CliniWorks™
accelerating clinical research

AccelFind™ Real-World Evidence from your Big-Data

By using AccelFind healthcare providers can:

- Pose complex clinical inclusion/exclusion queries

- Immediately find patient cohorts matching study criteria

- Extract locked/hidden evidence from information-rich, free-text data

- Quickly, efficiently and securely validate eligible candidates for clinical trials

- Save months of researcher and management time

- Increase participation in research studies

- Increase revenues through sponsored clinical trials

- Deploy and administer with minimal to no IT resources

ACCELERATING CLINICAL RESEARCH IMPROVING QUALITY OF CARE

AccelFind is an award-winning, data mining platform that transforms disparate healthcare data into useful and actionable information.

With AccelFind, researchers can sift through large volumes of patient data in minutes. This enterprise software solution enables immediate extraction of real-world medical information from disparate systems and medical sources, including unstructured free-text, structured EMR and semi-structured mixed data.
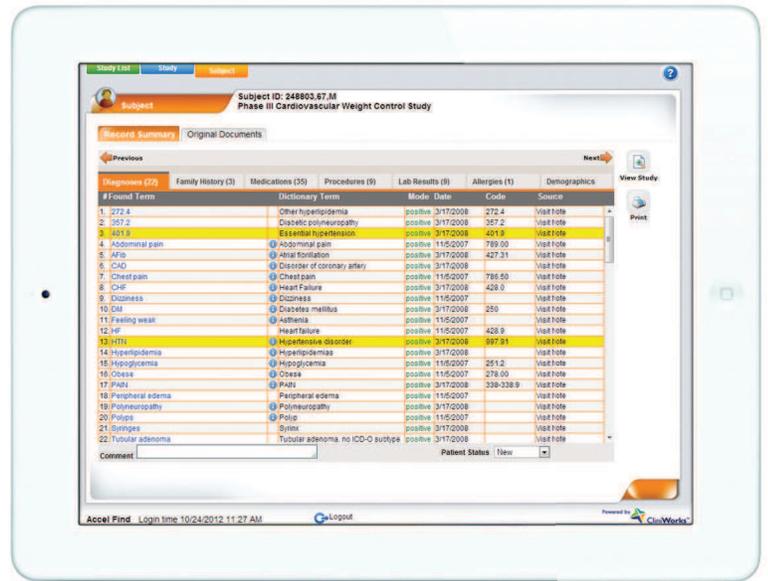
The platform enables immediate identification of eligible sites, researchers and patients for clinical studies and supports healthcare quality improvement metrics including:

- A patient risk stratification platform to reduce preventable hospital readmissions

- Near real-time alerts to identify patients who would benefit most from care transition interventions

- Quantitative benchmarking tools to identify gaps in care

- Tracking of patient outcomes and hospital performance

Free-text narratives are widely used in physician notes, but are poorly deployed in data-driven care and clinical research

The Accel**Find** uses NLP and NER technologies to interpret language captured in free-text narratives. It uses grammar and semantics, as opposed to simplistic keyword search, to parse relationships between medical terms and their actual context.

How AccelFind Works

AccelFind is built over an enterprise data warehouse – AccelDWH™

- A sophisticated rule-based engine, enables integration-free upload of any data: Progress notes, lab results, discharge summaries, pathology and radiology reports as well as billing and claims data into a central repository.

- Patient Health Information (PHI) is de-identified in all structured and unstructured documents.

- HIPAA compliant, provider-friendly, documents are generated to enable review of original records.

- The data are processed using CliniWorks' proprietary NLP and NER algorithms.

- Each document is matched against a rich conceptual ontology of over 2 Million medical concepts including LOINC, SNOMED-CT, RxNorm, NDF-RT, ICD9, ICD10, CPT, MDR and CliniWorks' proprietary and customized lexicon.

- The processed results are transformed into a fully structured enterprise database.

Accel™ reporting and analytics tools

- Providing fast and easy data visualization through a web-based/mobile user interface.

- Enabling dynamic, customized outcomes reports and alerts, to facilitate clinical research and healthcare reporting functions

Bio-IT World 2011
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To improve *your* quality performance and accelerate *your* clinical research, please call us at 617 395 8400

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