



# Life Sciences Electronic Data Capture (EDC) Products PEAK Matrix<sup>®</sup> Assessment 2024

September 2024: Complimentary Abstract / Table of Contents

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- ▶ Insurance Technology (InsurTech)
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- ▶ Interactive Experience (IX) Services
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# Introduction

Electronic Data Capture (EDC) systems are an integral part of clinical research enabling the collection, storage, and management of clinical data. EDCs represent the major shift from paper-based Case Report Forms (CRFs) to digital and web-based trial data collection. The importance of EDC systems was further underscored during the COVID-19 pandemic, as the need for remote and decentralized clinical trials surged. The pandemic highlighted the necessity for robust, flexible, and secure data capture solutions that could support the rapid development and approval of treatments and vaccines.

In response to the evolving sponsor needs, EDC providers have constantly innovated and upgraded their offerings. It has transitioned from being a medium of data collection and stand-alone system to a comprehensive and well-integrated data management solution. Providers are investing in real-time data analytics, Artificial Intelligence (AI), and Machine Learning (ML) to improve data quality and trial efficiency. Providers are also emphasizing interoperability, ensuring their systems can seamlessly integrate with other clinical trial technologies such as Electronic Health Records (EHRs), Electronic Medical

Records (EMRs), and Laboratory Information Management Systems (LIMS). Integration with a larger number of Real-world Data (RWD) sources, investments in AI, analytics, and creating an intuitive user experience would help providers to stay competitive in this market.

In this report, we assess the capabilities of 20 EDC 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 20 leading EDC providers featured on the EDC products PEAK Matrix:**

- **Leaders:** Medidata Solutions, Zelta (Merative), Oracle, Veeva Systems, and Viedoc Technologies
- **Major Contenders:** Castor, Cloudbyz, CRScube, Crucial Data Solutions, EDETEK, Emmes, Mednet, Medrio, OpenClinica, and REDCap Cloud
- **Aspirants:** Clinion, Cliniv, Jeeva Clinical Trials, JNPMEDI, and SyMetric

## Scope of this report

**Geography:** Global

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

**Products:** Electronic Data Capture (EDC)

# Overview and abbreviated summary of key messages

This report examines the global Electronic Data Capture (EDC) 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 EDC market, changing market dynamics and emerging product provider trends, and assessment of their EDC capabilities

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

### Market dynamics

- The shift from paper-based Case Report Forms (CRFs) to Electronic Data Capture (EDC) systems has driven the need for advanced digital solutions to efficiently collect, store, and manage clinical trial data
- The demand for decentralized and remote clinical trials, accelerated by the COVID-19 pandemic, has highlighted the necessity for secure, adaptable EDC systems that can integrate with other clinical technologies and support real-time data analytics

### Emerging EDC systems provider trends

- EDC providers are enhancing platforms with real-time analytics, AI, and ML 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, EMRs, and CTMS. They are also expanding their platforms to incorporate a broader range of Real-world Data (RWD) sources to stay competitive in the market

### Platform providers' delivery capabilities

- Electronic Data Capture systems providers can be categorized into three categories of Leaders, Major Contenders, and Aspirants on the capability-market impact matrix
- Medidata Solutions, Zelta (Merative), Oracle, Veeva Systems, and Viedoc Technologies emerged as Leaders with comprehensive EDC capabilities. Certain Major Contenders provide EDCs which are user friendly and cost-effective solutions 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

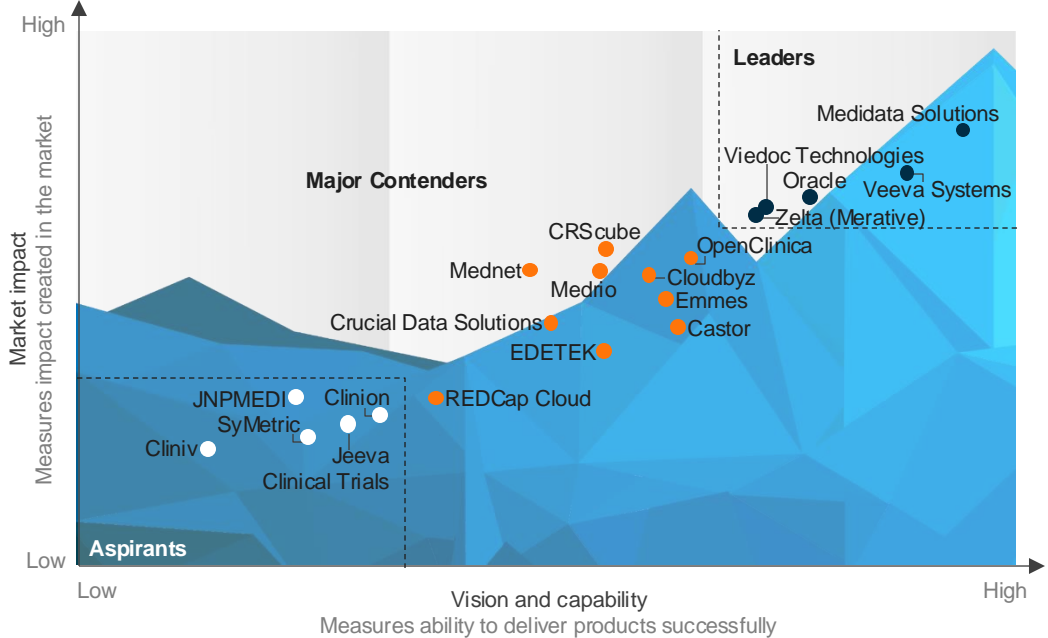
## Everest Group PEAK Matrix® Assessment 2024

## Capability assessment

Illustrative example

### Everest Group Electronic Data Capture (EDC) Products PEAK Matrix® Assessments 2024<sup>1,2</sup>

● Leaders ● Major Contenders ○ Aspirants



1 Assessments for Castor, Oracle, REDCap Cloud, and Veeva excludes provider inputs and are based on Everest Group's proprietary Transaction Intelligence (TI) database, provider public disclosures, and Everest Group's interactions with insurance buyers  
 2 Analysis for Medrio is based on partial primary inputs (no briefing and demo given)  
 Source: Everest Group (2024)

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	●	●	●	●	●	●	●	●	●	●

Measure of capability: ○ Low ● High

### Everest Group's remarks on providers

Illustrative example

	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
	●	●	●	●	●	●	●	●	●	●

Measure of capability: ○ Low ● High

- Strengths**
- Provider 1 offers seamless integration capabilities with wearables and sensors (via Sensor cloud) and EHR/EMR databases (via XYZ companion)
  - Clients praise Provider 1 for its strengths in source data verification, SDTM mapping, AI-driven query management, adverse event management, and automated edit check rule creation

- 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 Rol – Trends, Challenges, and Opportunities in Patient Recruitment			June 2024
The Promise of Generative AI in Clinical Development			July 2024
Clinical Trial Patient Engagement Products Trailblazer Assessment 2024			September 2024
Transforming Trial Oversight with Unified Clinical Data and Analytics Solutions			September 2024
<a href="#">Life Sciences Electronic Data Capture (EDC) Products PEAK Matrix® Assessment 2024</a>			<a href="#">September 2024</a>
Life Sciences Clinical Trial Management System (CTMS) Products PEAK Matrix® Assessment 2024			Q3 2024
Life Sciences Clinical Data and Analytics (D&A) Platforms PEAK Matrix® Assessment 2024			Q3 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

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