An end-to-end Clinical Data Science Platform

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Signals Clinical

Many companies use manual, resource intensive approaches to access and aggregate the numerous, disparate clinical data sources needed for strategic analyses. These approaches are neither standard nor repeatable across studies and may require additional headcount to scale to support additional studies. The consequence is wasted time, increased cost, delayed access to data, and potential adverse study impact from analytics that are delivered too late to inform strategic clinical and operational decisions.

What's needed is centralized, real-time, self-service access to clinical trial data and the ability to quickly apply advanced analytics to get a complete picture of patient safety, treatment efficacy, and trial progress.

Automate and Scale Data Preparation

Signals Clinical™ is a SaaS clinical data science platform that provides efficient data handling and processing capabilities, streamlining clinical data workflows and reducing time spent on manual analytics data preparation tasks. This allows faster delivery of the real-time analytics and visualizations that clinicians need to inform critical study decisions and keep the trial on track.

Signals Clinical provides comprehensive data management capabilities, ensuring efficient collection, unification, and standardization of clinical trial data. From data capture to analytic data preparation, Signals Clinical ensures accurate, consistent, and secure data throughout the process.

As an end-to-end clinical data science platform (Figures 1 & 2), Signals Clinical combined with Spotfire® or other analytics tools delivers:

- A centralized, single point of access for all your clinical study data management and analytics data preparation needs
- Powerful visual analytics that offer flexibility, easy customization, and scalability
- A collaborative environment (Figures 1 & 3) to track your medical review needs cross-functionally.

Signals Clinical facilitates the delivery of strategic analyses, such as safety and efficacy analysis, as well as cross-study analysis. Portfolio search aids cross-study analysis by allowing you to select and filter datasets from multiple studies and then export the right data needed for cross-study analysis.
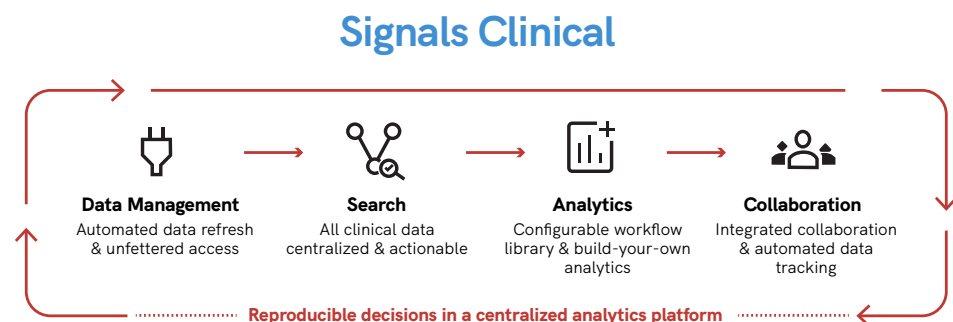
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Data Management	Search	Analytics	Collaboration
Automated data refresh & unfettered access	All clinical data centralized & actionable	Configurable workflow library & build-your-own analytics	Integrated collaboration & automated data tracking

Reproducible decisions in a centralized analytics platform

Figure 1 – Signals Clinical is a centralized clinical data science platform.
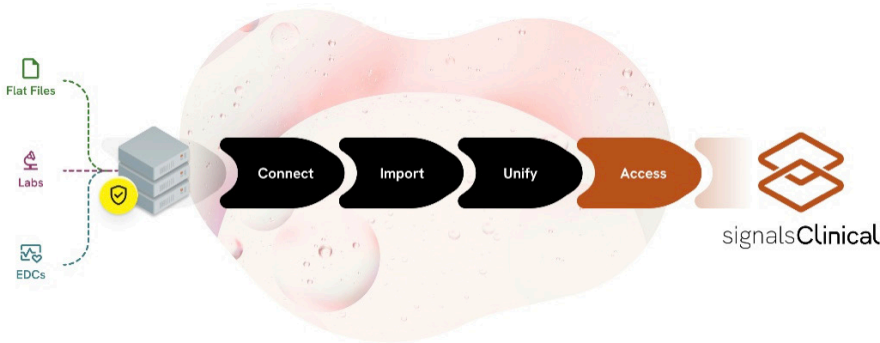
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Figure 2 – Harmonized & searchable data/ Self-service data management.

Figure 3 – Integrated collaboration: Record & communicate decisions.

Project Overview

Signals Clinical Benefits

Scale Data-driven Decisions

Deliver smarter insights at the required speed to power better clinical and operational decisions and improve the efficiency and effectiveness of the clinical trial.

Lower Costs

Streamline clinical data workflows and reduce the time and resources spent on manual tasks in order to accommodate additional studies without adding additional headcount. Automate repeatable tasks and reuse the configurable (yet flexible information design) to map data across studies in a matter of minutes. Signals Clinical helps to maximize productivity and lower overall costs to accelerate the research process.

Secure Data

'Security By Design' ensures robust data security measures protect sensitive patient information throughout the trial, including advanced encryption, access controls, and adherence to industry best practices, ensuring data privacy and facilitating compliance with regulatory requirements.

Rapid Deployment and Scalability

Signals Clinical can be quickly deployed and accommodate changing data volumes based on the evolving needs of the trial, allowing clinicians to adapt to changing circumstances and resource requirements.

Comprehensive Data Management

Access and manage large volumes of data in a central location while ensuring data quality and accuracy in a secure environment. Access the clinical data needed for analysis from virtually any source, including Medidata Rave, Veeva Vault EDC, and other EDC systems.

Improved Collaboration with Stakeholders

Integrated collaboration supports faster decision-making and enhances overall team efficiency by enabling clinicians to seamlessly collaborate on clinical trial data with other stakeholders using real-time data sharing and commenting to ensure that all stakeholders are on the same page and working towards the same goals.

The Result: Better Informed Clinical and Operational Decisions

Using Signals Clinical for analytics data preparation facilitates the rapid delivery of deep insights into clinical trial data, uncovering trends and patterns that may not be immediately apparent. Advanced data visualization capabilities, powered by Spotfire, allow for improved understanding and analysis of complex data - leading to faster and more accurate decision-making and providing clinicians with the tools they need to make informed decisions.

Signals Clinical helps your organization spend more time developing strategic analyses to inform decisions and less time preparing clinical data for analysis.

To learn more about Signals Clinical, visit: https://revvitysignals.com/products/clinical-translational/clinical-solutions

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