Life Sciences Clinical Data and Analytics (D&A) Platforms PEAK Matrix® Assessment 2024

November 2024: Complimentary Abstract / Table of Contents

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Introduction

Clinical trials are becoming increasingly complex due to decentralized and hybrid trial designs, which generate vast volumes of data from numerous sources. In this evolving landscape, sponsors are progressively turning to unified clinical data and analytics platforms for effective data management and informed decision-making.

These platforms offer a range of benefits such as consolidating diverse data types into a centralized repository, transforming this data into standardized formats, enabling real-time monitoring for various stakeholders, detecting outliers and signals, predicting adverse events, and generating customized reports and dashboards. Thus, they address sponsor challenges right from data ingestion to insight generation. Additionally, platform providers are incorporating AI and generative AI capabilities to automate routine tasks, generate insights, and enhance quality and risk management.

In this report, we assess the capabilities of 18 platform providers specific to clinical D&A. These platform providers are mapped on the Everest Group PEAK Matrix®, which is a composite index of a range of distinct metrics related to a provider's capability and market impact.

This report includes the profiles of the following 18 leading clinical D&A providers featured on the clinical D&A platforms PEAK Matrix:

- **Leaders:** eClinical Solutions, Medidata Solutions, and Saama

- **Major Contenders:** AlphaLife Sciences, EDETEK, Emmes, IQVIA, Lokavant, MaxisIT, Oracle, TCS, ThoughtSphere, Veeva, and Zelta (Merative)

- **Aspirants:** Adaptive Clinical Systems, Axiom Real-time Metrics, NextTrial AI, and Signant Health

Scope of this report

Geography: Global

Industry: life sciences (biopharmaceuticals, medical devices, and Contract Research Organizations (CROs))

Products: clinical D&A platforms

Overview and abbreviated summary of key messages

This report examines the global clinical data and analytics platform providers landscape and its impact on the clinical development value chain of life sciences. It focuses on platform providers' position and growth in the clinical data and analytics market, changing market dynamics and emerging platform provider trends, and assessment of their data & analytics capabilities

Some of the findings in this report, among others, are:

Market dynamics

- The increasing complexity of clinical trials, combined with data proliferation, is driving sponsors to adopt unified clinical data and analytics platforms for effective data management and informed decision-making
- The rise of decentralized and hybrid trial designs has elevated the importance of real-time trial data monitoring, anomaly detection, predictive analytics, and next-best action recommendations

Emerging platform provider trends

- Platform providers are improving end-to-end clinical data and analytics capabilities, such as improving data management capabilities, developing RBQM and SCE capabilities, providing improved self-serve data visualizations, and improvements to UI/UX
- Platform providers are incorporating AI/ML and generative AI functionalities into the platform to automate routine tasks, generate insights, and enhance quality and risk management
- Platform providers are also focusing to improve the data integration and interoperability of platforms, by increasing the number of pre-built adapters, integrations with lab data, EHRs, wearables, medical devices, and accelerating data transformation
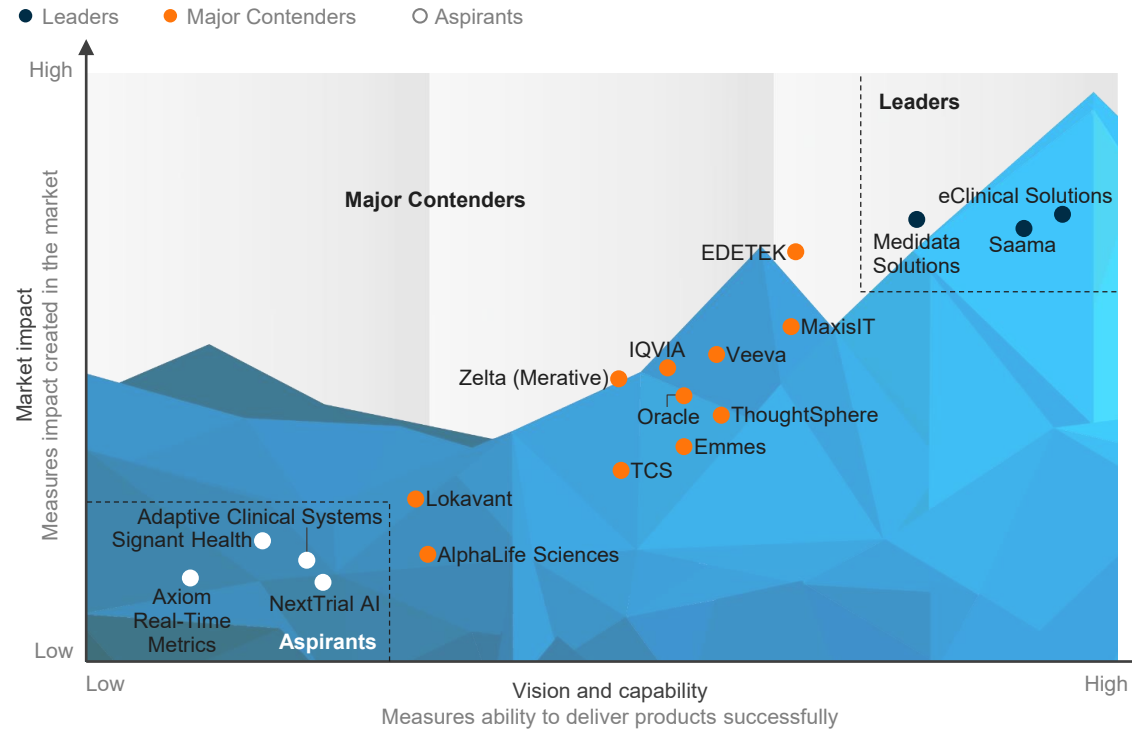
Platform providers' delivery capabilities

- Clinical data and analytics platform providers can be categorized into three categories of Leaders, Major Contenders, and Aspirants on the capability-market impact matrix
- eClinical Solutions, Medidata Solutions, and Saama have emerged as Leaders with comprehensive and robust clinical data integration, analytics, and AI capabilities, while there are certain other players who provide best-of-breed solutions targeting specific segments such as data management or analytics

This study offers three distinct chapters providing a deep dive into key aspects of clinical data and analytics platforms market; below are three charts to illustrate the depth of the report

Everest Group PEAK Matrix® Assessment 2024

Illustrative example

Everest Group Life Sciences Clinical Data and Analytics (D&A) Platforms PEAK Matrix® Assessment 2024

- ● Leaders
- ● Major Contenders
- ○ Aspirants

Market impact
Measures impact created in the market

Vision and capability
Measures ability to deliver products successfully

1 Assessments for Adaptive Clinical Systems, Axiom Real-Time Metrics, NextTrial AI, Oracle, Signant Health, TCS, and Veeva excludes platform provider inputs and are based on Everest Group's proprietary Transaction Intelligence (TI) database, platform providers' public disclosures, and Everest Group's interactions with clinical D&A platform buyers
2 Assessment for AlphaLife Sciences and Lokavant is based on partial primary inputs (briefing and demo)
Source: Everest Group (2024)

Capability assessment

Illustrative example

Measure of capability: ◔ Low ● High

Providers	Market impact				Vision and capability					
	Market adoption	Portfolio mix	Value delivered	Overall	Vision and strategy	Technology capability	Flexibility and ease of deployment	Engagement and commercial model	Support services	Overall
Provider 1	◑	◑	◔	●	◑	◑	◕	◑	◑	●
Provider 2	◑	◕	◑	●	◕	◑	◑	◑	◑	●
Provider 3	◑	◕	◑	◕	◑	◑	◑	◑	◑	◕
Provider 4	◑	◑	◕	◑	◕	◑	◑	◑	◕	◑
Provider 5	◑	◑	◑	◕	◑	◑	◑	◑	◑	◕
Provider 6	◑	◑	◑	◕	◑	◕	◑	◑	◑	◕

Everest Group's remarks on providers

Illustrative example

Measure of capability: ◔ Low ● High

	Market impact				Vision and capability					
	Market adoption	Portfolio mix	Value delivered	Overall	Vision and strategy	Technology capability	Flexibility and ease of deployment	Engagement and commercial model	Support services	Overall
	◑	◑	◕	◕	◑	◑	◐	◐	◕	◕

Strengths
- Provider 1, offers a platform with end-to-end capabilities across the clinical data value chain, from data ingestion to visualization
- Clients appreciate the platform's robust data integration capabilities, which enable it to ingest data from multiple data collection systems

Limitations
- Clients want the turnaround time for Provider 1's support services to be faster in order to achieve quicker resolution of issues
- Some clients feel that Provider 1 does not fully engage as a strategic and consultative partner, and believe there is room for improvement in this area

Research calendar

Clinical Development Technology

Published   Current release   Planned

Reports title	Release date
Life Sciences Decentralized Clinical Trial Platforms Provider Compendium 2024	February 2024
Optimizing Clinical Development RoI – Trends, Challenges, and Opportunities in Patient Recruitment	June 2024
The Promise of Generative AI in Clinical Development	July 2024
Life Sciences Electronic Data Capture (EDC) Products PEAK Matrix® Assessment 2024	September 2024
Patient Engagement Trailblazers in Clinical Development	September 2024
Life Sciences Clinical Data and Analytics (D&A) Platforms PEAK Matrix® Assessment 2024	November 2024
Transforming Trial Oversight with Unified Data and Analytics Solutions	Q4 2024
Life Sciences Clinical Trial Management System (CTMS) Products PEAK Matrix® Assessment 2024	Q4 2024
Life Sciences Electronic Data Capture (EDC) Products Provider Compendium 2024	Q1 2025
Life Sciences Clinical Trial Management System (CTMS) Products Provider Compendium 2024	Q1 2025
Life Sciences Clinical Data and Analytics (D&A) Platforms Provider Compendium 2024	Q1 2025
Clinical Development Technology – State of the Market	Q2 2025
Bridging the Gap: EHR-EDC Integration for Improved Healthcare Outcomes	Q2 2025
Tech Vendor Spotlight – Wearables and Remote Monitoring in Clinical Trials	Q2 2025
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