DEFENSE HEALTHCARE MANAGEMENT SYSTEMS

DHMS
Program Executive Office

CONNECTING TECHNOLOGY AND HEALTH

FISCAL YEAR 2017 ANNUAL REPORT

WELCOME

As the Program Executive Officer of the Program Executive Office, Defense Healthcare Management Systems (PEO DHMS), I would like to introduce our 2017 Annual Report, "Connecting Technology and Health."

Our mission is to transform the delivery of healthcare and advance data sharing through a modernized electronic health record (EHR) for our service members, veterans, and their families. Under this mission, we are responsible for the Department of Defense (DoD) EHR modernization, including the operational, data exchange, and interoperability initiatives. Our solutions improve clinical decision making and health data interoperability between the DoD, Department of Veterans Affairs (VA), and private sector partners.

This work is accomplished through our program management offices (PMO): the DoD/VA Interagency Program Office, the DoD Healthcare Management System Modernization PMO, and the Joint Operational Medicine Information Systems PMO. We believe the groundbreaking technology PEO DHMS acquired and will deploy, along with the appropriate training and processes, will positively impact our 9.4 million beneficiaries.

Holding true to our mission, I am amazed at the significant accomplishments of the entire PEO DHMS team! We successfully completed initial deployment of MHS GENESIS to our initial fielding sites in the Pacific Northwest, increased usage of the Joint Legacy Viewer by nearly 400 percent, doubled the number of Health Information Exchange partners, received approval for the Theater Medical Information Requirements Capabilities Development Document, and we continue to collaborate with the VA and offer lessons learned as they work on their Electronic Health Record Modernization initiative. These are just a few of our accomplishments, highlighting not only the work of our PEO DHMS team, but the incredible efforts of you, our stakeholders, who continue to support our mission.

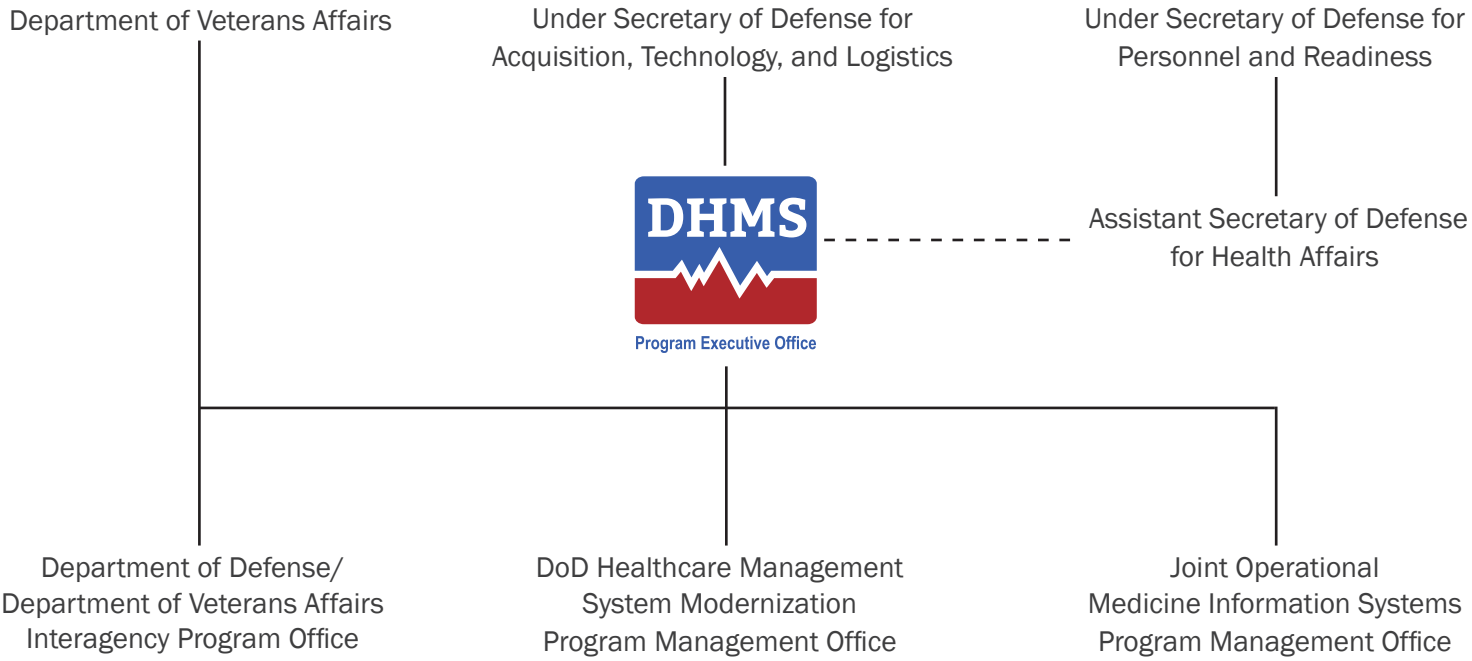
What an exciting year we've had at PEO DHMS! Enjoy reading how we connect technology and health.

Respectfully,

Stacy A. Cummings

Stacy A. Cummings
Program Executive Officer

ORGANIZATIONAL STRUCTURE



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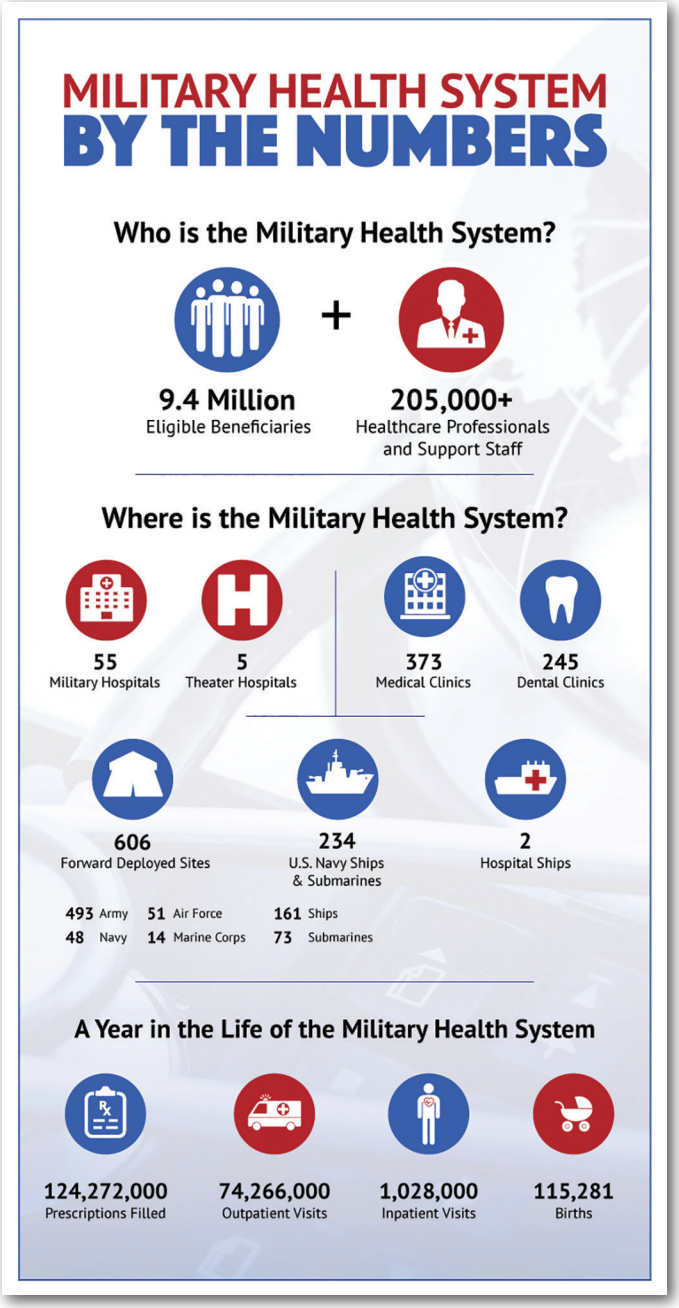
ABOUT US

The Program Executive Office, Defense Healthcare Management Systems is an acquisition organization that oversees three program management offices. These three offices acquire, deliver, and support information technology and services that enable interoperability and modernization of the Department of Defense's (DoD) electronic health record, establishing seamless medical data sharing between the DoD, the Department of Veterans Affairs, and the private sector.



STRATEGIC FRAMEWORK

MISSION STATEMENT

To transform the delivery of healthcare and advance data sharing through a modernized electronic health record for service members, veterans, and their families.

VISION

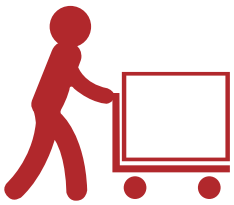
Driving the Global Exchange of All Health Information

Transforming Healthcare Through Acquisition Excellence

GOALS

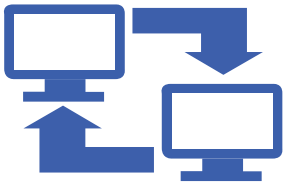
Deliver Capabilities

Successfully deploy MHS GENESIS, and other innovative IT solutions, to add value across garrison and operational environments



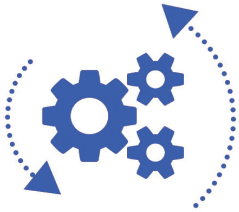
Advance Data Sharing

Improve interoperability and enhance data sharing among the Departments of Defense and Veterans Affairs, and the private sector throughout the continuum of care



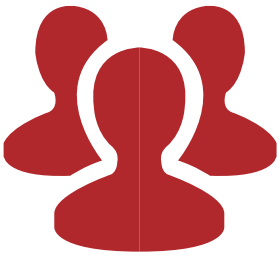
Strengthen Internal Management Process

Strengthen internal management processes and service delivery capabilities to promote acquisition excellence



Empower Workforce

Recruit and empower a high-performing workforce



MHS GENESIS GO-LIVE

DEPLOYMENT OF MHS GENESIS

In Fiscal Year 2017, MHS GENESIS launched at three Initial Operational Capability (IOC) sites in the Pacific Northwest. The first Go-Live occurred in February at Fairchild Air Force Base (AFB) after months of teamwork, preparation, and training by the DoD Healthcare Management System Modernization Program Management Office, the Leidos Partnership for Defense Health, and Fairchild AFB medical staff. MHS GENESIS also became operational at two other sites, Naval Health Clinic Oak Harbor and Naval Hospital Bremerton. The Program Executive Office, Defense Healthcare Management Systems (PEO DHMS) is hard at work on the next steps for the wave-model rollout of MHS GENESIS across the country and around the globe. Through the Go-Lives, PEO DHMS is furthering its efforts to connect technology and health.

The following quotations are from Stacy A. Cummings, Program Executive Officer, PEO DHMS.

Fairchild Air Force Base

February 7, 2017
Spokane, Washington
"This is an exciting milestone for the Department of Defense and the [Military Health System]. We have a responsibility to provide the best possible user experience to our beneficiaries and healthcare providers from day one. Today we delivered on that responsibility."

Naval Health Clinic Oak Harbor

July 15, 2017
Oak Harbor, Washington
"The Department of Defense and the Military Health System are excited to deploy MHS GENESIS at our second site in the Pacific Northwest. [Naval Health Clinic] Oak Harbor is the first inpatient facility to start using MHS GENESIS. Deployment at Oak Harbor brings an additional host of capabilities to our providers and beneficiaries such as maternity care, surgery, and blood transfusion management."

Naval Hospital Bremerton

September 23, 2017
Bremerton, Washington
"This deployment represents our third facility, and the second Navy facility in the Pacific Northwest to start using MHS GENESIS. Everything is going as expected and our team is committed to providing the best possible experience to our providers and beneficiaries from day one."

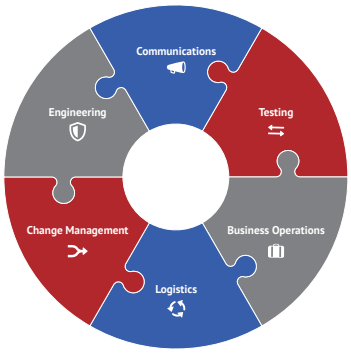
PROGRAM MANAGEMENT OFFICES

The Program Executive Office, Defense Healthcare Management Systems (PEO DHMS) oversees three program management offices (PMO). These offices acquire, deliver, and support information technology and services that enable data sharing and modernization of the electronic health record (EHR). Through their hard work, they are connecting healthcare technology and quality patient care to ensure the health of our service members, veterans, and their families.

DOD HEALTHCARE MANAGEMENT SYSTEM MODERNIZATION

The DoD Healthcare Management System Modernization (DHMSM®) PMO oversees the deployment of the Department of Defense's (DoD) new EHR, MHS GENESIS, and the operations and sustainment of the Joint Legacy Viewer. Its Defense Medical Information Exchange (DMIX) program provides technical solutions for seamless data sharing and interoperable EHRs.

DHMSM Identifies Lessons Learned



After the successful launch of MHS GENESIS at Fairchild Air Force Base (AFB), DHMSM held a Go-Live After Action Review to identify lessons learned and improve the Go-Live process for subsequent Initial Operational Capability (IOC) sites. Participants included representatives from the functional advisory council, the services, the Defense Health Agency, DHMSM, and the Leidos Partnership for Defense Health (LPDH). In addition, DHMSM participated in the Operational Medicine Model System Review at the Leidos facility in Vienna, Virginia to describe and refine workflow changes.

Operational Assessment in the Pacific Northwest

In May and June, DHMSM held the MHS GENESIS Operational Assessment (OA) at the Fixed Facility Government Approved Laboratory in Auburn, Washington. OAs are a DoD acquisition requirement for large programs with the intent to ensure the programs are releasing a high-quality product in the field.

A total of 36 clinical users from military treatment facilities across the world participated in the OA. These users interacted with MHS GENESIS as they would in real life by performing end-to-end scenarios representative of common circumstances faced by the Military Health System throughout the continuum of care. The results of the OA led to the decision to further deploy MHS GENESIS to the IOC sites.

DHMSM and DMIX Host Summit

DHMSM and its DMIX program held a summit in June to develop a plan to actively manage MHS GENESIS clinical documentation. The summit involved DHMSM and DMIX, with support from IOC sites and LPDH. Together, the team established a sustainable governance and process framework for clinical document management. The plan includes near-term solutions based on lessons learned at Fairchild AFB and recommendations for long-term document management.

DOD/VA INTERAGENCY PROGRAM OFFICE

The DoD/Department of Veterans Affairs (VA) Interagency Program Office (IPO) oversees the efforts of the DoD and VA to implement national health data standards for interoperability.

EHR Modernization and the Way Forward

A key priority of DoD/VA IPO is to encourage and enable collaboration across the DoD and VA by serving as a central resource for modernization and interoperability. In June 2017, Dr. David J. Shulkin, Secretary of the VA, announced his decision to adopt the same EHR as the DoD. With the VA's EHR modernization decision and PEO DHMS' ongoing deployment efforts of MHS GENESIS, DoD/VA IPO created the Joint Modernization Interoperability Hub. This team of clinical and subject matter experts is dedicated to facilitating the departments' interoperability and modernization efforts and addressing common health data sharing issues. As the departments continue to progress with their modernization strategies, collaboration is imperative to ensure the DoD and VA remain at the forefront of health IT and our beneficiaries continue to receive the best care available.

Industry Engagements

Throughout Fiscal Year (FY) 2017, DoD/VA IPO continued to build strategic relationships with public and private partners to position itself and the departments at the forefront of emerging health IT innovations, trends, and standards. DoD/VA IPO hosted roundtables, monthly town halls, and joint program synchronization workshops in collaboration with leaders from the DoD, VA, the Office of the National Coordinator for Health Information Technology, Health Level Seven® International, Advanced Technology Academic Research Center, and other public and private sector partners. These events brought together health IT experts from across the federal government and private sectors.

Maximizing collaboration with key industry leadership to advance interoperability, as well as emphasizing best practices and future strategies in health data exchange, not only increase DoD/VA IPO's visibility across the healthcare enterprise, but ultimately improve the health outcomes of deserving beneficiaries.

JOINT OPERATIONAL MEDICINE INFORMATION SYSTEMS

The Joint Operational Medicine Information Systems (JOMIS) PMO develops, deploys, and sustains MHS GENESIS and other integrated operational medicine information systems to deployed forces.

Operational Medicine Requirements

In February, the Joint Requirements Oversight Council approved the Theater Medical Information Requirements (TMIR) Information Systems Capabilities Development Document (CDD), establishing the operational medicine requirements that will guide JOMIS in the modernization of health information systems supporting deployed forces.

JOMIS Increment 1 will address the healthcare delivery requirement of the TMIR CDD by deploying MHS GENESIS to the operational community.

JOMIS began decomposing additional TMIR CDD requirements for future JOMIS increments into Requirements Definition Packages (RDP) in FY 2017. JOMIS hosted several working groups with the functional community to develop RDPs for Theater Blood and Patient Movement and is nearing completion on finalized packages for both.

Mobile Computing Capability Progress

In FY 2017, JOMIS made several improvements to the Mobile Computing Capability (MCC), the handheld first responder tool released in 2016. For the first time, JOMIS successfully transferred MCC encounters to the EHR over a WiFi connection, adding to the ability to transfer patient encounters through a USB connection. Additionally, JOMIS demonstrated MCC interoperability with MHS GENESIS and continues to progress toward fully interfacing with MHS GENESIS. JOMIS also piloted an MCC printing capability, giving users the ability to print a patient's Tactical Combat Casualty Care Card on a portable printer.

PRODUCTS

The Program Executive Office, Defense Healthcare Management Systems (PEO DHMS) and its program management offices (PMO) connect healthcare professionals and service members, veterans, and their families with quality healthcare information technology. PEO DHMS and its PMOs oversee the Department of Defense's (DoD) new electronic health record (EHR), MHS GENESIS; the Joint Legacy Viewer (JLV); the Mobile Computing Capability (MCC); and the Theater Medical Information Program-Joint (TMIP-J). Together, these products enable a spectrum of care for 9.4 million beneficiaries and ensure interoperability among the DoD, Department of Veterans Affairs (VA), and private sector healthcare worldwide.

MHS GENESIS

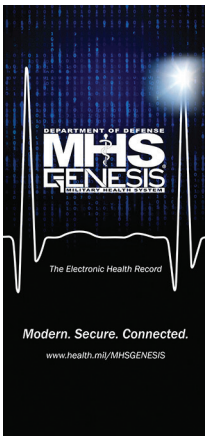
MHS GENESIS integrates inpatient and outpatient solutions that connect medical and dental information across the continuum of care. It enables standardized workflows, integrated healthcare delivery, and data standards for the improved and secure electronic exchange of medical and patient data.

"MHS GENESIS isn't just a technology. It's a transformation of culture and process that is powered by strong leadership from inside the MHS."

–Stacy A. Cummings, testimony before the U.S. Senate Appropriations Subcommittee on Defense, March 29, 2017

MHS GENESIS Patient Portal

MHS GENESIS Patient Portal is a secure website that allows beneficiaries to engage in their healthcare and be a part of their care team. With MHS GENESIS Patient Portal, beneficiaries can monitor their health information, update their patient profile, schedule medical and active duty dental appointments, exchange secure messages with their care team, request prescription renewals, and view lab and test results.



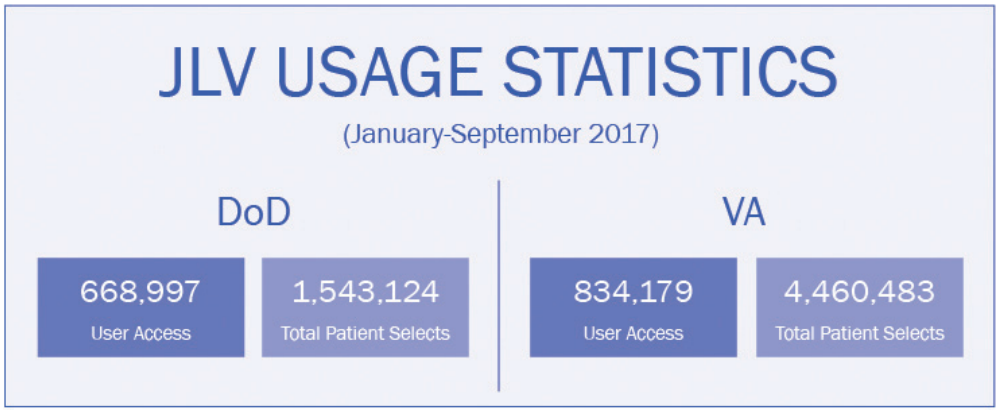
Modern. Secure. Connected.

Joint Legacy Viewer

JLV provides an integrated, read-only display of health data from the DoD, VA, and private sector partners in a common data viewer.

Fiscal Year (FY) 2017 accomplishments:

- JLV v2.6 deployed in September 2017, featuring multiple updates and enhancements.
- DoD user logins increased 80% and VA user logins increased 138% in September 2017 compared to October 2016.
- In September 2017, more than 36,000 active users from the DoD and the VA used JLV.



Mobile Computing Capability

MCC allows first responders to document patient status and treatments rendered at the point of injury, and access reference material and diagnostic and treatment tools.

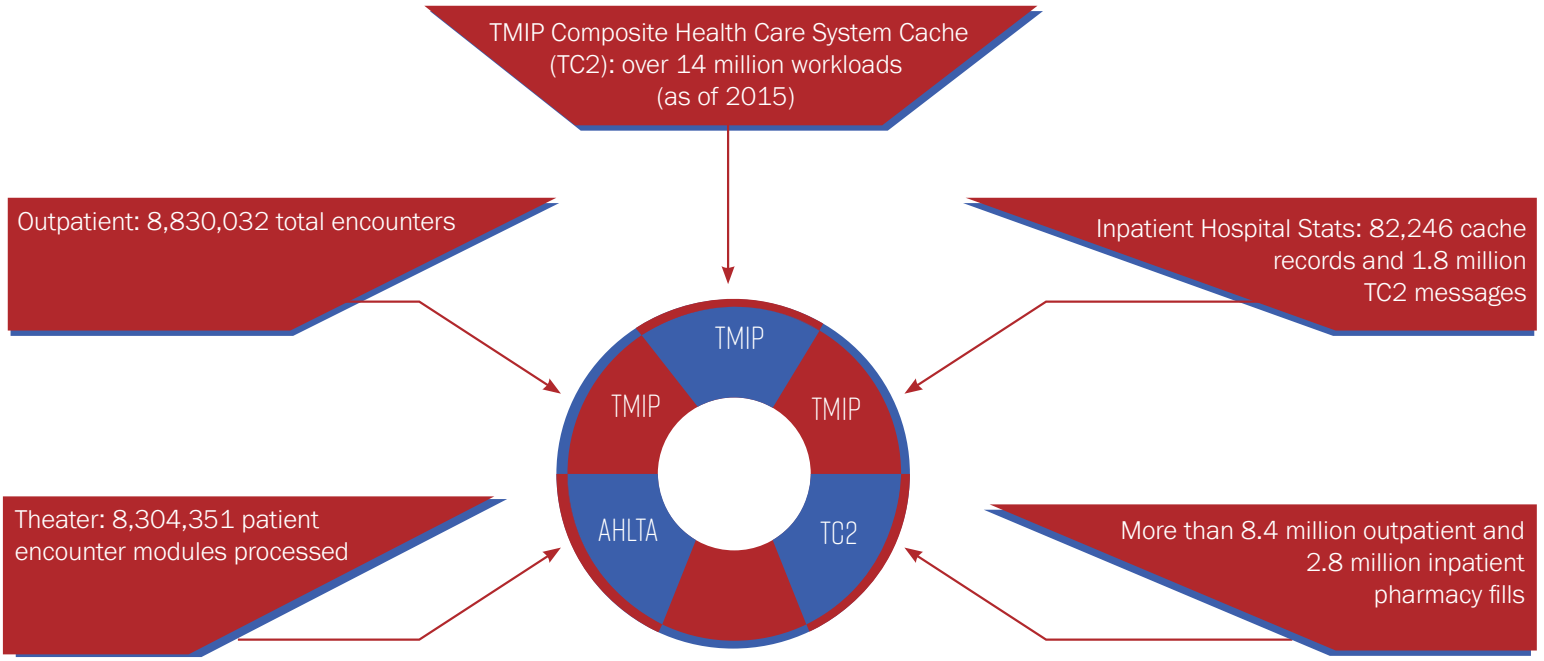
FY 2017 accomplishments:

- An MCC pilot demonstrated interoperability with MHS GENESIS.
- For the first time, the Joint Operational Medicine Information Systems (JOMIS) PMO successfully transferred MCC encounters to the EHR over WiFi connections.
- An MCC pilot capability allows users to print Tactical Combat Casualty Care Cards on a portable printer.

Theater Medical Information Program-Joint

JOMIS oversees the sustainment of the TMIP-J suite of software solutions. TMIP-J is now deployed at over 800 worldwide sites, with AHLTA-Theater in use at five theater hospitals, 599 forward resuscitative sites, 147 naval ships, and 70 submarines. FY 2017 TMIP-J highlights include completion of many user-requested change requests, progress in interfacing TMIP-J systems to MHS GENESIS, and several system sustainment releases.

TMIP-J Usage Statistics (1 January 2005 to 30 September 2017)



CONFERENCES

Conferences offer the Program Executive Office, Defense Healthcare Management Systems and its program management offices opportunities to connect with colleagues, discuss the benefits of MHS GENESIS as well as the progress of its deployment and lessons learned, and showcase our products and programs. Our staff made appearances and presentations at several healthcare information technology conferences and events in Fiscal Year 2017, including:

Defense Strategies Institute DoD/VA & Gov Health IT Summit
October 4-5, 2016

Armed Forces Communications and Electronic Association's (AFCEA) Bethesda Health IT Day
October 12, 2016

Cerner Health Conference 2016
November 14-17, 2016

Association of Military Surgeons of the United States (AMSUS) Annual Meeting
November 28-December 2, 2016

C5ISR Government and Industry Partnership Summit
December 6-9, 2016

Healthcare Information and Management Systems Society (HIMSS) Annual Conference and Exhibition
February 19-23, 2017

Military and Government EHR and HIT Symposium
April 20-21, 2017

FedScoop's Public Sector Innovation Summit
May 17, 2017

Defense Health Information Technology Symposium
July 25-27, 2017

IN THE NEWS

The Program Executive Office, Defense Healthcare Management Systems and MHS GENESIS appeared in several feature articles and numerous media outlets.

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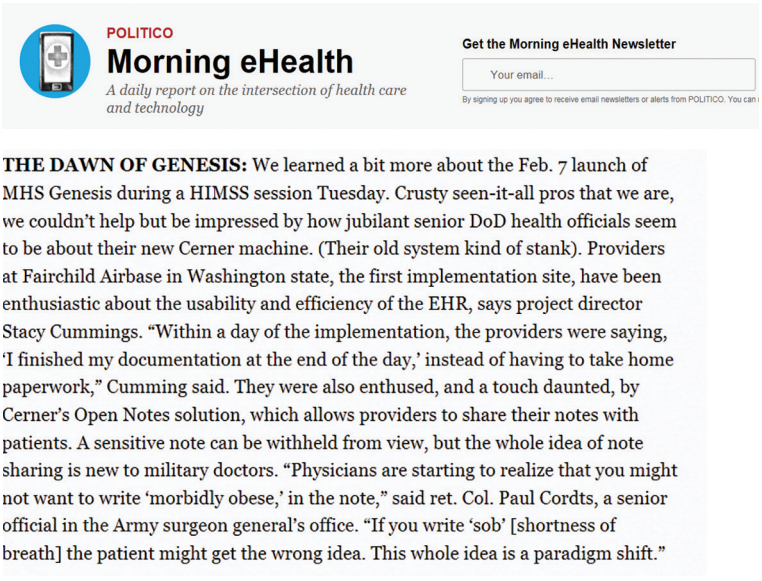
Health IT

DOD plugs in new electronic health record system

By Adam Mazmanian Feb 08, 2017

After almost four years on the drawing board, the military's new electronic health record system is live at Fairchild Air Force Base in Washington.



POLITICO

Morning eHealth

A daily report on the intersection of health care and technology

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THE DAWN OF GENESIS: We learned a bit more about the Feb. 7 launch of MHS Genesis during a HIMSS session Tuesday. Crusty seen-it-all pros that we are, we couldn't help but be impressed by how jubilant senior DoD health officials seem to be about their new Cerner machine. (Their old system kind of stank). Providers at Fairchild Airbase in Washington state, the first implementation site, have been enthusiastic about the usability and efficiency of the EHR, says project director Stacy Cummings. "Within a day of the implementation, the providers were saying, 'I finished my documentation at the end of the day,' instead of having to take home paperwork," Cumming said. They were also enthused, and a touch daunted, by Cerner's Open Notes solution, which allows providers to share their notes with patients. A sensitive note can be withheld from view, but the whole idea of note sharing is new to military doctors. "Physicians are starting to realize that you might not want to write 'morbidly obese,' in the note," said ret. Col. Paul Cordts, a senior official in the Army surgeon general's office. "If you write 'sob' [shortness of breath] the patient might get the wrong idea. This whole idea is a paradigm shift."

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DEFENSE

MHS Genesis continues its test rollout to second pilot site

SHARE

WRITTEN BY

Carten Cordell

JUL 18, 2017 | FEDSCOOP

The Pentagon has launched its electronic health records system at a second location five months after initiating its first pilot.

Defense Health Agency officials said Monday that the interoperable health system — Military Health System Genesis — is now operational at Naval Hospital Oak Harbor, a medical facility servicing more than 20,000 active and retired military and beneficiaries north of Seattle. The system is intended to combine record from multiple providers, including primary care doctors, pharmacies, laboratories, immunization services and dental clinics.

GOVERNMENT MATTERS

Archive About Topics

Pentagon reaches electronic health record milestone

By Colby Hochmuth | Published Sunday, February 26, 2017

A A A

Stacy Cummings, program executive officer for the Defense Healthcare Management Systems, and Dr. Paul Cordts, functional champion of the Military Health System, discuss the Pentagon's plans to expand the use of its MHS Genesis System.

Nextgov

TRENDING //

CLEARANCE BACKLOG // FBI'S CYBER STRATEGY // CX BILL // NIST'S SECURITY WOES // MICROSERVICES // 2020 CENSUS

NEWS CIO BRIEFING EMERGING TECH CLOUD CYBERSECURITY

DOD'S NEXT-GEN ELECTRONIC HEALTH RECORDS SYSTEM IS NOW LIVE AT ONE SITE

Micolas/Shutterstock.com

By Mohana Ravindranath
February 15, 2017
2 Comments

NEXTGOV NEWSLETTE
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A small piece of a years-long effort to revamp military health records is finally live, after a new IT system was deployed last week at an Air Force

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VA Secretary Promises Decision on Whether to Go to Commercial Health Records
10 Comments

HHS Posts Draft

FEDERAL NEWS RADIO

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Reporter's Notebook > DoD Reporter's Notebook > ...

DoD to mark first 'go-live' of its new electronic health record

By Jared Serbu @jserbuWFED
February 14, 2017 4:50 am
4 min read

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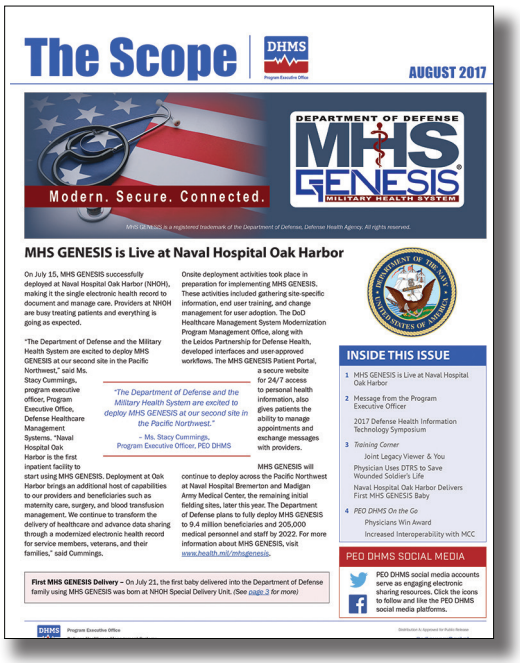
STAY UP TO DATE

The Program Executive Office, Defense Healthcare Management Systems (PEO DHMS) publishes *The Scope,* a quarterly newsletter, to spread the word about the latest efforts to transform the delivery of healthcare and advance data sharing for service members, veterans, and their families. *The Scope* features stories about PEO DHMS programs, products, and services; upcoming events; news from senior leadership; external announcements; the latest technical advancements; and more. To subscribe, visit https://public.govdelivery.com/accounts/USMHS/subscriber/new.



To learn more about PEO DHMS, its program management offices, and its products, visit health.mil/dhms. Be sure to check us out on Facebook at Defense Healthcare Management Systems and Twitter @DoD_EHR!

LEADERSHIP

Program Executive Office

Stacy A. Cummings
Program Executive Officer

As Program Executive Officer of the Program Executive Office, Defense Healthcare Management Systems (PEO DHMS), Stacy Cummings oversees the Department of Defense (DoD) electronic health record (EHR) modernization, including the operational, data exchange, and interoperability initiatives. Specifically, she provides direction to the following program management offices: the DoD/Department of Veterans Affairs (VA) Interagency Program Office (IPO), the DoD Healthcare Management System Modernization (DHMSM) Program Management Office (PMO), and the Joint Operational Medicine Information Systems (JOMIS) PMO.

Colonel Thomas Patrick "Pat" Flanders
Deputy Program Executive Officer

U.S. Army Colonel Thomas Patrick "Pat" Flanders is the Deputy Program Executive Officer-Acquisition for PEO DHMS. In this capacity, he oversees multiple program management offices, including DoD/VA IPO, DHMSM PMO, and JOMIS PMO. He also oversees the implementation of the acquisition lifecycle management framework, program management, requirements tracking, personnel and resource management, metrics, and contract management.

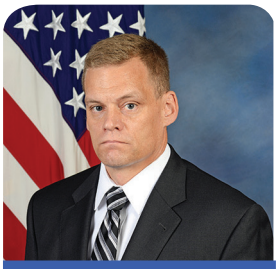
Capt. James Andrew Ellzy, MC, USN
Military Deputy Program Executive Officer

U.S. Navy Captain James Andrew Ellzy is the Deputy Program Executive Officer-Functional for PEO DHMS. In this capacity, Capt. Ellzy provides clinical and business direction in healthcare Information Management/Information Technology principles and approaches, as well as functional representation during interactions with internal and external stakeholders. Capt. Ellzy also oversees the DoD's EHR deployment and change management strategies.

Program Management Offices

Dr. Lauren Thompson
Director, DoD/VA IPO

Dr. Lauren Thompson serves as the Director of DoD/VA IPO. In this role, she leads the DoD and VA's efforts to implement national health data standards for interoperability and guides DoD/VA IPO as the single point of accountability for identifying, monitoring, and approving clinical and technical data standards and profiles. Further, Dr. Thompson leads DoD/VA IPO to ensure the seamless integration of health data between the two departments and private healthcare providers.



Craig Schaefer
Program Manager, DHMSM PMO

Craig Schaefer serves as Program Manager for DHMSM PMO. In this role, he provides acquisition leadership and management expertise to support the deployment of the state-of-the-market EHR, MHS GENESIS. He boasts numerous contributions to healthcare improvement, demonstrating a commitment to advancing quality healthcare for service members, veterans, and their families.

Claire Evans
Program Manager, JOMIS PMO

Claire Evans is Program Manager for JOMIS PMO. She is responsible for the acquisition, development, and deployment of MHS GENESIS and other integrated operational medicine information systems for the delivery of comprehensive health services to the deployed forces across the range of military operations. She is also responsible for the sustainment and transition of the legacy Theater Medical Information Program-Joint into MHS GENESIS.

ACRONYMS

AHLTA: DoD's Outpatient Electronic Health Record

CDD: Capabilities Development Document

DHMSM: DoD Healthcare Management System Modernization
DMIX: Defense Medical Information Exchange
DoD: Department of Defense

EHR: Electronic Health Record

FY: Fiscal Year

IOC: Initial Operational Capability
IPO: Interagency Program Office

JLV: Joint Legacy Viewer
JOMIS: Joint Operational Medicine Information Systems

LPDH: Leidos Partnership for Defense Health

MCC: Mobile Computing Capability
MHS GENESIS: DoD's Modernized Electronic Health Record

OA: Operational Assessment

PEO DHMS: Program Executive Office, Defense Healthcare Management Systems
PMO: Program Management Office

RDP: Requirements Definition Package

TC2: TMIP Composite Health Care System-Caché
TMIP-J: Theater Medical Information Program-Joint
TMIR: Theater Medical Information Requirements

VA: Department of Veterans Affairs

NOTES

DHMS

Program Executive Office

TRANSFORMING HEALTHCARE THROUGH ACQUISITION EXCELLENCE