We are
Biomedical Information Systems Experts

ABOUT US

Essex is a biomedical research informatics and health information technology–focused consultancy headquartered in Rockville, MD. We are part of the Emmes Group, also comprising: Emmes, a global Clinical Research Organization (CRO) with a 40 year history supporting NIH and the Federal Government and delivering scientific excellence, having conducted 2,150+ Phase I, II, III, and IV clinical trials in 75+ countries with 98% client retention; and Veridix AI, focused on delivering modern data–driven clinical research through technology built on a generative AI platform, including the Advantage eClinical cloud suite. Together we offer complete biomedical research services including strategy, design, operational and modern technical infrastructure, conduct of biomedical research, data management, and analysis.

Essex's staff comprises experts with extensive experience and publications in strategically developing and managing complex health and biomedical information programs and applications for clients in the Federal Government, academic research, and private sectors. Essex is an organizational member of the Global Alliance for Genomics and Health (GA4GH).

CAPABILITIES

Biomedical/Health Informatics, and Data Science

These services harness the power of data to drive innovation in life sciences and healthcare. From data acquisition and curation to predictive analytics and machine learning models to bioinformatics solutions, we help clients uncover valuable insights from their data to enhance research outcomes and improve patient care.

This includes the following types of services:

- Data management, integration, and reporting: Planning and design, data processing, analysis, and clinical insights – Performing data abstractions (genomic, clinical, and research data), curation, analysis, and reporting in a structured and compliant manner
- Helping clients collect, store, and analyze large datasets (genomic, clinical, and research data) using advanced databases and cloud platforms
- Big data analytics and AI/ML for life sciences: Providing insights from vast datasets to improve research outcomes, predictive modeling, and patient care
- Health information interoperability: ensuring seamless data exchange across systems and using clinical data standards to support research collaborations and federal healthcare programs
- Bioinformatics solutions: Developing bioinformatics pipelines to help researchers analyze biological data such as DNA sequencing, protein structure, or molecular pathways

Program Management and Consulting Services

These services provide our clients with the strategic oversight and operational expertise needed to execute large-scale programs efficiently. We manage every aspect – from planning and budgeting to execution and compliance – allowing clients to focus on achieving their mission-critical research and healthcare objectives.

This includes the following types of services:

- Program Planning and Management – Managing large Health IT-related programs.
- Project Management
- Stakeholder Management and Health Communications
- Scientific and Technical Consulting via Subject Matter Experts (SMEs)/Specialists
- Ad hoc Consulting and Advisory Services, e.g., Strategic Assessments, Business Analysis

Health IT Strategy, System Modernization, and Digital Transformation

These services deliver tailored IT Architectures that align with our client's organizational goals. We design and support systems that are robust, scalable, and adaptable, ensuing that they meet the specific regulatory, security, and performance needs of life sciences research and healthcare operations.

This includes the following types of services:

- System optimization and integration – Improving usability, interoperability, and compliance with federal standards
- Health IT system architecture
- Digital Transformation (helping federal agencies modernize their research infrastructure by adopting emerging technologies such as cloud computing, AI, and automation)
- Cloud-based research platforms (design and deployment of scalable, secure cloud solutions to support collaborative life sciences research)
- Strategic IT planning (creating IT roadmaps focusing on innovation, scalability, and regulatory compliance)
- Technology evaluation and implementation
- Service Desk development and support

■ ESSEX MANAGEMENT COMPANY INFORMATION

Company Name: Essex Management, LLC
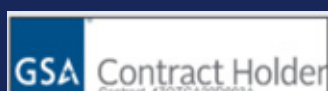**DBA:** Essex Management
CAGE/NCAGE: 5CYC9

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NAICS CLASSIFICATION CODES

511210: Software Publishers
518210: Data Processing, Hosting, and Related Services
541330: Engineering Services
541511: Custom Computer Programming Services
541512: Computer Systems Design Services
541519: Other Computer Related Services
541611: Administrative Management and General Management Consulting Services
541618: Other Management Consulting Services

541690: Other Scientific and Technical Consulting Services
541714: Research and Development in Biotechnology (except Nanobiotechnology)
541715: Research and Development in the Physical, Engineering, and Life Sciences (except Nanotechnology and Biotechnology)
541990: All Other Professional, Scientific, And Technical Services
561110: Office Administrative Services
561499: All Other Business Support Services

GSA Contract Holder

MAS 54151S: Information Technology Professional Services

MAS 54151HEAL: Health Information Technology Services