

**ACCELERATED  
DRUG DEVELOPMENT  
THROUGH REAL-WORLD  
CLINICAL EVIDENCE**



**CliniWorks'™ innovative clinical intelligence technologies capture, aggregate, mine real-world healthcare data, and provide a comprehensive platform to accelerate drug development across the product lifecycle—enabling timely, critical pipeline and product decision-making.**



**SHORTEN TIME-TO-MARKET AND REDUCE COSTS**

Several obstacles continue to impede the drug development process increasing the cost and time to market. These delays in the development cycle can waste time going down the wrong path resulting in missed opportunities.

CliniWorks' real-time, real-world data capture technology delivers valuable insights necessary for well-informed, comprehensive decision-making to accelerate drug development.

**UNMATCHED KNOWLEDGE, BASED ON MILLIONS OF REAL-WORLD OUTCOMES**

Through established research collaborations with global healthcare institutions, CliniWorks generates an extensive and unrivaled database of real-world evidence. CliniWorks' HIPAA-compliant platform includes **AccelDWH™**, a state-of-the-art enterprise clinical data warehouse and **AccelFind™**, an award winning search and analytics engine. CliniWorks' novel data capture technology enables clinical researchers to mine comprehensive medical data including all EMRs/EHRs, lab systems, as well as free-text physician notes, visit notes, discharge summaries, radiology and pathology reports, thus, providing deep patient information to support drug discovery.

**Unprecedented Productivity Across the Product Lifecycle**

**DISCOVERY**

- Rapid hypothesis generation
- Data mining – unmet needs/*de novo* patients
- Enhanced bio-specimen processing

Valuable, rapid-cycle clinical and biomarker analysis on patient sub- populations

**PROOF OF CONCEPT**

- Optimized protocol design
- Real-time Inclusion/exclusion modeling
- Adaptive design scenarios

Enhanced ability to focus on promising directions, avoiding developmental delays, and minimizing potential late-phase failures

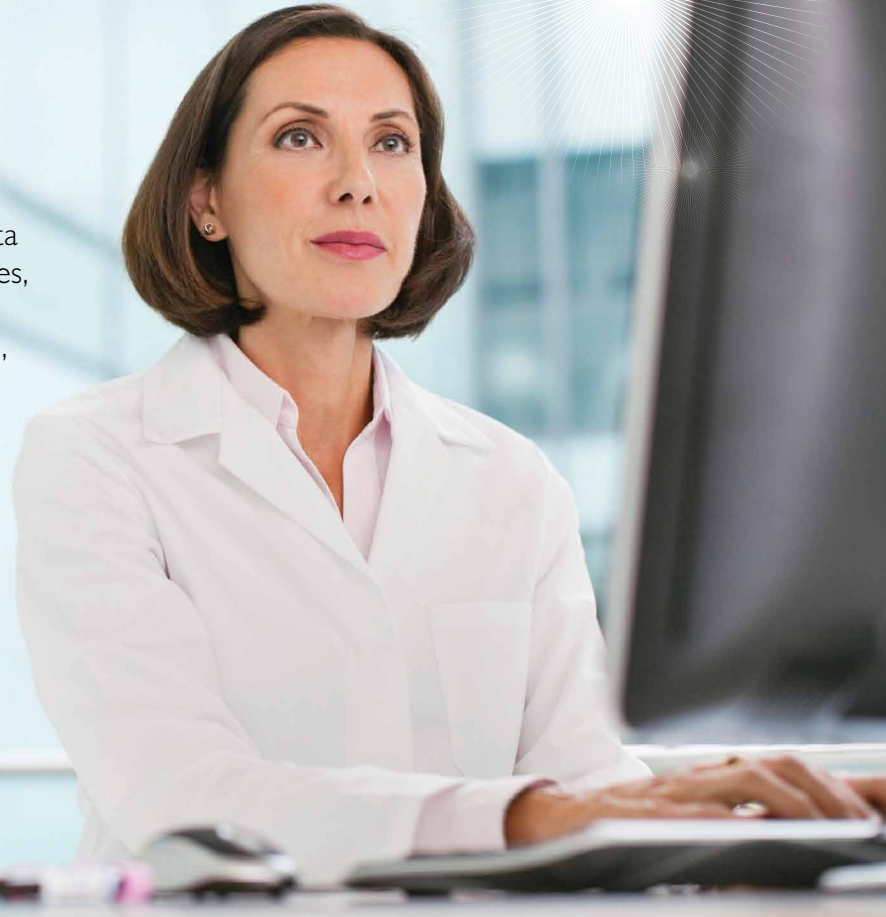
## AN ACCELERATED CLINICAL TRIALS PROCESS ELIMINATES PRODUCTIVITY BOTTLENECKS

CliniWorks' solutions drive quantitative and qualitative effective process improvement with data-driven feasibility analysis and patient recruitment, enabling a more predictive, targeted and faster clinical trial process.

## BIG DATA: INTELLIGENCE-DRIVEN, EVIDENCE-BASED ANALYTICS

CliniWorks' comprehensive data-processing technologies provide evidence-based analytics across all phases of product development. By aggregating millions of real-world healthcare data points, from multiple sources (e.g. physician notes, lab summaries, medications, procedures, prior medical history and other free-text documents), into a unified, information-rich data warehouse — CliniWorks is providing comprehensive answers to complex “Big Data” questions for the Life Sciences.

*CliniWorks' suite of technologies and real-world medical data, drive evidence-based decision making across the product life cycle — from discovery through development to post-approval and health outcomes.*



### DEVELOPMENT

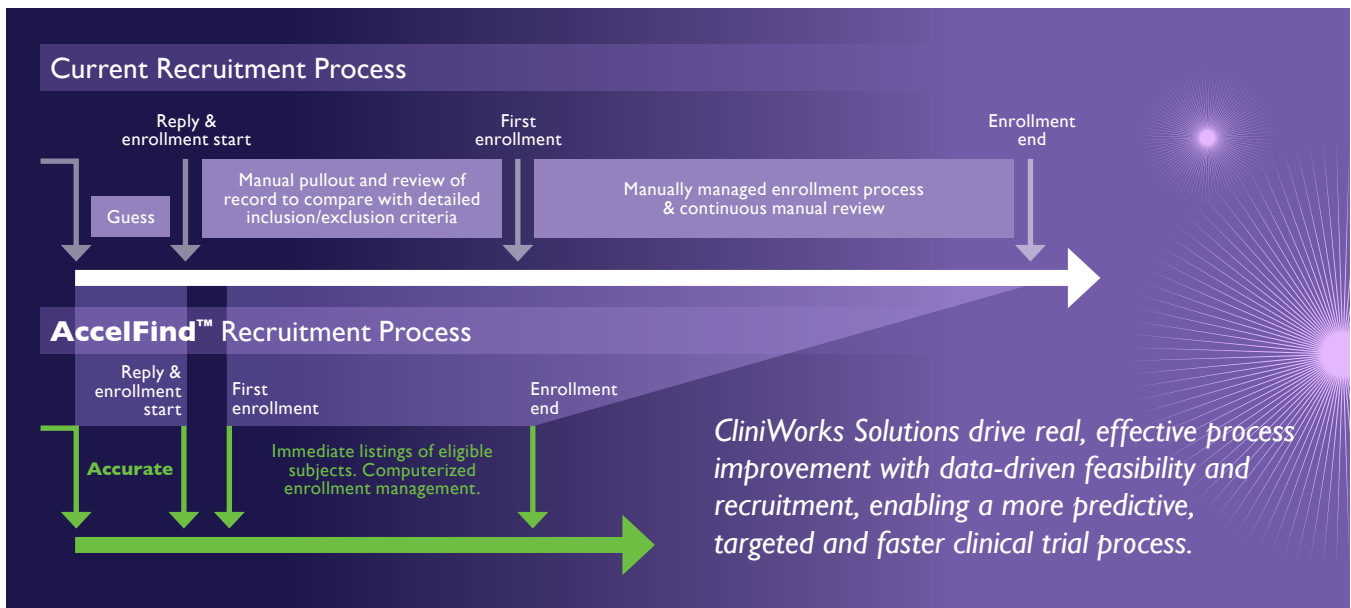
- Predictive feasibility analysis
- Data-driven patient recruitment
- Informed site selection
- Enhanced forecasting and resource planning

Quickly hit your targets, support your decisions with accurate quantitative data and analysis to reduce development time and costs and release productivity bottlenecks

### POST MARKETING

- HEOR
- Evidence-based decisions for registries
- Label expansion analysis
- Safety surveillance metrics

Rapidly evaluate the options for extending product life and reduce risk with faster market performance evidence



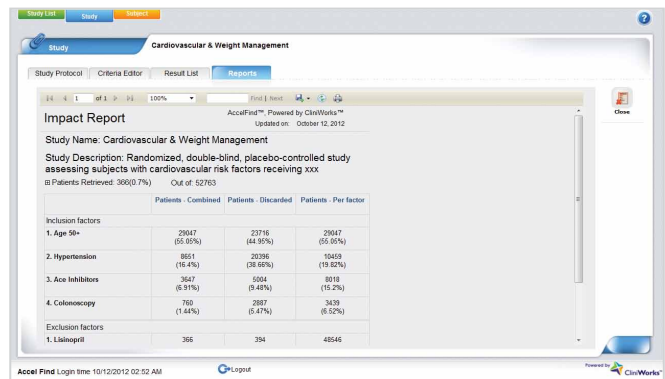
## OPTIMIZED POPULATION MODELING AND FEASIBILITY ANALYSIS

CliniWorks provides a complete analytics dashboard to quickly simulate models around disease cohorts enabling more predictable, faster clinical research planning and execution. CliniWorks facilitates research of patient sub-populations by providing disease biomarker and genetic profiling data to quickly identify patient populations of interest.

CliniWorks' advanced data-mining technology runs hundreds of clinical research feasibility studies daily, provides protocol optimization tools and determines optimal sites for patient recruitment in real-time — significantly improving clinical research efficiency and accelerating time-to-market.

## ACTIONABLE DATA DRIVES PROFITABLE DECISION-MAKING

CliniWorks delivers value across the product lifecycle; providing decision-support for clinical research, therapeutic trend information, health economics outcomes, product life extension, disease registries, enhanced safety surveillance and label expansion.



CliniWorks provides an award-winning healthcare data technology and suite of solutions that dramatically improve the speed and productivity of drug development from pre-clinical through post-approval support.

**Please visit [cliniworks.com/life-sciences](http://cliniworks.com/life-sciences) or call us at 617 395 8400 for more information.**



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