Health Informatics and Analytics

RESULTS

CALIBRE has over 25 years of experience developing health informatics solutions to improve operations and lower costs of health research and health care.

>> Clinical Research
Informatics to support the full research lifecycle from preclinical through postmarketing surveillance in the journey toward precision medicine.

>> Clinical Care
Secure capture, integration, distributed access, and quality analysis of patient care and outcome data to improve efficacy and lowers costs.

>> Regulatory Compliance
Patient data management in accordance with HIPAA and validated research systems and processes compliant with FDA regulation 21 CFR Part 11.

E-submissions in conformance with the Electronic Common Technical Document (eCTD) standard.

>> Patient Safety
Quality analysis in clinical care settings, adverse events monitoring and reporting in clinical research, and pharmacovigilance in post-marketing.

>> ICD-10 Implementation
Planning, training, and implementation support to reduce the risk and resistance to ICD-10 rollouts.

>> Patient-Centric Operations
Patient-centric informatics supported by EMR, LIMS, POE, and other clinical systems to streamline operations when deployed in a coordinated care framework with data and process interoperability.

Health Informatics (HI) encompasses the acquisition, management, delivery, and preservation of biomedical data in the contexts of health research and health care.

CALIBRE solutions cover a wide range of functionality in clinical care, clinical research, genomics, and related scientific research.

>> Biomedical Informatics
CALIBRE provides biomedical data integration, data warehousing, bioinformatics tools training and support, pharmacogenomics and related molecular analysis, text analytics and natural language processing, and high performance computing.

>> Clinical Informatics
HI solutions improve the efficiency of clinical research operations by automating data management for capture, secure transmission, quality control, storage, integration, and analytics.

Protocol development, case reporting, adverse event report distribution, and other document-centric work flows are streamlined and securely shared via document repositories and process automation.

>> Health Analytics
CALIBRE provides leading cost optimization techniques, efficiency procedures, data exploration, and modeling capabilities, and analyzes claims, processes, and patient flow data to understand potential improvements. We support organizations to address their challenges and provide cost-benefit analyses, econometric modeling, statistical analyses, and decision support.

>> Policy Analysis and Support
CALIBRE provides policy analysis, alternatives analysis, report preparation, and committee support for biomedical topics for government policy makers.

>> Grants and Contracts Management
CALIBRE offers full lifecycle support for systems to: manage individual grants and portfolios and provide detailed insight and control for project officers; integration with enterprise systems; lifecycle contracts management systems, performance payment systems, invoice processing, and information sharing between contracts and program officers; and vendor risk management systems.
HEALTH INFORMATICS (HI) SOLUTIONS

>> BIOMEDICAL INFORMATICS
- Biomedical data warehousing
- Biomedical publication indexing
- Bioinformatics tools
- Cloud computing
- Data integration
- Disease coding
- Pharmacogenomics and precision medicine
- Text analytics

>> PRE-CLINICAL INFORMATICS
- Animal model studies
- Biospecimen data management
- Biosafety Level 4 (BSL-4) laboratories
- Compound support
- Discovery services

>> GRANTS AND CONTRACTS MANAGEMENT
- Application / plan completion
- Contracts management systems
- Grant management system design and development
- Grant workflow automation
- Interagency agreements
- Portfolio analysis
- Research consortium management systems

>> CLINICAL INFORMATICS
- Clinical care modeling and analysis
- Clinical data analytics
- Clinical data repository
- Clinical library
- Data quality control
- ICD-10 support
- Patient safety reporting and management
- Protocol management

>> POLICY ANALYSIS AND SUPPORT
- Alternatives analysis
- Committee support
- Policy issue research
- Report preparation

>> REGULATED SYSTEMS
- Audit preparation
- Blood and biologics product systems
- eCTD implementation
- FDA 21 CFR 11 systems validation
- Systems design and implementation

CALIBRE Health Informatics solutions span many functions and technologies

>> Pre-Clinical Informatics
CALIBRE solutions include systems for discovery services, compound support, animal model studies, and biospecimen data management.

>> Regulated Systems (FDA 21 CFR 11)
CALIBRE provides FDA 21 CFR Part 11 systems and validation; audit preparation; eCTD implementation; and systems design and implementation for blood, biologics, and device regulation.

>> NIH Experience
CALIBRE has provided health informatics solutions to NIH for over 20 years and currently supports 13 NIH Institutes and Centers.

We field multidisciplinary teams of domain experts in pre-clinical and clinical research operations, molecular biology, health care specialties, grants and contracts management, and 21 CFR Part 11 compliance, along with information technology professionals in data warehousing, data integration, bioinformatics tools, document management, process automation, cloud computing, and information security.

Our solutions have been recognized with numerous Institute and NIH Director awards, as well as industry awards for innovation.

>> FDA Experience
CALIBRE has served the FDA for over 20 years building and maintaining systems to carry out FDA’s mission to regulate blood products and other biologics.

We have played a key role in transitioning industry submissions from paper to electronic media.

>> Military & Veterans Health Experience
CALIBRE serves the military and Veterans health establishments with data analytics solutions addressing clinical operations, cost, and quality.

>> Provider Experience
CALIBRE serves large hospitals and regional health care delivery systems with health informatics solutions addressing clinical research, clinical operations, contracts management, invoice processing, revenue modeling and maximization, expense analysis, and vendor risk management.

ABOUT CALIBRE
CALIBRE Systems, Inc. is an employee-owned management consulting and information technology solutions company supporting government and industry. CALIBRE is committed to the success of our clients and delivers enduring solutions that solve management, technology, and program challenges.

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