



Test. Validate. Refine.

DLH Innovating on Behalf of DHA's Vital Mission

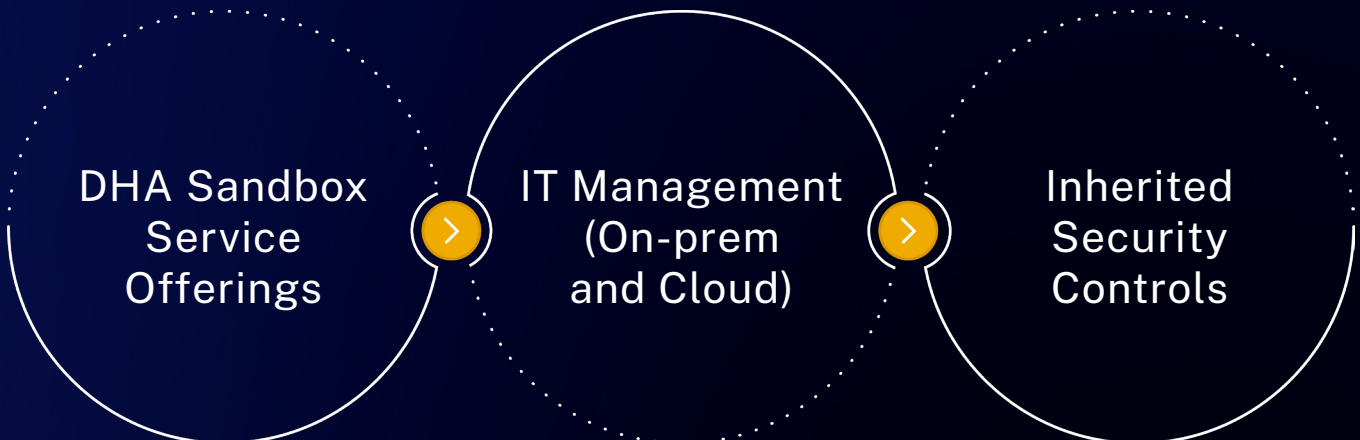
The Defense Health Agency's (DHA) Research & Engineering Directorate (DHA R&E) faces growing demands for rapid innovation in military healthcare. DLH can respond to this pressing need by offering a DHA Sandbox in San Antonio, an ATO accelerated, collaborative proving ground to test, validate, and refine medical solutions without disrupting day-to-day operations. This environment is a secure, isolated, on-premises facility, with integration points to the cloud and to the defense health infrastructure environment.

Military health care providers and industry will work together in this pre-production space to prototype and test tools and procedures to modernize IT, optimize hospital workflows, train personnel on special purpose medical equipment and battlefield treatments, and experiment with emerging technologies such as artificial intelligence (AI) and augmented reality (AR).

Partner Relationship Management



Secure Technical Services



A Flexible Architectural Concept

The sandbox could be installed in a hospital or a virtual setting that simulates hospital systems, using AI-infused modeling and high-speed processing for data analytics. The sandbox provides IT support around vendor equipment, letting both large and small industry partners collaborate with DHA on product development and testing in a pre-ATO environment, providing incremental “report cards” on SA&A progress as prototypes progress in an approved innovation project process.

The DHA Sandbox accelerates innovation through rapid prototyping, minimize real-world risks, allow clinicians to contribute without stepping away from patient care, maintain daily healthcare operations, deliver data-driven decision support, and leverages DevSecOps automation aligned Zero Trust Architecture requirements

Key benefits include improved readiness, cost efficiency, and:



Testing new workflows without patient risk, giving real-time feedback on new tools.



Enhancing patient outcomes by using Predictive Analytics to refine protocols.



Preparing all medics through scalable VR training for battlefield procedures and more.



Providing operational readiness by ensuring deployed solutions are cybersecurity-hardened.

Prototype examples include virtual testing of a new AI triage tool before deploying in a live combat zone, training Corpsmen on AR-guided battlefield surgeries remotely, simulating hospital surge operations during a flu pandemic, and more.

The DHA Sandbox empowers clinicians, doctors, and corpsmen to contribute strategically while performing their duties, accelerates innovation improving mission readiness, advances military healthcare outcomes and increases operational efficiency.

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