DLH

Your Mission is Our Passion

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Your Trusted Partner in Modeling, Simulation, and Training

DLH drives rapid progress in the modeling, simulation, and training market, providing the agility and expertise not just to perform analyses using existing statistical methods, but to develop new statistical methods tailored to emerging technologies and scientific challenges.

Capabilities

DLH leverages a deep technical and domain expertise in military health and NextGen technology to support the development and modernization of mission critical systems and solutions. By using open source and open architecture systems to develop and conduct models and simulations for medical training environments, we enable the rapid adoption of proven practices and improve coordination and consistency of care - strengthening warfighter readiness.

Advanced R&D

Our teams support innovative, cutting-edge research, implementing transformative R&D support services at the forefront of addressing urgent and emerging Military Health System requirements and operational needs. DLH experts devise intelligent, scalable systems that combine human knowledge and observations with machine learning and data.

Data Modeling

Builds complex simulations to study the properties of statistical methods for high dimensional datasets.

Exploration and Visualization

Develops interactive data exploration and visualization applications to facilitate rapid data processing, custom graphical displays and modern statistical analyses.

AI & Machine Learning ("ML")

Uncovers patterns and meaning behind data that may be missed with conventional methods

Robotics and Unmanned Systems

Supports the development and operation of autonomous vehicles and devices to support field evaluations in tactical environments

Human Factors & Performance

Partners with Department of Defense research labs, academia, and industry to support systems and device engineering in human performance and physiology

Key Customers

DHA Defense Health Agency

Certifications

ISO 9001:2015 — CERTIFIED —

ISO 20000-1:2018 — CERTIFIED —

ISO 27001:2013 — CERTIFIED —

CMMI DEV/3℠

CMMI SVC/3℠

FedRAMP

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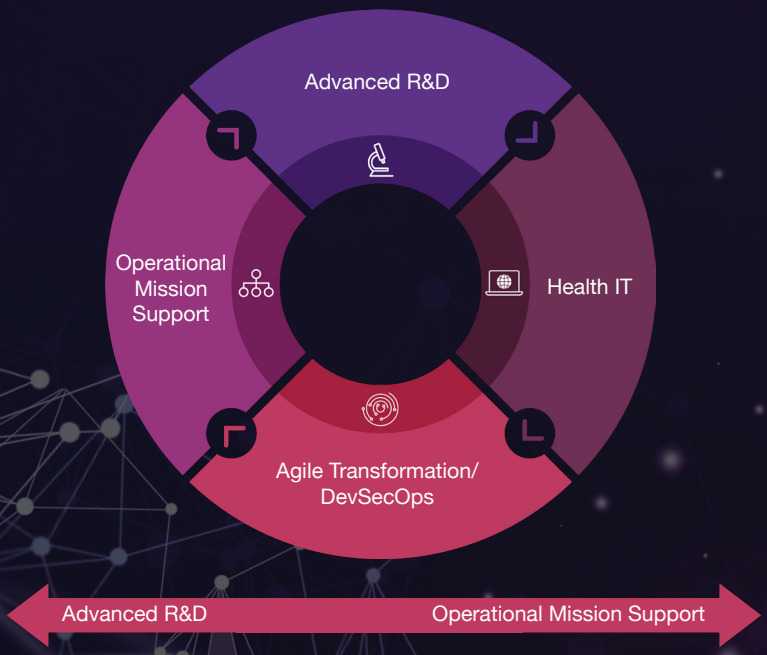
DLH military health solutions span the full continuum of care



Operational Mission Support

Our integrated approach leverages knowledgeable experts, flexible processes, and advanced technology solutions to help customers create efficient and high-performance programs.

- TBI/PTSD Support: Serves various stakeholders within the military health system through traumatic brain injury clinical research, education, data management, and monitoring/ evaluation
- Cross-Agency Integration: Provides range of management services to government clients at all levels of the organization, including projects, programs, cross-departmental initiatives or enterprise-wide
- Strategic Innovation and Planning: Utilizes knowledgeable experts, flexible processes, and advanced solutions to enhance operational performance

Agile / DevSec Ops

DLH supports a range of Agile and DevSecOps services that help agencies identify, analyze, and manage their organizational needs, improve project success rates and increase the value of development efforts through adoption of Agile best practices.

- Increased Efficiency Through Automation: Automates tasks to minimize risk and allow software development teams to concentrate on quality
- Providing Visibility Through Shared Information: Encourages the sharing of ideas between cross-functional teams, allowing for quicker resolution of issues
- Continuous Integration (CI) and Continuous Delivery (CD): Leverages cloud-based tools to deploy automated workflows across testing and production environments

Health IT

DLH uses cutting-edge technology to help customers make better and faster mission-critical decisions. Our approach is based on the infusion of innovative technologies with decades of healthcare experience and expertise.

- EHR Modernization: Provides innovative approaches to enhance and integrate data and applications to address healthcare industry EHR directives.
- Telehealth / Telemedicine: Integrates and prototypes cutting-edge technologies like robotics and unmanned systems to support clinical care in an operational environment
- Clinical and Scientific: Delivers research management, clinical, technical and scientific support services at Military Treatment Facilities throughout the U.S. as well as clinical sites globally
- Mobile Health: Rapidly plans, develops, and deploys mobile strategies and applications on various platforms tailored to a customer's needs
- Health Informatics / Data Analytics: Supports large, federal health and clinical care systems managing big data and performing data extraction and consolidation to ensure compliance

Real World Application

Twenty-plus years of conflict have yielded many advances in operational medicine. Medical simulators have rapidly evolved alongside a changing healthcare and battle space landscape. Designed to allow for users to learn and practice lifesaving skills in a safe, controlled environment, medical simulation allows theory to be applied and experience gained.

Today's learners have been exposed to realistic motion pictures and first-person games that offer a full immersive experience relying on the use of four senses: sight, sound, touch, and even scent.

To keep the learner engaged, it is imperative that simulation systems recreate a seamless immersion across all devices, activities, and contexts within a learning environment. Engaged learners have a higher retention rate, resulting in better applied skills in real-world situations. Virtual and augmented reality offer the ability to safely and effectively immerse the learner in an operational context, and provide a revolutionary new paradigm for military medical training.

Members of the DLH Team collaborated with various entities while working closely with the Defense Health Agency's (DHA) funded efforts within the DHA Medical Simulation Portfolio to advance these critical capabilities.