EHTI

EMERGING HEALTHCARE TECHNOLOGY INTEGRATION

The Simulation Learning, Education, and Research Network (SimLEARN), under the Office of Health for Discovery, Education and Affiliate Networks (DEAN), established the Emerging Healthcare Technology Integration (EHTI) Portfolio in 2020.

Emerging health technologies enhance the healthcare value chain by providing opportunities for increased engagement and access, ultimately creating unique opportunities to transform Veteran care. SimLEARN's newest innovation portfolio, EHTI, unifies emerging health technologies with simulation and learning to accelerate the effective use of emerging health technologies during care delivery.

The EHTI Portfolio seeks to answer questions from *How can emerging technologies, such as 3D printing, be leveraged to accomplish learning objectives and improve health outcomes for Veterans?* to *What is the role of clinical workflow simulation in assessing the safety, usability, and workflow integration of emerging technologies?*

MISSION
What we're doing today.

The EHTI Portfolio aims to accelerate the SimLEARN ecosystem's adoption of emerging health technology through simulation and learning, to optimize patient care and empower VHA as a learning health system. The portfolio has a unique focus on the integration of emerging health technology into clinical care through:

- Identifying solutions that advance the standard of clinical learning and simulation
- Informing VHA SimLEARN's curriculum development, focusing on emerging health technologies to improve care delivery
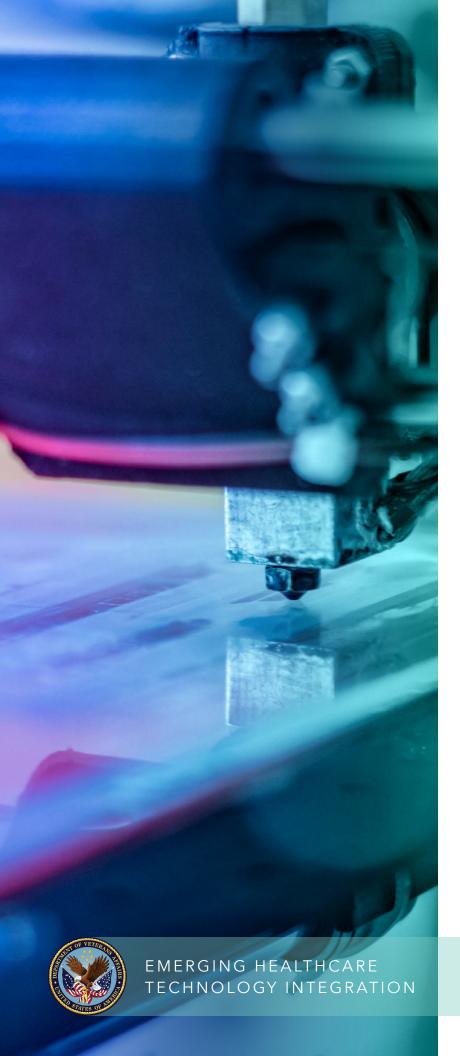- Optimizing workflows of emerging health technologies in a simulated, risk-free environment

VISION
What we'll do tomorrow.

The EHTI Portfolio envisions a future where Veteran care is continuously transformed through the integration of emerging health technology into clinical practice.

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PORTFOLIO SPOTLIGHT

Cerner Electronic Health Record (EHR) Sandbox Instance

In partnership with the Office of Electronic Health Record Modernization (OEHRM) and Office of Information & Technology (OI&T), the EHTI Portfolio is implementing a sandbox instance of the Cerner EHR at SimLEARN to aid in EHR optimization and tool proficiency.

Emerging Technologies Lab

The EHTI Portfolio is developing an emerging technologies lab within SimLEARN Orlando equipped with a range of mixed reality and 3D printing technologies to aid in the integration of EHT into clinical care, simulation, and learning.

Medivis

The EHTI Portfolio is leading the operationalization and curriculum development for Medivis, an augmented reality technology that uses artificial intelligence for surgical navigation and medical imaging.

5G at SimLEARN Orlando

In partnership with Verizon, the EHTI Portfolio is implementing an operational 5G system within SimLEARN Orlando.

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