

## Transformational Technologies for Healthcare Reform

# Clinical Information Systems

### Improving Healthcare Delivery and Patient Outcomes



The Obama Administration has made reforming healthcare to reduce costs and improve medical outcomes a top priority. Initiatives for health information technology (IT), the electronic health record (EHR) and interoperable information exchange are vital to the success of this reform effort.

Northrop Grumman is uniquely positioned to meet this challenge. For more than a decade, the company has been a leading provider of clinical information systems for government and commercial organizations, helping them deliver on the promise of transforming the health informa-

tion field - and achieve tangible value in real-world environments.

#### **Systems That Improve Medical Outcomes**

At Northrop Grumman, we understand the challenges of disparate health IT systems that haphazardly converge on a single patient for a single medical evaluation or treatment. Confusion. Delay. And in the worst case, medical error.

The systems we provide enable health providers to efficiently gather, analyze and propagate mountains of data, ensuring that the right information is available when and when it is needed. The result? Medical

providers have timely and accurate access to patient information at the point of care - and medical outcomes improve.

#### **Systems That Make A Difference Now**

Northrop Grumman helps the U.S. Department of Defense (DoD) conduct a global deployment of EHRs that is comprehensive, flexible and fast. This complex health IT system offers life-saving differences on the battlefield and advantages in regular medical interventions.

Other government and state clients turn to us for Health Information Exchange (HIE) programs that seamlessly transmit health data as part of a complete EHR.

Our experts help commercial organizations streamline their clinical research and development processes and structure medical safety terminology used in clinical trials.

#### **Trusted Support from a Proven Partner**

Northrop Grumman brings a unique blend of skills and experience to addressing your clinical information challenges.

**Scale.** For AHLTA, our company supports EHR deployment to more than 130,000 medical staff in more than 400 clinics and 65 military hospitals spanning 11 time zones worldwide. In any given week, AHLTA supports 2.2 million prescriptions, more than

***Northrop Grumman operates the largest electronic health system in the world.***

640,000 outpatient encounters and more than 19,000 inpatient admissions. The system stores more than 37TB of data covering over nine million beneficiaries.

**Security.** Relying on decades of security experience at the most sensitive levels of the U.S government and its allies, Northrop Grumman delivers cutting edge security that has never been breached.

**Privacy.** Our experts are fully versed on HIPAA requirements - from both a legal standpoint and from the real-world context of deployment.

**Interoperability.** Northrop Grumman operates the largest HIE between the DoD and VA, and is a recognized industry leader in interoperable IT solutions.

**Accuracy.** The company supports clinical interactions that are based on, and generate, highly computable EHRs, which are the standard for accurate clinical information.

**System and Software Development.** Northrop Grumman provides a full life-cycle system and software development capability that uses the Agile Methodology

**Training.** Northrop Grumman's full range of training services includes training program development (using industry best practices), web-based training systems, worldwide classroom and over-the-shoulder training.

### Experience on Major Health Initiatives

Northrop Grumman's health IT specialists have led the development of major clinical information systems and other health-related initiatives.

- AHLTA - DoD medical and dental information system, which provides service members and dependants with a lifelong EHR.



- Clinical/Health Data Repository (CHDR) Pharmacy Prototype - Exchanges patient, pharmacy, and allergy information securely and reliably between DoD and VA points of care.
- HealtheVet/HDR - Exchanges clinical data to provide services seamlessly to both TRICARE and HealtheVet beneficiaries.
- Federal Health/Bi-Directional Information Exchange (FHIE/BHIE) - This
- Congressionally mandated secure patient information bridge (HIPAA compliant) exchanges patient information between the VA and DoD clinical systems.
- MedDRA - Medical coding terminology used in clinical trials.
- Clinical Research and Development - Initiative to streamline clinical research processes for one of the top five life sciences companies.

### Delivering the Goals of Healthcare Reform

Northrop Grumman provides the unique experience and capabilities to provide clinical information system geared to your needs and those of healthcare reform. These systems supply a critical foundation for achieving:

- Improved healthcare and reduced medical errors.
- Faster, more cost-effective care delivery and less duplication of effort.
- Better information available to track public health problems and advance clinical research.

### Contact Us

For more information on Health Solutions, Clinical Information Systems

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### Visit Us Online!

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### Supporting Diverse Health Organizations

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