



For sponsors and CROs who want to integrate a large volume and variety of clinical and operational data within and across studies, ClinHUB is a state-of-the-art, source-system-agnostic data aggregation platform, enabled by artificial intelligence (AI) and machine learning (ML). It can be deployed in days or weeks driving efficiency, speed and cost savings.

Clinical Trial Complexity Increasing

Culled from many different sources and formats (i.e EDC, eCOA, lab, ePro, EMR/EHR, biomarker, and mHealth / IoT), clinical data are complex. Ingesting, aggregating and transforming these data is challenging, inhibiting real-time or near-real-time access, increasing risk and driving up costs. As clinical trial complexity increases, trial sizes grow, and data variety and volume explodes, this problem is only growing worse.

Flexible Data Aggregation Platform

ClinHUB was built from the ground up on big data, data lake architecture to process the large variety and volume of data produced in running clinical trials. ClinHUB provides comprehensive data hub functionality that enables clinical trial sponsors and CROs to ingest, aggregate, standardize and provide secure data access for all relevant stakeholders throughout the clinical organization. This gives users complete freedom to focus on high-value tasks such as analyzing clinical and operational data to better monitor risk and visualize outliers and trends.



SAVE TIME

Achieve 50 percent or greater time savings in study level integration and mapping



DECREASE COST

Realize 30 percent or more cost savings through a reduction in manual data aggregation tasks



REDUCE RISK

Real-time access to clinical trial data reduces risk in areas such as safety with next-generation serious adverse event (SAE) reconciliation





Features and Capabilities

Data Lake Architecture Using NoSQL Database

- Allows new studies to be easily configured on the platform
- Easily adapts to changes in study metadata
- Readily assembles any structured or unstructured data (EDC, CTMS, IVRs, Labs, ePro, etc)

Data Inbound Manager

- Data pipeline architecture with out of the box and custom configurable domains to ingest data
- The source data for ingestion is configured using Inbound Data Descriptors (IDDs)
- Source vendor and source data format agnostic ingestion. Out of the box support for ingesting line listings, ODM, text files, SAS files, etc.

Advanced Mapping and Transformation Engine

- Transforms the source data into industry-standard models such as SDTM, E2B R2, etc. or user-configured custom target model
- Learns the mapping using machine learning algorithms
- Provides a comprehensive mapping toolset to support complex mappings



50%

TIME SAVINGS IN
MAPPING HIGHLY
COMPLEX STUDIES



60%

IMPROVEMENT IN TIME
TO DEVELOP INITIAL
INTERFACE FOR DATA
WAREHOUSE



30%

COST SAVINGS
THROUGH REDUCTION
IN MANUAL DATA
AGGREGATION TASKS

