

Trusted Research & Development Partner

Life Sciences



Services & Solutions

Northrop Grumman provides a wide range of solutions and services to help clients gain greater value from their research & development investment, while ensuring the safety and cost-effectiveness organizations require.

Our Life Sciences division manages clinical trials information, improves post-market surveillance, and provides bioinformatics solutions for the pharmaceutical industry and leading academic institutions.

- Bioinformatics
- Clinical Trials IT
- Electronic Health Records
- eSubmissions Solutions
- Identity Management and Information Assurance
- Terminology Implementation and Training

Bioinformatics

Northrop Grumman is an active participant in the emerging field of bioinformatics. We have been working for the National Cancer Institute Center for Bioinformatics (NCICB) developing and supporting their Enterprise Vocabulary System (EVS). We have collaborated and developed two new bioinformatics systems. Our work for the Microbiology and Infectious Disease community has resulted in the Biodefense and Public Health Database (BioHealthBase) Bioinformatics Resource Center (BRC). BioHealthBase provides scientists with an

integrated source of complex, high-quality genomic, proteomic, and supporting scientific data in which to contribute, access, process, and exchange data during scientific collaboration. We also are developing a new integrated data warehouse and bioinformatics framework for the National Institute for Allergy and Infectious Diseases (NIAID) Allergy, Immunology, and Transplantation community. This engagement is the Bioinformatics Integration Support Contract (BISC) project, and the corresponding system is the Immunology Database and Analysis Portal (ImmPort).

Clinical Trials IT

Trials Management Solutions — Sponsors and Contract Research Organizations (CROs) rely on our advanced management solutions to conduct successful trials. CRF WorkManager is our workflow-driven business process management system that helps most of the top pharmaceuticals and CROs better manage their trials.

Data Management and Informatics — The data necessary to make sound and timely decisions for clinical trials typically resides in multiple sources throughout an organization, as well as with trusted partners and other external sources. Our data management and informatics solutions streamline the ability to capture, structure, and derive added value from the information in these disparate data sources.

Electronic Health Records

The mandated adoption of electronic health records (EHRs) in the United States offers many potential opportunities for the pharmaceutical industry. Northrop Grumman brings clinical research knowledge and a long history of implementing large-scale and global EHR systems and is uniquely positioned to lead the integration between life sciences, healthcare, and EHRs.

eSubmissions Solutions

When the Food and Drug Administration (FDA) needed Structured Product Labeling (SPL) support, Northrop Grumman was selected to develop and deliver an Electronic Labeling Information Processing System (ELIPS). This system provides storage, reviewing, editing, and transmission to National Library of Medicine (NLM).

Identity Management and Information Assurance

Northrop Grumman is the nation's leading IT security provider. Our solutions include full life-cycle information assurance and identity management. Our trusted expertise has helped biopharmaceutical companies and health agencies meet legal and regulatory requirements and standards for identity credentialing. Northrop Grumman is also an active participant in the development and application of the Signatures and Authentication for Everyone (SAFE).

Terminology Implementation and Training

Northrop Grumman deploys award-winning IT solutions to support electronic enterprises worldwide. In the pharmaceutical industry, Northrop Grumman supports the **Medical Dictionary for Regulatory Activities (MedDRA)**, serving as the official Maintenance and Support Services Organization (MSSO). We maintain and distribute the electronic medical dictionary via online subscriptions to more than 1,400 organizations around the world.



About Northrop Grumman

Northrop Grumman has served America's health and research institutions for 20 years. Blending advanced information technology with world-class health expertise, Northrop Grumman provides solutions to address a new generation of health challenges, including: Electronic Health Records, Health Information Management, Information Assurance & Privacy, Lab Information Systems Management, Disease Surveillance Systems, Registries, Networks, Data Exchanges, Systems Integration and Assessments.

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