compliant platform. With APIs that allow data sharing with other industry-standard tools, the SAS analytics foundation for clinical research will enable you to confidently bring new therapies to market faster to improve people's health.

## Why SAS®?

If you need to drive speed and innovation in clinical research while mitigating risk, SAS can help. With SAS Life Science Analytics Framework, you benefit from:

- **Faster time to market.** Only SAS Life Science Analytics Framework provides a cloud-native, single solution for clinical analysis and submission that includes everything you need for validation, regulatory compliance, versioning, audit trails and documentation support.
- **Improved efficiency and reduced errors in data aggregation and preparation.** The solution enables automation through workflows, support for current and future integrations, and implementation and proper management of data standards and controlled terminology. A central hub for all incoming data supports automated data quality analysis and improves data management and analytical data preparation.
- **Rigorous statistical analysis and regulatory controls.** SAS Life Science Analytics Framework combines regulatory compliance and control features with seamless development and execution of SAS programs, reducing risk to your business.
- **Expanded access to and collaboration with clinical data.** The solution includes a shared workspace, clinical data repository and analytics platform that provide fast, secure access for all authorized global team members.
- **A solid framework for traditional and emerging trial designs.** SAS Life Science Analytics Framework supports new, decentralized and hybrid trial models, including automation, decision support and activity tracking.

## The Solution

SAS Life Science Analytics Framework provides a single analytics foundation and statistical computing environment for clinical research – paving the way for the efficient development, execution and management of the analysis and reporting of clinical studies.

It enables clinical research groups to integrate any analytics applications into its hosted environment, allowing them to deliver the power of analytics to more roles within the organization. In addition, because SAS Life Science Analytics Framework is fully integrated with open source, it gives your organization broader access to talent – and users the flexibility to program in SAS, R and Python.

## Capabilities

With SAS Life Science Analytics Framework, you can efficiently transform, analyze and report on clinical trial data – and develop new therapies faster by giving everyone access to powerful pharma analytics. It's never been easier to:

### Empower all stakeholders with approachable analytics.

Drive global collaboration among internal team members, consultants, contractors and development partners by putting easy-to-use pharma analytics in the hands of experts in areas such as preclinical operations, clinical operations and medical affairs.

### Streamline and automate clinical research processes for instant insight.

Workflow capabilities aid project management oversight and support process enablement to lower costs while increasing the speed and efficiency of clinical research. SAS Life Science Analytics Framework supports multiple analyses with different team members, access rights and context-specific privileges. You can assign tasks and track progress for each analysis activity and deliverable for a single study or your entire portfolio.

### Build confidence and trust with SAS' proven experience.

SAS is widely accepted as the gold standard for providing statistical capabilities to determine the safety and efficacy of medicines in clinical research. The model-driven approach for CDISC standards governance and enhanced management for study metadata drive efficiency from study setup to submission.

### Expand information management.

The platform's fully integrated environment spans from operational data systems (such as eCRF), electronic health records, sensors and wearables, omics data and biomarker data to standardization, analysis and reporting, and post-approval meta-analysis. End-to-end clinical data management means teams spend less time on operational data management activities and more time exploring data quality and executing advanced analytics and statistics.

For more information, please visit [SAS Life Science Analytics Framework](#).

