



Life Sciences Clinical Trial Management System (CTMS) Products PEAK Matrix[®] Assessment 2024

November 2024: Complimentary Abstract / Table of Contents

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Introduction

Clinical Trial Management Systems (CTMS) serve as the foundation for modern clinical research, providing essential tools for managing and tracking all operational aspects of the trial process. The increasing complexity of clinical trials, the growing volume of data, and the need for enhanced efficiency and collaboration have driven the transformation of CTMS platforms from a basic on-premise, siloed data management system to a cloud-based, integrated system.

Initially, to address the limitations of manual, paper-based processes, early CTMS platforms offered basic data management but lacked integration capabilities. Over time, advances in technology, regulatory demands, and the growing trial complexity led to the emergence of modern CTMS platforms that offer enhanced features such as integration with Electronic Health Records (EHRs), remote monitoring, and real-time actionable insights. CTMS platform providers continue to invest in AI/ML, automation, and advanced analytics to enable more efficient clinical trials. By providing real-time insights, automating routine processes, and allowing for better data management, modern CTMS platforms ensure that trial operations are

streamlined and more effective, leading to more informed decision-making and faster trial execution.

In this report, we assess the capabilities of 13 CTMS providers. The 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 13 leading CTMS product providers featured on the CTMS Products PEAK Matrix:

- **Leaders:** Medidata Solutions, Oracle, Veeva Systems
- **Major Contenders:** Anju Software, BSI Life Sciences, Cloudbyz, Ennov, Octalsoft, SimpleTrials, SyMetric
- **Aspirants:** Clinevo, Clinion, Jeeva Clinical Trials

Scope of this report

Geography: Global

Industry: Life sciences

Product: Clinical Trial Management System (CTMS)

Overview and abbreviated summary of key messages

This report examines the global Clinical Trial Management System (CTMS) product providers landscape and its impact on the clinical development value chain of life sciences. It focuses on platform providers' position and growth in the CTMS market, changing market dynamics and emerging product provider trends, and assessment of their CTMS capabilities

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

Market dynamics

- The increasing complexity of trials, the growing volume of data, and the need for real-time collaboration, has driven the shift towards cloud-based, integrated CTMS platforms that provide real-time operational insights into trial performance
- CTMS solutions are evolving to become the "single source of truth," by integrating data from diverse sources and other clinical technologies, enabling unified oversight and more efficient decision-making

Emerging CTMS provider trends

- CTMS providers are enhancing platforms with advanced analytics, AI/ML, and automation to boost data quality and trial efficiency, while also improving user experience
- Providers are emphasizing interoperability by ensuring seamless integration with other clinical trial technologies such as EHRs, EDC, eTMF, and payment systems.
- Providers are making a concerted effort to improve user experience and reporting capabilities in CTMS solutions, enabling more intuitive interfaces, automated insights, and enhanced data visualization for faster, data-driven decision-making

Platform providers' delivery capabilities

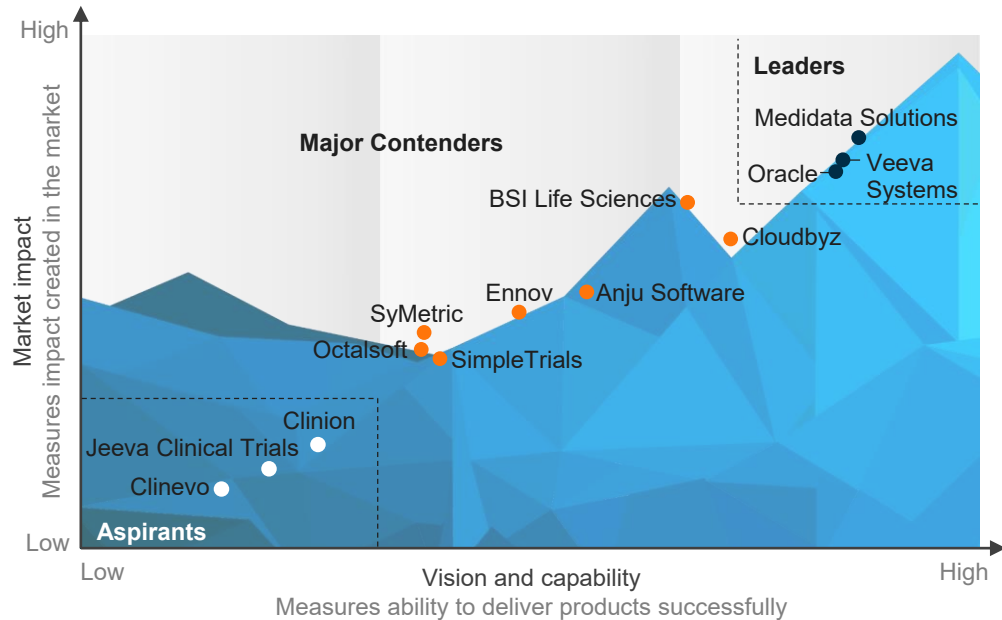
- CTMS providers can be categorized into three categories of Leaders, Major Contenders, and Aspirants on the capability-market impact matrix
- Medidata Solutions, Oracle, and Veeva Systems have emerged as Leaders with comprehensive CTMS capabilities. Certain Major Contenders provide CTMS solutions which are user friendly and cost-effective without compromising on quality and efficiency

This study offers three distinct chapters providing a deep dive into key aspects of Electronic Data Capture systems market; below are three charts to illustrate the depth of the report

Everest Group PEAK Matrix® Assessment 2024

Everest Group Life Sciences Clinical Trial Management System (CTMS) Products PEAK Matrix® Assessment 2024¹

● Leaders ● Major Contenders ○ Aspirants



¹ Assessments for Anju Software, Clinevo, Clinion, Ennov, Octalsoft, SimpleTrials, and Veeva Systems excludes provider inputs and are based on Everest Group's proprietary Transaction Intelligence (TI) database, provider public disclosures, and Everest Group's interactions with buyers
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	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	Overall
●	●	●	●	●	●	●	●	●	●

Strengths

- Provider 1 offers a comprehensive CTMS platform with extensive functionalities and a high degree of configurability, allowing clients to tailor the system to their specific study requirements
- Clients appreciate the study planning and monitoring features offered, particularly the ability to work with custom templates and track milestones and study status effectively

Limitations

- Despite a high brand recall across the pharmaceutical client spectrum, SMB clients may not experience the same level of support and flexibility as large clients
- Clients, especially small pharmaceutical companies, perceive it as expensive and not competitively priced

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
Transforming Trial Oversight with Unified Data and Analytics Solutions			October 2024
Life Sciences Clinical Trial Management System (CTMS) Products PEAK Matrix® Assessment 2024			November 2024
Life Sciences Clinical Data and Analytics (D&A) Platforms PEAK Matrix® Assessment 2024			Q4 2024
Life Sciences Electronic Data Capture (EDC) Products Provider Compendium 2024			Q4 2024
Life Sciences Clinical Trial Management System (CTMS) Products Provider Compendium 2024			Q4 2024
Life Sciences Clinical Data and Analytics (D&A) Platforms Provider Compendium 2024			Q4 2024
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
Tech Vendor Spotlight – RBQM			Q2 2025
Patient Recruitment Trailblazers			Q3 2025

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