DoD/VA Interagency Program Office

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

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.

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


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.

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.

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

![Diagram showing governance and reporting priorities](Image)

- **Interoperability Going Forward**
- **Governance & Management**
- **Terminology & Standards**
- **Measure & Monitoring**
- **Standards**
- **Best Practices**

**Governance & Reporting**

- FY14 NDAA Requirement
- Joint Interoperability Strategic Plan (JISP)
- Health Data Interoperability Management Plan
- Healthcare Information Interoperability Technical Package (HITP)
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

- CDR
- CHDR
- HDR

Service Treatment Record

- HAIMS
- VBMS

Health Record Display

- DES
- JLV
- DAS

Many other systems, including civilian hospitals
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.

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

*Onboarded HIE*

*As of October 2018*

57

Exchange Partners Onboarded

Onboarded HIE

*As of October 2018*
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.

*As of end of October 2018
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

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

**Partnerships**

**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.

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The Office of the National Coordinator for Health Information Technology

Private Sector
Please visit IPO’s exhibit table at the 2018 ONC Annual Meeting!
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Advancing the interoperability capabilities of today and addressing the technological challenges of tomorrow

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