



# The BEAT



THE NEWSLETTER OF THE SOLUTION DELIVERY DIVISION

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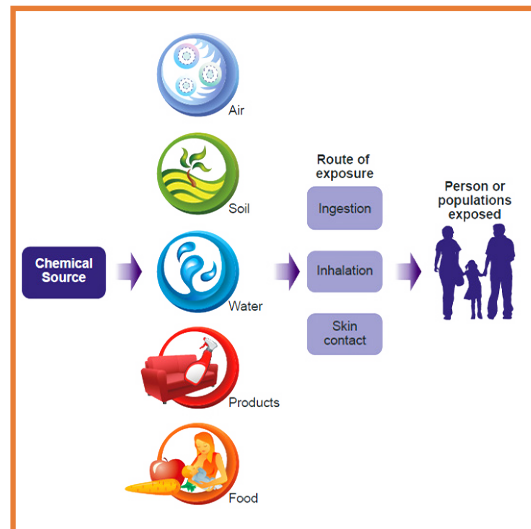
## ILER Pilot Improves Exposure Record Access

The Individual Longitudinal Exposure Record (ILER) pilot was launched on Oct. 1. ILER is a web-based application that provides the Department of Defense (DoD) and Department of Veterans Affairs (VA) the ability to view and analyze data on Service members' occupational and environmental exposures. The pilot product was released to forty users representing DoD and VA clinicians, epidemiologists and benefits adjudicators.

“The key features that users are assessing during this pilot include accessibility and ease of use, ability to search for exposure summaries for individuals and cohorts and whether the system provides actionable information to each specific user,” said ILER program manager Steve Jones.

ILER uses an Agile project management method designed to enable project teams to rapidly develop value-based functionality and content as users provide feedback on the system. The team engages users through instructor-led, web-based training sessions and feedback surveys. As data and input from user acceptance testing increase, training will also increase.

At full operating capability (FOC), ILER will allow the Military Health System to view more than 1.5 million exposure-related records through a single access point. The exposure data will enhance medical evaluations, health surveillance, health effects research and claims processing.



The process diagram above displays how a chemical travels through the environment and becomes an exposure.

“The ILER will provide very useful information to clinicians during evaluations, improve our ability to track potentially harmful exposures and improve force health protection, allowing us to take better care of our troops,” Jones added.

The ILER pilot is anticipated to end in September 2019, in time to support initial operating capability (IOC) sites scheduled to launch in October 2019. During IOC, ILER will be available to all clinicians, epidemiologists and researchers with a common access card or personal identity verification card. ILER will be integrated with MHS GENESIS after FOC.



# SDD AT-A-GLANCE



## SDD Portfolio

- The SDD portfolio delivers the functional benefits of information technology to drive health care to health
- Global reach in all military treatment facilities (MTF)
  - 55 hospitals, 5,519 beds
  - 393 medical clinics
  - 245 dental clinics

## Direct Impact to MTF Operations

- 9.5M beneficiaries with clinical data
- 95K+ active users, 125K+ end-user devices
- 150K+ new encounters daily
- Process nearly 25K requisitions and \$13M+ in medical supplies and pharmaceuticals daily
- Near real-time global medical surveillance
- Support patient safety, nutrition services, blood programs, occupational health, and more

## Clinical EHR Solutions

- AHLTA – outpatient EHR
- Essentris® – inpatient EHR
- CHCS – appointing and ancillary
- TOL Patient Portal and Secure Messaging
- EHR Sustainment – transition to new, modernized EHR
- HAIMS – artifacts and imagery
- EBMS – blood product management

## Business & Administrative Solutions

- DMHRSi – medical human resources
- DMLSS – medical logistics
- ESSENCE – syndromic medical surveillance
- JCCQAS – credentialing
- iMEDCONSENT – patient consent
- S3 – surgical scheduling
- JPSR - patient safety
- EIRB – research support
- CCE – medical coding assistance
- M2/MDR – data repository, management analysis and reporting

## Message from SDD Division Chief

Solution Delivery Division (SDD) teams are responsible for the maintenance of more than 70 information technology applications that support the delivery of health care to our Service members from the battlefield to the home front. Our Cover Story provided an overview of a pilot for one of those applications, the Individual Longitudinal Exposure Record, a system that allows users to view and analyze occupational and environmental exposure records. Keep reading to learn about some of SDD's other recent accomplishments.



COL Richard A. Wilson,  
Division Chief, SDD

The Feature Story highlights the transition of the Garrison Integration Lab to the Microsoft Azure Government Cloud. The move provides enhanced scalability and increased environment and data availability for end users and offers project teams the agility needed to make on-demand modifications to testing environments.

In our Program Management Office (PMO) Spotlight, you can read about

how our Enterprise Intelligence and Data Solutions PMO is helping the Defense Health Agency comply with National Defense Authorization Act requirements by successfully completing a strict health care quality audit. Next, in the Product Spotlight you will learn about how health information exchanges help increase patient data

sharing between military and civilian health care providers. Finally you can explore details about virtual training for the Joint Legacy Viewer, a system that plays a vital role in the transition from our legacy electronic health record to MHS GENESIS.

These articles are just a few highlights of the great work our teams have produced in the past quarter. Thank you for taking the time to learn more about SDD and the work we do each day. We are dedicated to our mission to support and advance military health care and honored to serve our 9.5 million Department of Defense beneficiaries.

*Happy Holidays*

Visit [SDD News](#) subscriber page to register for topics of interest.

# Garrison Integration Lab Transitions to Cloud



The Solution Delivery Division (SDD) Garrison Integration Lab was successfully transitioned to the Microsoft Azure Government Cloud in October. To date, the lab's transition to the virtual environment is the largest SDD cloud transition, which included more than 600 virtual machines and nearly 25 terabits of storage. The transitioned machines and storage support approximately 20 external partners. In addition to the cloud transition, the lab's bare-metal equipment was relocated to a government-owned data center space at Walter Reed National Military Medical Center.

"The transition to the Government Cloud is predicted to net an estimated 50 percent future sustainment cost savings and improve the lab's overall function," according to SDD project manager Lorri A. Bovain.

End user enhancements include on-demand scalability and increased environment and data availability. The enhancements provide project teams the agility needed to make

necessary modifications to their individual integration testing environments at a moment's notice to meet fluctuating organizational needs.

"Considering the recent Military Health System Information Technology Reform requirements to exponentially scale back spending, cloud scalability presents the flexibility of a pay-as-you-go model, exercising only those resources that will be used," Bovain said.

The Garrison Integration Lab is an integral part of the lifecycle process. It allows product teams, external and internal to SDD, to develop and test software in conjunction with an up-to-date AHLTA and Composite Health Care System environment, ultimately reducing the risk typically associated with software code deployments. The lab is used by several major legacy systems, including Essentris®, Health Artifact and Image Management Solution, APLIS (Cerner Copath) and the Enterprise Blood Management systems.



## SDD Wins Service Member Awards

Maj William Lunsford, United States Air Force, was recently named Service Member of the 3rd Quarter 2018 for both the Deputy Assistant Director Information Operations (DAD IO)/J-6 and the entire Defense Health Agency (DHA) in the Field Grade Officer category.

The DAD IO/J-6 and DHA Service Member award programs were developed to recognize Service members who performed their military duties in an outstanding manner, provided outstanding service to their community and demonstrated commitment to self-improvement during a particular period.

### 3rd Qtr CY18 J-6 and DHA Level Winner



Guy Kiyokawa, Deputy Director DHA, presents Maj William Lunsford with a DHA Certificate of Appreciation in the Defense Health Headquarters Pavilion during the FY18 4th Quarter DHA Recognition Ceremony on Nov. 20. The ceremony honored outstanding achievements, contributions and exemplary service of DHA personnel.

# SDD SPOTLIGHT

## PMO / BRANCH SPOTLIGHT: EIDS Successfully Completes HEDIS Audit

The Solution Delivery Division Enterprise Intelligence and Data Solutions (EIDS) Program Management Office recently completed the National Committee for Quality Assurance (NCQA)-certified annual Healthcare Effectiveness Data and Information Set (HEDIS) compliance audit.

The HEDIS tool, which uses more than 90 points of measurement, is one of the most widely used health care performance improvement resources. Completing the audit is an indicator of the DHA's ability to process reliable medical, beneficiary and provider information for accurate and automated performance measurement.

“Over a six-month period, we worked closely with the external audit team, submitted all requisite

technical codes and completed numerous audit queries,” explained Susan Chao, EIDS Analytics & Business Intelligence Branch lead.

NCQA is a non-profit organization dedicated to improving health care quality. Since its founding in 1990, NCQA has worked to drive improvement throughout the health care system, helping elevate the issue of health care quality to the top of the national agenda.



2018

## PRODUCT SPOTLIGHT: Health Information Exchange Connects MTF and Civilian Providers

The Solution Delivery Division Electronic Health Record Modernization (EHR Mod) Program Management Office supports Defense Health Agency (DHA) compliance with National Defense Authorization Act (NDAA) by providing health information exchange capabilities that enhance patient data sharing.

The NDAA directs the DHA to improve collaboration between military treatment facilities (MTFs) and civilian providers by establishing integrated health delivery systems that compile the entirety of a patient's health record regardless of the type of facility where they receive

care. It also allows eligible non-Military Health System (MHS) civilians and veterans to be treated at MTFs under specific circumstances that require MTF staff to access documentation from a civilian health care provider.

“Roughly 60 percent of MHS beneficiaries' health care is provided by civilian clinicians so naturally the NDAA requires the improvement of data sharing between civilian and MTF providers to have a single complete medical record,” explained Katharine Murray, EHR Mod program manager.

# DID YOU KNOW?

## Virtual JLV Training Is Available

Joint Legacy Viewer (JLV) training is available on Joint Knowledge Online. The virtual training assists military hospitals and clinics in improving the efficiency of health care they provide to Department of Defense (DoD) beneficiaries.

The course is designed to introduce new end users to the JLV application and its capabilities. It is also a great refresher training for existing users. JLV is a clinical application that provides an integrated, read-only display of health data from the DoD, Department of Veterans Affairs (VA) and private sector partners in a common data viewer. Thousands of DoD and VA clinicians use JLV daily to access real-time data in the treatment of their patients. The application also supports thousands of benefits administrators as they research patient medical histories to process claims.

For more information on JLV training, click [here](#).

