



The Office of the National Coordinator for  
Health Information Technology

## DoD/VA Interagency Program Office

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Achieving Seamless Care Through Health Data Interoperability

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At the conclusion of this session, the participant will be able to:

1. Provide a deeper understanding of the Military Health System and the Veterans Health system environment
2. Obtain an overview of the role of the DoD/ VA Interagency Program Office
3. Discuss current data sharing initiatives between DoD, VA, and their private sector partners
4. Discuss the ongoing collaboration with industry partners to serve the unique needs of service members, veterans, and their families



**9.4M Eligible Beneficiaries\***

**7.9M Annual Visits\***

Unique patients treated in FY2017

*\*Source: 'Evaluation of the Tricare Program: Access, Cost, and Quality; Fiscal Year 2018 Report to Congress*



**9.12M Eligible Beneficiaries\*\***

**6.41M Annual Visits\*\***

Unique patients treated in FY2017

*\*\*Source: VA Benefits & Health Care Utilization Pocket Card at <http://www.va.gov/vetdata/docs/pocketcards/fy2018q4.pdf>*

## FY19 IPO Mission

Advance data interoperability across DoD, VA, and other partner systems worldwide.

“The purpose of the Office shall be to **jointly oversee and monitor the efforts** of the Department of Defense and the Department of Veterans Affairs in implementing national health data standards for interoperability and **act as the single point of accountability for identifying, monitoring, and approving** the clinical and technical data standards and profiles to ensure seamless integration of health data between the two Departments and private health care providers. The Office **shall support national interoperability efforts** by closely collaborating with the Office of the National Coordinator for Health Information Technology.”

— IPO Charter, March 2016



# IPO Jointly Oversees DoD and VA's Implementation of Health Data Standards

**Dec. 2007:** The NDAA for FY08 directs DoD/VA to develop a fully interoperable electronic healthcare system and establish the IPO.

2007

**Mar. 2011:** The Secretaries of Defense and VA instructed DoD/VA to develop a new single, joint integrated electronic health record (iEHR).

2009

**Jan. 2009:** Pursuant to FY08 NDAA, the IPO completes its charter and articulates its mission and functions with respect to attaining interoperable electronic health data.

2011

**Mar. 2013:** The IPO was re-chartered to lead DoD/VA efforts to implement national health data standards for interoperability, and to establish, monitor and approve clinical and technical standards to integration of health data between the two Departments and the private sector.

2013

**Feb. 2013:** The Departments decide to change course and pursue the modernization of individual systems, which included the decision of the DoD to replace its current AHLTA system and VA to modernize its existing VistA health information system.

**Jun. 2018:** The Joint Executive Committee (JEC) formally establishes the DoD/VA Interagency IT Steering Committee, where IPO serves as the Executive Secretariat.

2018

**Sept. 2018:** The JEC approves the IPO to serve as the facilitator for the Joint EHR Modernization governance process and the establishment of three new governance bodies – a Joint Functional Governance Board, Joint Technical Governance Board, and Joint EHR Decision Board.

# IPO's Core Purpose & Priorities



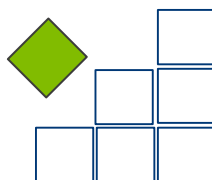
# What is interoperability?

**Interoperability:** The ability of two or more systems or components to exchange information and to use the information that has been exchanged

For interoperability, data needs to conform to standards for three distinct aspects:



**Terminology**



**Content Structure**



**Exchange Methods**

\*The IPO bases its definition of interoperability on the following definition presented by the Institute for Electrical and Electronic Engineers (IEEE): “The ability of two or more systems or components to exchange information and to use the information that has been exchanged.” See IEEE Standard Computer Dictionary: A Compilation of IEEE Standard Computer Glossaries (New York, NY: 1990).

# DoD and VA: Interoperability Today



16M+

Correlated  
Patients

422K+

DoD and VA  
Clinicians

1.5M

Data Elements  
Exchanged Daily





# Current DoD/VA Health Data Interoperability

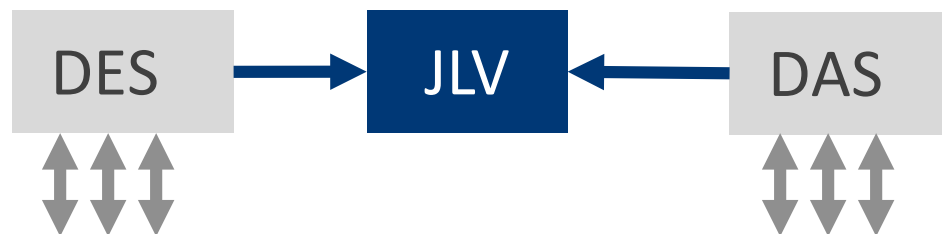
## Allergies & Medications



## Service Treatment Record



## Health Record Display

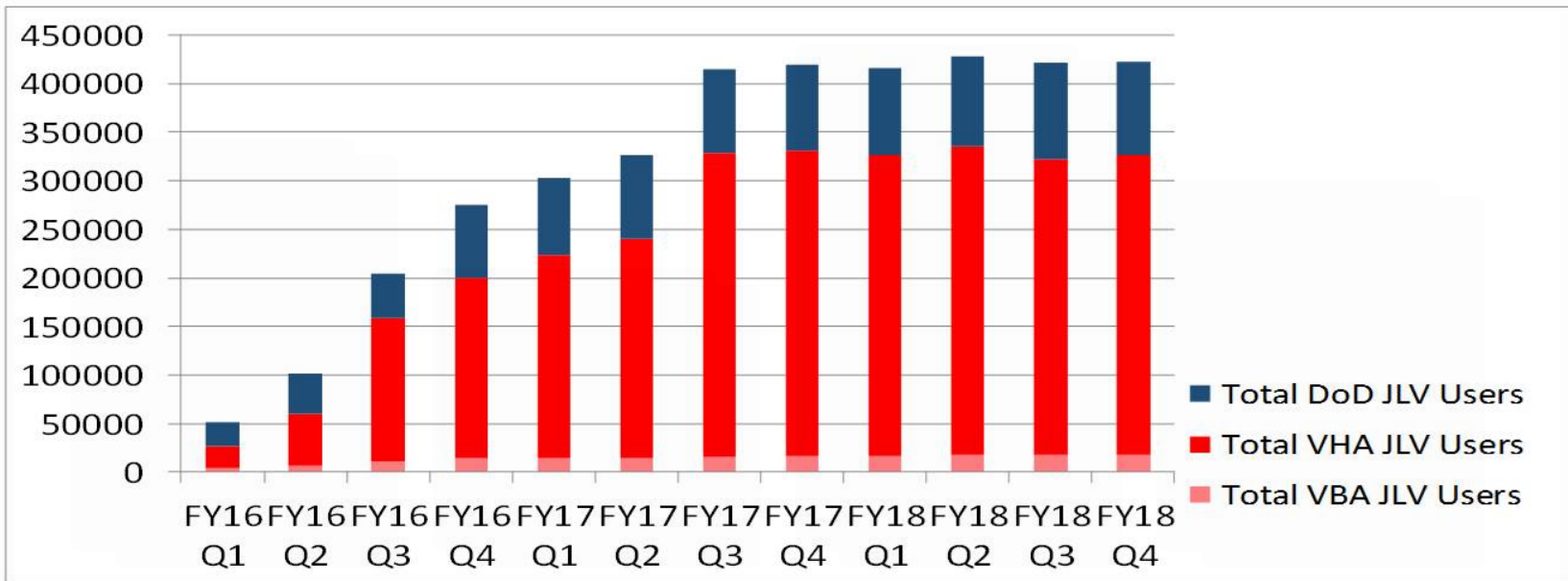


Many other systems, including civilian hospitals



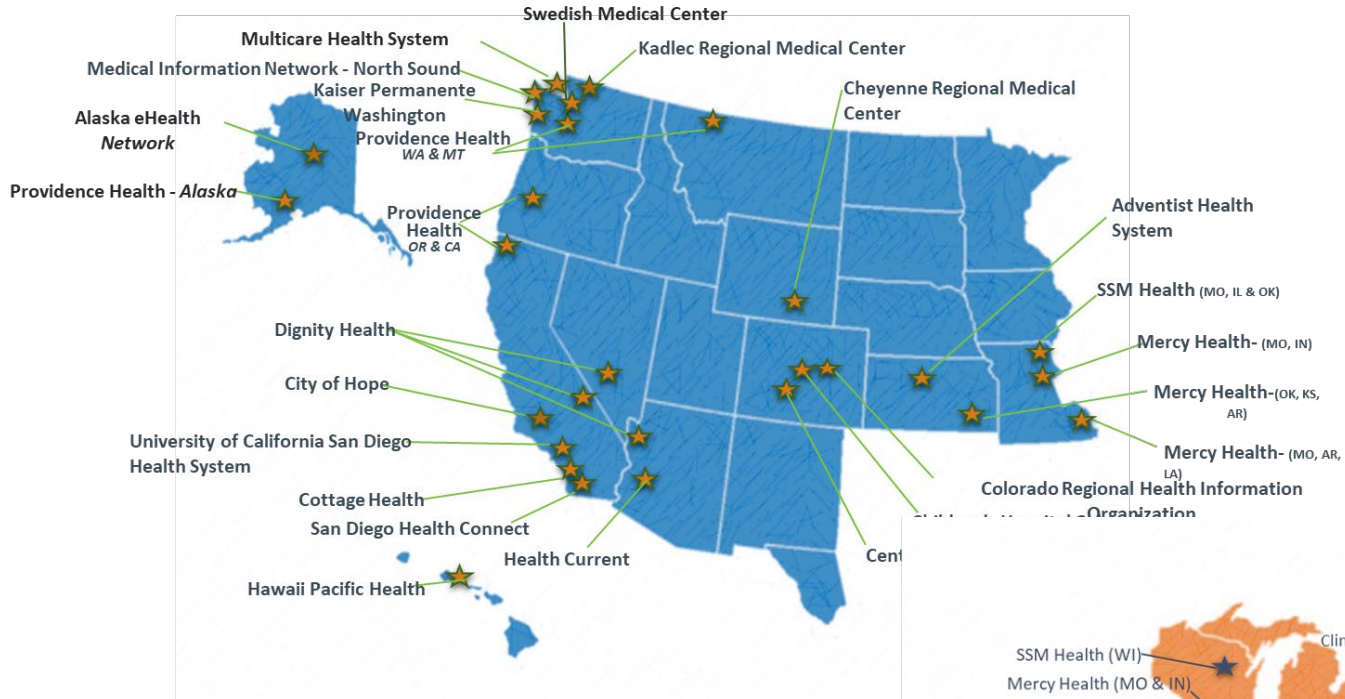
# DoD and VA JLV Expansion

In 2013, the Departments deployed the Joint Legacy Viewer (JLV) to nine pilot sites, providing an integrated view of DoD and VA clinical information. As of the end of FY 2018, there are more than 422,000 total JLV users from DoD, VHA, and VBA.



Total	FY16 Q2	FY16 Q3	FY16 Q4	FY17 Q1	FY17 Q2	FY17 Q3	FY17 Q4	FY18 Q1	FY18 Q2	FY18 Q3	FY18 Q4
Total DoD JLV Users	40,473	46,036	75,346	79,611	81,351	86,250	88,345	89,510	92,642	99,099	96,187
Total VHA JLV Users	53,927	147,166	186,104	209,503	225,524	313,267	315,199	309,973	318,583	305,029	308,529
Total VBA JLV Users	6,707	10,982	14,052	14,335	14,555	15,104	16,069	16,559	17,058	17,294	17,654
Total VA JLV Users	60,634	158,148	200,156	223,838	240,079	328,371	331,268	326,532	335,641	322,323	326,183

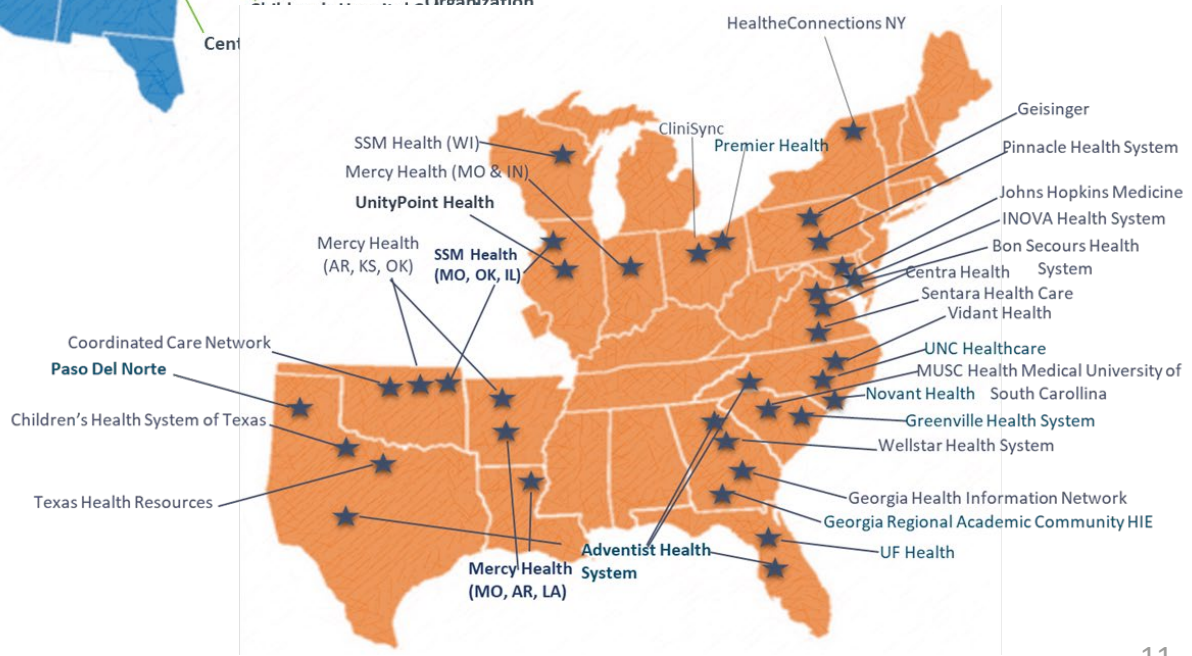
# Health Information Exchange Community Care Partners (DoD)



★ **Onboarded HIE**  
\*As of October 2018

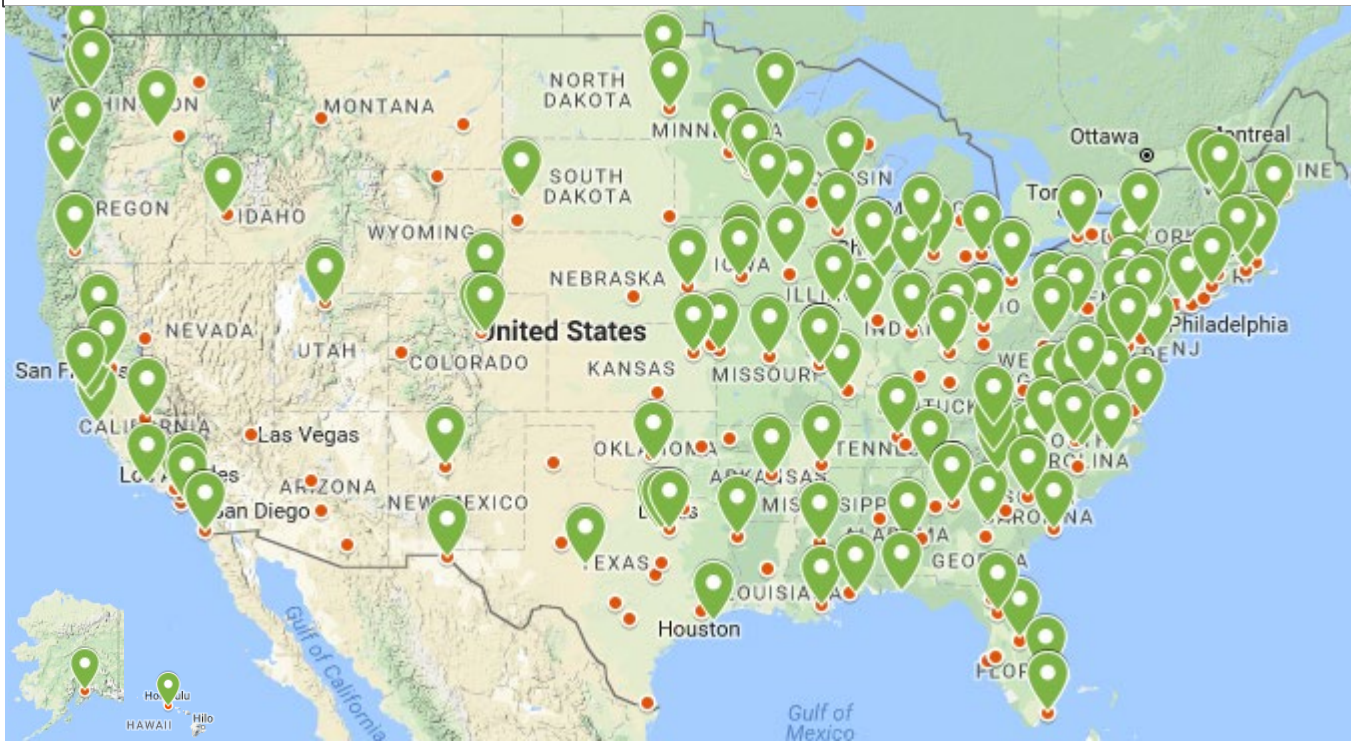
**57**  
**Exchange Partners**  
**Onboarded**

★ **Onboarded HIE**  
\*As of October 2018



# Health Information Exchange Community Care Partners (VA)

**Value:** Over **2,471,416** unique Veteran patients\* supported by bi-directional health information exchange with **185** Community Care Partners that support the following types of healthcare facilities.



Production Partners



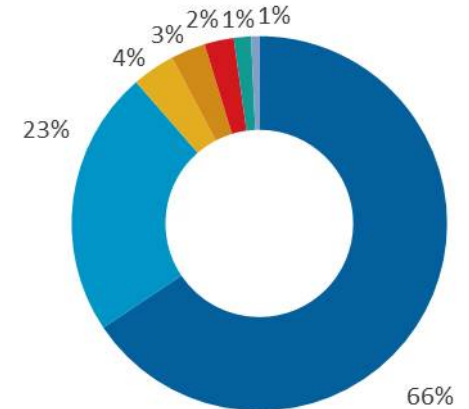
VA Medical Centers



\*As of end of October 2018

## Exchange Partner Demographics

- Clinics - 25,003
- Pharmacies - 8,758
- Hospitals - 1,413
- Other Ancillary Sites - 1,136
- Labs - 962
- FQHCs - 567
- Nursing Homes - 266



# Modernization Strategy

- In July 2015, the DoD awarded a contract to Leidos Inc. to deliver a modern, interoperable EHR.
- In May 2018, the VA awarded a contract to the Cerner Corporation to adopt the same EHR platform as DoD and established the Office of the Electronic Health Record Modernization (OERHM).

*As the Departments move forward with their EHR modernization efforts, the IPO will continue to support interoperability and modernization goals to ensure our veterans and transitioning service members receive seamless healthcare.*



# Metrics We Collect

- Metrics currently collected by the IPO track system utilization, engagement with the private sector, patient record access, improving clinical care, and systems readiness and availability

Metrics Category	Metrics
Improving the Utilization of Interoperability Tools	Registered/Active Joint Legacy Viewer (JLV) Active Users, JLV User Logins, JLV Usage Counts, JLV Records Viewed
Patient Record Access	Blue Button (BB) Views, BB Downloads, Monthly Unique BB Users, Unique BB Users Since Inception
Growing Private Partner Interoperability	Number of Virtual Lifetime Electronic Record (VLER) Health Information Exchange (HIE) Transactions, Number of VLER HIE Partners Onboarded
Improving Clinical Care Transition	CHDR Clinical Data Update Success Rate DoD-to-VA and VA-to-DoD
System Readiness and Availability	Data Availability, JLV Operational Availability

# Outcome Oriented Metrics

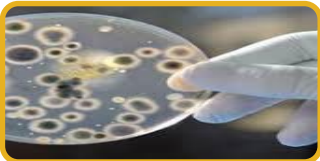
- The Outcome Oriented Metrics program targets metrics for the following four key joint DoD/VA interoperability use cases:



**Separating Service Members:** Improve the rate of benefits delivery at discharge for service members filing pre-discharge disability claims.



**Patient Empowerment:** Improve patient engagement through the effective use of patient portal access to electronic health records for preventative screening and care management.



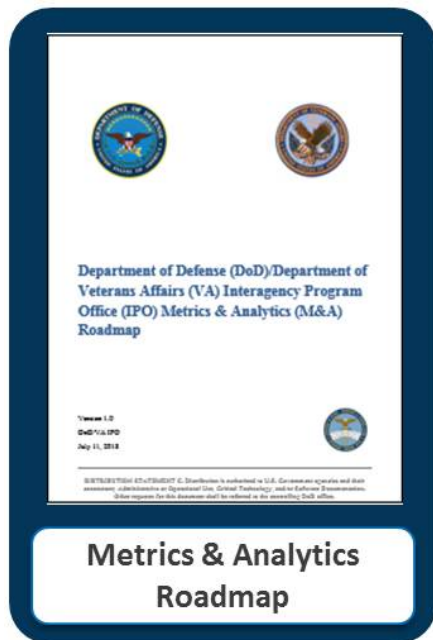
**Population Health:** Establish baselines for the evaluation of an interagency care model for the treatment of multidrug-resistant organisms.



**Transitions of Care:** Improve satisfaction and reduce the rates of duplicate procedures and images for patients transitioning between DoD and VA.

# Metrics & Analytics Roadmap

- Developed by the IPO, in coordination with the Departments, to articulate the joint approach to define, identify, and measure the Departments progress towards achieving interoperability and interoperability's longer-term impact on patient healthcare.



JISP  
Monitoring &  
Reporting

Transactional  
Metrics

Outcome  
Oriented  
Metrics

EHR  
Modernization  
Metrics

Standards  
Compliance  
Metrics



## Partnerships

The Office of the National Coordinator for Health Information Technology



Private Sector



## Seamless Interoperability

Key health data of service members, veterans, and their beneficiaries' is consistently available to the right people at the right time across organizations to support a patient-centric healthcare experience, seamless care transition, and improved healthcare delivery.

# Questions?



*Please visit IPO's exhibit table at the 2018 ONC Annual Meeting!*

## Learn More



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The Office of the National Coordinator for  
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***Advancing the interoperability capabilities of  
today and addressing the technological  
challenges of tomorrow***

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