



Solution overview

Seamlessly connect clinical and research systems for enhanced collaboration



Connecting clinical and research systems without barriers

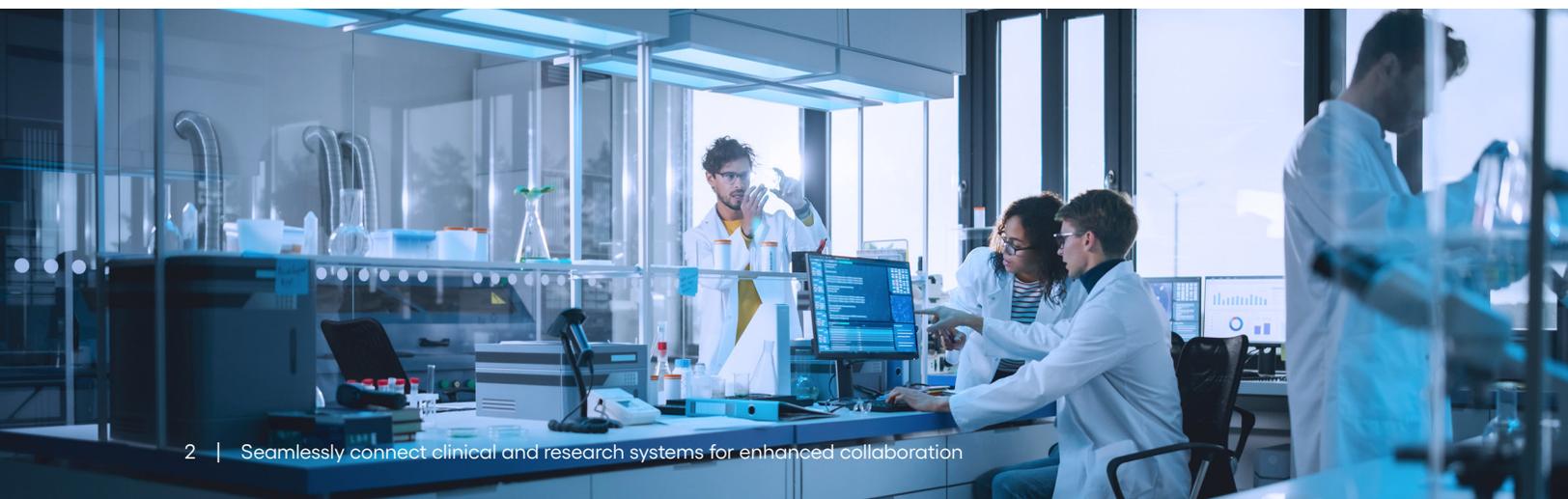
Conducting effective clinical trials depends on seamless and continuous exchange of records, documents and data between sponsors, research sites, technology partners and research organizations. This exchange requires participating teams to update and maintain numerous key documents, data management systems and site information throughout the course of a clinical study or other research engagement, including CVs, FDA Form 1572, training records, safety notifications and other clinical or operational content. While many research sites, including large academic medical centers and midsize organizations, as well as technology vendors and research organizations, have invested in their own systems to manage records, they must also manage and track all the records and documents to be exchanged with multiple partners, including sponsors.

While sponsors, sites, technology vendors and research organizations share a common goal of advancing clinical research, the systems they use to manage documents and data are often disconnected. Sponsors need timely and compliant access to information from multiple partners to accelerate study startup and oversight. Sites want to avoid duplicating effort by uploading the same content to different portals. Technology vendors aim to deliver products that integrate seamlessly into their customers' workflows without the cost and complexity of building one-off connectors. Research organizations must coordinate exchanges across diverse stakeholders while ensuring data quality and regulatory compliance. Without a single secure connection framework these groups spend significant time and resources on repetitive uploads, version tracking and system-specific processes which slows collaboration and increases operational burden.

The integration hurdles slowing collaboration

Sponsors, sites, technology vendors and research organizations each face unique but connected challenges when exchanging documents, records and data for clinical studies or other research programs:

- **Sponsor challenges:** Working with a large number of partners using different systems makes integration costly and time-consuming. Manual processes for collecting and filing documents slow study startup and oversight.
- **Site challenges:** Managing multiple sponsor portals creates duplicate work. Even with their own platforms, sites must upload the same documents repeatedly and track versions across systems.
- **Technology vendor challenges:** Customers expect products to work with many clinical and operational systems. Building custom connectors for each integration is expensive and limits scalability.
- **Research organization challenges:** Coordinating document and data exchange across numerous sponsors and sites while maintaining compliance and version control is complex and resource-intensive.



A single connection framework for every stakeholder

Cognizant® Clinical Systems Connector is a configurable integration framework that enables secure, bidirectional exchange of clinical and research data and documents between any combination of systems used by sponsors, sites, technology vendors and research organizations. It replaces costly point-to-point integrations with a single connection layer that can be reused across programs and partners.

By leveraging REST APIs, Cognizant Clinical Systems Connector supports inbound and outbound connectivity, authentication options, data mapping and validation. This allows content such as CVs, FDA Form 1572, training records, safety notices, master data and study artifacts to move quickly and securely between systems including eISF, eTMF, EDC and CTMS.

Whether a sponsor needs to receive essential site documents, a site wants to send updates from its own platform, a technology vendor aims to embed turnkey interoperability or a research organization must coordinate across multiple partners, Cognizant Clinical Systems Connector provides a single pathway for exchanging information at scale.

How Cognizant Clinical Systems Connector delivers value



Faster startup: Share documents and data directly from site and research systems to sponsors, CROs and partners



Lower costs: Replace custom integrations with a reusable connection framework



Less admin work: Reduce duplicate uploads and manual data entry across systems



Better data quality: Keep records, versions and statuses aligned for all parties



Built-in interoperability: Let technology vendors embed Cognizant Clinical Systems Connector for ready-to-use connectivity



Multi-party collaboration: Coordinate exchanges across sponsors, sites, CROs and tech partners



Efficiency built into every exchange

- **Automated exchanges:** Moves records and data securely between any connected systems without manual intervention, reducing repetitive effort for all stakeholders
- **Faster review and approval:** Delivers documents and data directly into the correct destination system for immediate action by sponsors, sites, CROs or partners
- **Version synchronization:** Maintains consistent document statuses and versions across systems so every party works from the same updated information
- **Configure once, reuse many times:** Apply the same mapped structure across multiple programs, partners and system types without rebuilding integrations

Clinical Systems Connector partner program

The connector is designed to help sponsors, sites, research organizations and technology vendors minimize time-consuming tasks, repetitive efforts and other challenges faced when managing connections between multiple systems. This includes the secure and efficient exchange of clinical and research data and records across a wide variety of platforms.

While Cognizant and the Clinical Systems Connector cannot solve for the additional challenges faced by organizations that do not have access to digital systems for managing records, we have developed the Clinical Systems Connector partner program to facilitate the integration of existing, commercially available systems such as eISF, eTMF, EDC and CTMS platforms.

The partner program is a pre-integration service designed to help minimize the effort required by all participating stakeholders to establish and integrate their systems using the Clinical Systems Connector. The program allows third-party system vendors to establish and test the integration between Cognizant Clinical Systems Connector and their systems, accelerating onboarding and enabling broader interoperability.



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