

2016 Defense Health Information Technology Symposium

Interoperability: Sharing healthcare data through the Virtual Lifetime Electronic Record (VLER)/Health Information Exchange (HIE) Initiative



“Medically Ready Force...Ready Medical Force”

“A joint, integrated, premier system of health, supporting those who serve in the defense of our country.”

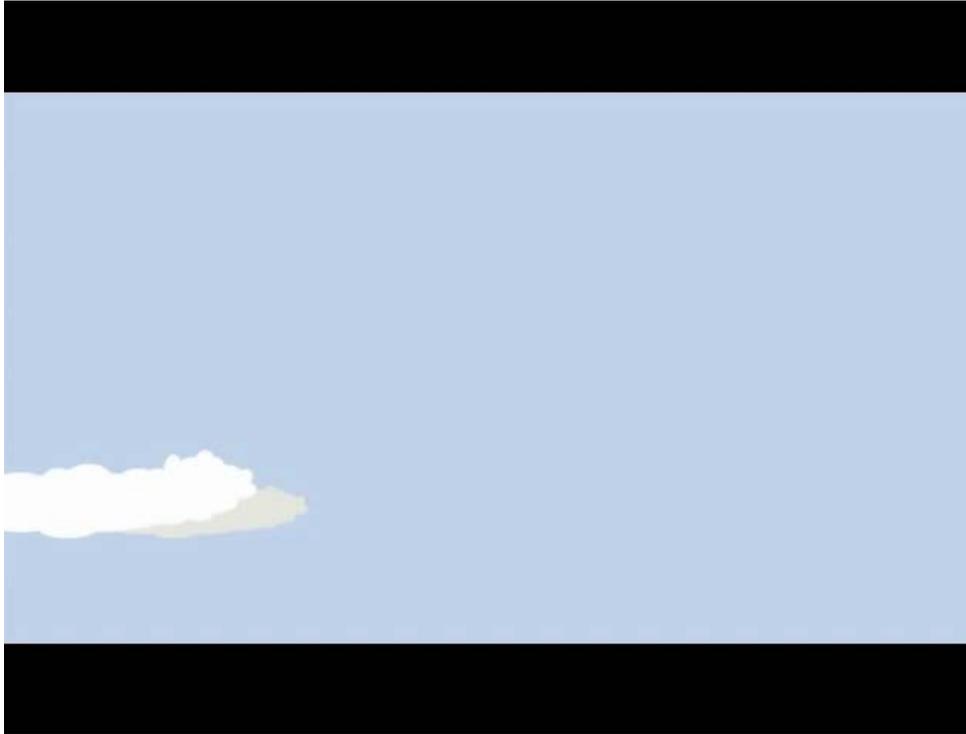


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Learning Objectives

1. Define and explain health information exchange
2. Why sharing data improves healthcare and decreases costs
3. Describe the Virtual Lifetime Electronic Record/Health Information Exchange (VLER/HIE) Initiative
4. Understand where to find information that is available on VLER/HIE

Introduction to the VLER/HIE Initiative



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Agenda

- What is the VLER/HIE Initiative?
- What value is the VLER/HIE Initiative to you and your patients?
- What data is shared through the VLER/HIE Initiative?
- How does my facility become part of the VLER/HIE?
- What guidance is available to my MTF?
- What communication artifacts are available to my providers and patients?



Interoperability is a National Priority

On April 9, 2009, President Obama directed DoD and VA to create a Virtual Lifetime Electronic Record that:

“will ultimately contain administrative and medical information from the day an individual enters military service throughout their military career and after they leave the military.”

-President Barack Obama



Military Health System (MHS) top health IT priorities:

- Modernizing the Electronic Health Record
- Expanding Interoperability/Health Information Exchange

What is Health Information Exchange?



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- Health Information Exchange allows participating healthcare providers from different healthcare delivery organizations to appropriately access and securely share your patients' medical information electronically
- Through the DoD and civilian partner HIEs, healthcare information can follow your patients whenever and wherever it is needed
- Digitally exchanging your patients' medical information makes it possible for all participating healthcare providers to gain access to the same information

What is the eHealth Exchange?

- The eHealth Exchange (eHX) is a rapidly growing HIE network for securely sharing clinical information over the Internet nationwide
- Federal Partners came together to sign a common data sharing agreement called the DURSA (Data Use Reciprocal Support Agreement)
- Participants include large provider networks, hospitals, pharmacies, regional HIEs, and many federal agencies



Four federal agencies
(DoD, VA, HHS including
CMS, and SSA)



All 50 states



8,300 pharmacies



13,000 medical groups



40% of U.S. hospitals



Supporting more than
100 million patients



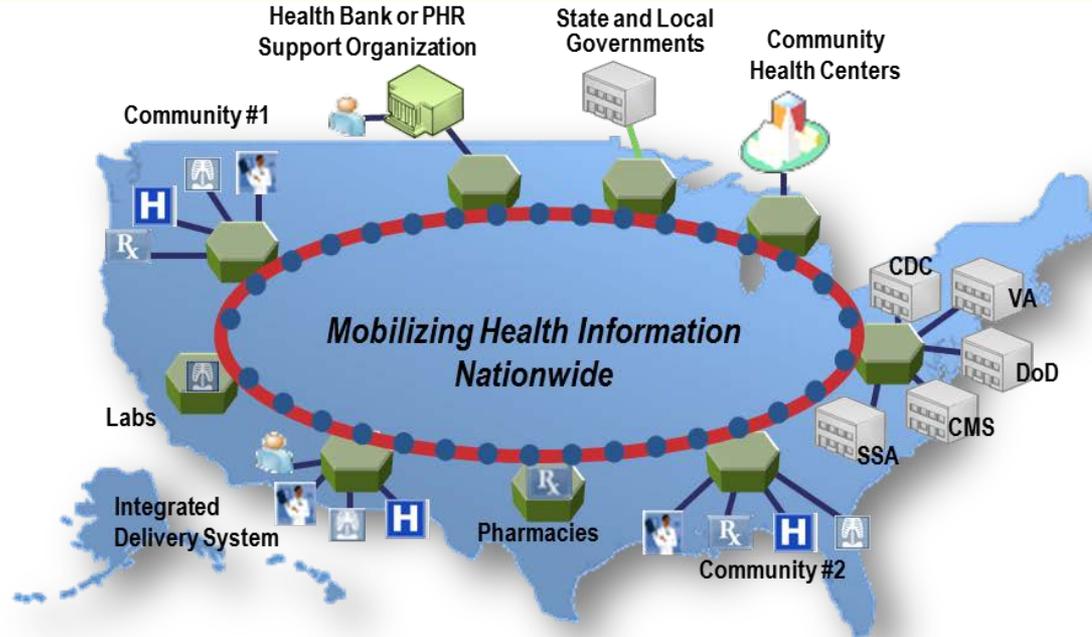
3,400 dialysis centers

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What is the VLER HIE Initiative?

- Through partnership with the eHealth Exchange, the DoD VLER/HIE Initiative joined national efforts to securely share MHS beneficiary healthcare information electronically with other Federal and private sector partners from which MHS patients may receive healthcare or benefits
- This aligns with the MHS Strategic Goals to provide safe, quality care for all its beneficiaries

What is the VLER/HIE Initiative (continued)



- The Internet
- Standards, Specifications and Agreements for Secure Connections

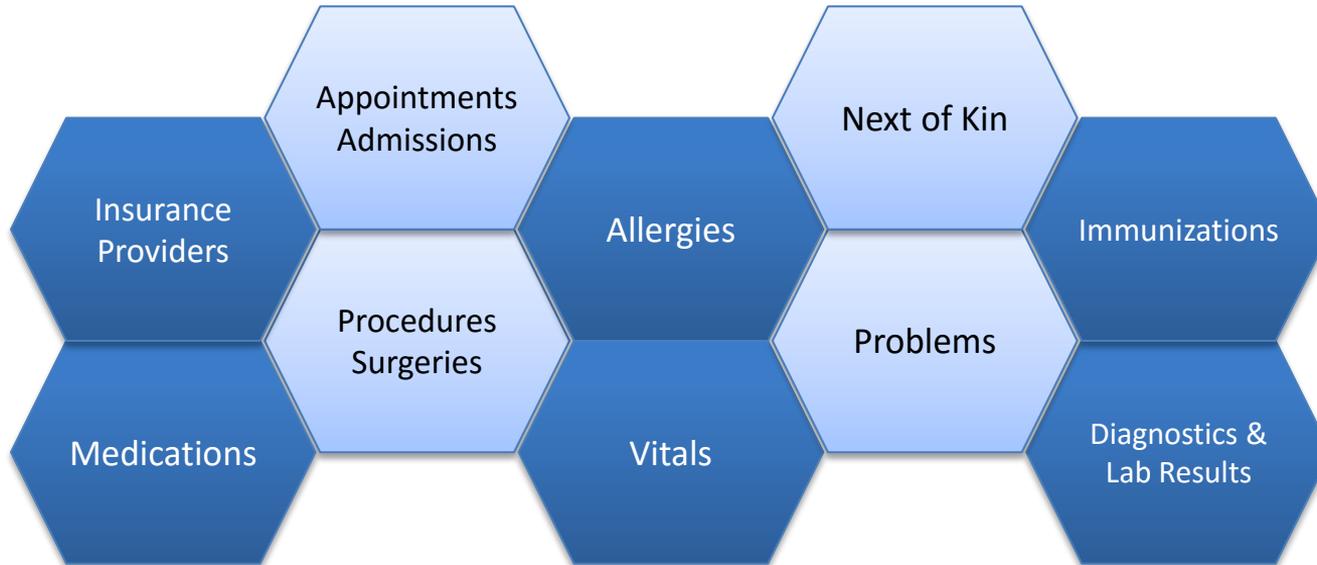
CDC – Centers for Disease Control & Prevention Services
CMS – Centers for Medicare & Medicaid
PHR- Personal Health Record
SSA – Social Security Administration

VLER/HIE exchanges health data with onboarded HIEs that are connected to the eHealth Exchange/Sequoia Project

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What data is shared through the VLER/HIE Initiative?

The data elements that the DoD will send/receive (if available) include the following:



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What is the value of the VLER/HIE Initiative?

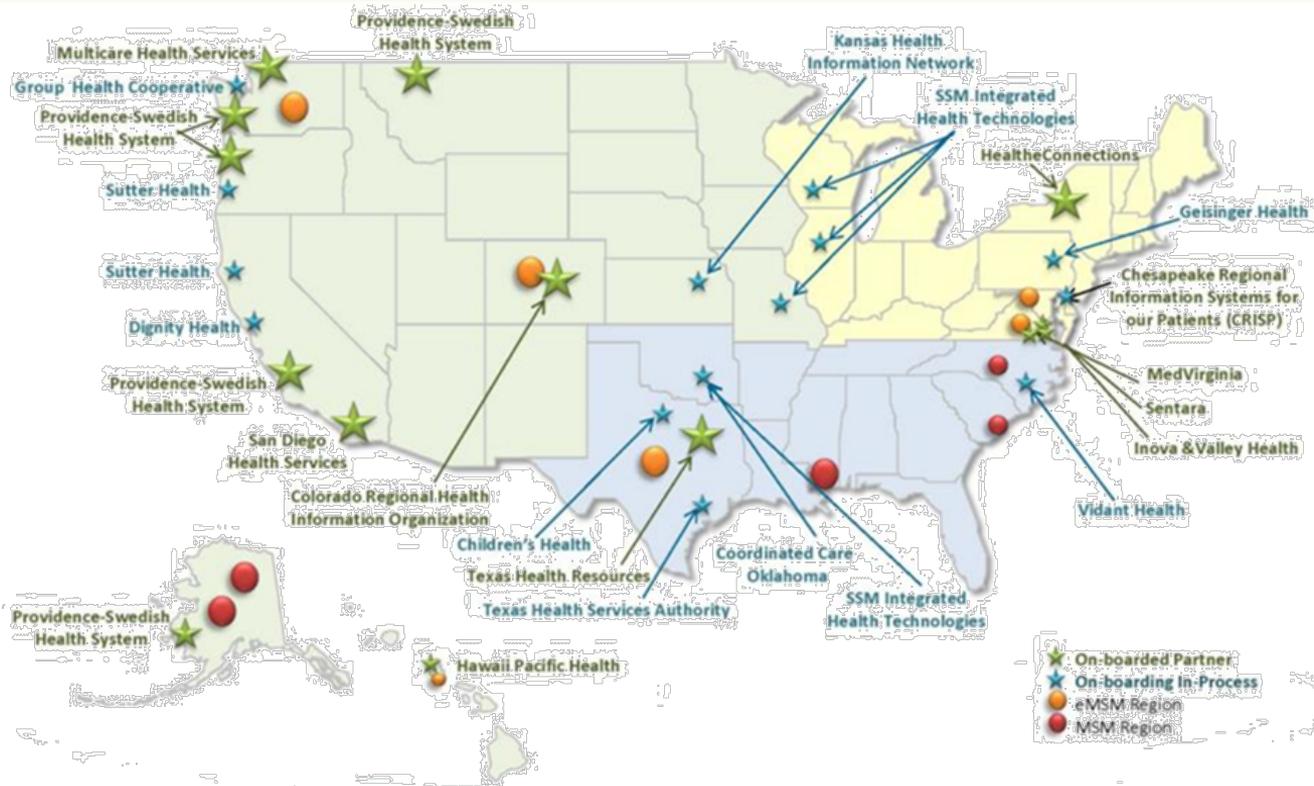
Improves the ability to share information with the private sector where 60% of MHS beneficiary care is delivered:

- Provides a more complete view of a patient's healthcare record
- Helps patients and healthcare teams make the best decisions for a patient's health – especially in an emergency
- Reduces unnecessary or duplicate tests
- Reduces the need to hand-carry medical records
- Available within the AHLTA workflow



VLER/HIE Initiative allows for improved healthcare for MHS beneficiaries because providers are able to receive additional healthcare information from the private sector

Who is participating?



Current DoD HIE Partners



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PROVIDENCE-SWEDISH
Health Alliance



HAWAII PACIFIC HEALTH
Kapi olani • Pali Momi • Straub • Wilcox



SENTARA®



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Onboarding DoD HIE Partners



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CRISP



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Future DoD HIE Partners



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Behavioral Health
Information Network of Arizona

children'shealthSM



MUSC
MEDICAL UNIVERSITY
of SOUTH CAROLINA



DukeHealth



SCHIEX



GRACHIE



HealthBridge

Better information. Better care. Better outcomes.



Ohio Health Information Partnership
Health Information in a Heartbeat



GroupHealth[®]



Dignity Health[™]



NORTH CAROLINA
HEALTH INFORMATION EXCHANGE



KHIN

Kansas Health Information Network



AeHN
Alaska
eHealth
Network[™]

Secure Access to Your Health Record

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How to access VLER/HIE



How can I access VLER/HIE data?

- Available through the Health Information Portal / Joint Legacy Viewer



What if local health systems/state HIEs are not onboarded with DoD?

- Data will be available once additional Health Systems and HIEs are onboarded to the eHX
- Collaborative efforts underway to rapidly increase DoD onboarding with HIEs

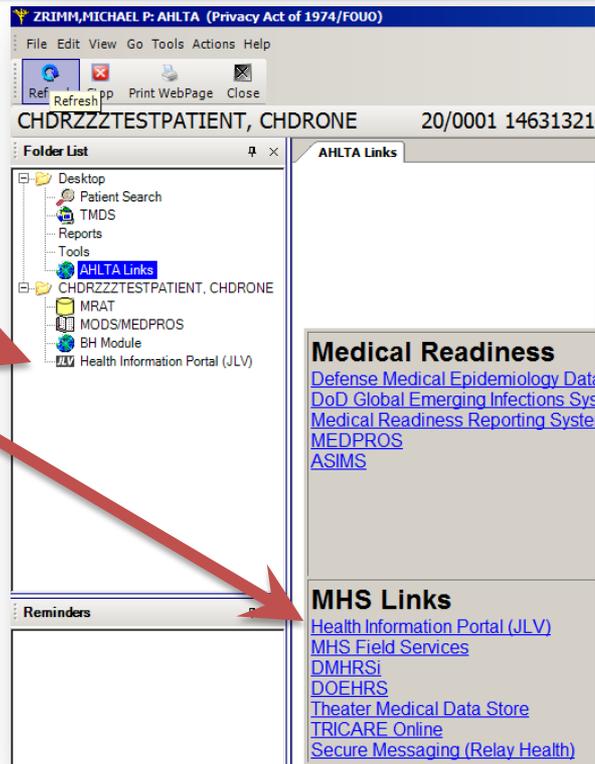


What if my MTF desires a connection with a local HIE that is not onboarded with the DoD and/or the eHX?

- Additional guidance/updates are forthcoming
- Please forward specific inquiries regarding HIEs to onboard to your Service CMIO Office
- HIE onboard updates available through Services, Health.mil, DMIX Town Halls

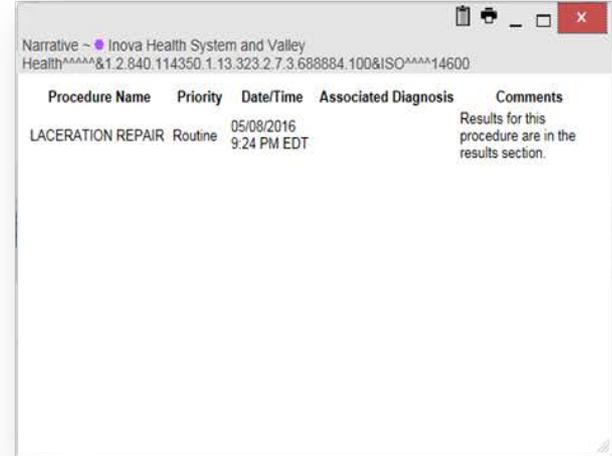
How do I access the information?

- VLER HIE is available through the Joint Legacy Viewer (JLV):
 - Through the AHLTA Viewer
 - Through the Web Browser:
 - DoD users with AHLTA accounts can also access JLV via a web browser.
 - Case Sensitive JLV URL:
<https://jlv.health.mil/JLV>
- Access is role based
 - Requires a security key assigned by your local AHLTA System Administrator



In Practice: The “Alexander Use Case”

Summary: Injured patient brought to INOVA ER and treated. Next day, brought to WALTER REED ER for symptoms of dizziness and headache.



| Procedure Name | Priority | Date/Time | Associated Diagnosis | Comments |
|-------------------|----------|---------------------------|----------------------|--|
| LACERATION REPAIR | Routine | 05/08/2016 9:24 PM EDT | | Results for this procedure are in the results section. |

In Practice: The “Alexander Use Case”



Appointments Health Information Portal (JLV)

JLV Patient Portal

Community Health Summaries - DoD

Procedures/Surgeries Total Rows 1

| Date | Procedure Type | Body Site | Provider | Source |
|--------------|-------------------|-----------|----------|----------------------------|
| 08 May 20... | LACERATION REPAIR | | | Inova Health System and... |

Additional patient information may be displayed below. The content and format of this information is displayed as provided by the external partner(s).

Procedures/Surgeries Narrative

Source: Inova Health System and Valley Health

| Procedure Name | Priority | Date/Time | Associated Diagnosis | Comments |
|-------------------|----------|------------------------|----------------------|--|
| LACERATION REPAIR | Routine | 05/08/2016 9:24 PM EDT | | Results for this procedure are in the results section. |

Vitals Total Rows 2

| Date/Time | TEMP | PULSE | RESP | BP | HR | WT | Length | Head Circ | PdC | Source |
|------------------|---------|----------|---------|-------------|----------|-------|--------|-----------|------|--------------|
| 08 May 2016 L... | 36.04 C | 113 /min | 22 /min | 100/60 m... | | | | | 99 % | Inova Hea... |
| 08 May 2016 L... | | | | | 133.4 cm | 26 kg | | | | Inova Hea... |

Additional patient information may be displayed below. The content and format of this information is displayed as provided by the external partner(s).

Vitals Narrative

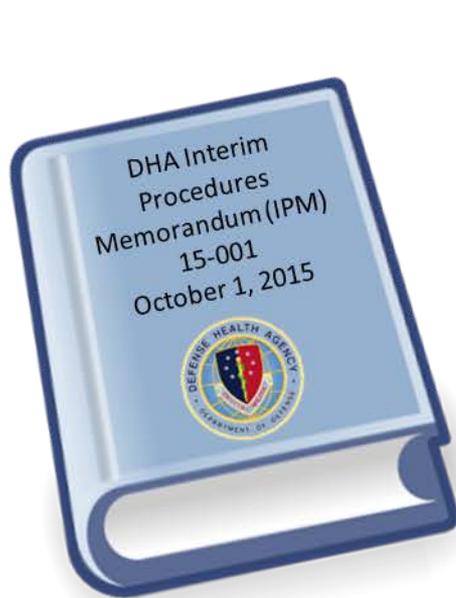
Source: Inova Health System and Valley Health

| Vital Sign | Reading | Time Taken |
|-------------------|----------------------|------------------------|
| Blood Pressure | 100/60 | 05/08/2016 9:27 PM EDT |
| Pulse | 113 | 05/08/2016 9:27 PM EDT |
| Temperature | 36.9 C (98.5 F) | 05/08/2016 9:27 PM EDT |
| Respiratory Rate | 22 | 05/08/2016 9:27 PM EDT |
| Height | 1.334 m (4' 4.5") | 05/08/2016 7:53 PM EDT |
| Weight | 26 kg (57 lb 5.1 oz) | 05/08/2016 7:53 PM EDT |
| Body Mass Index | 14.61 | 05/08/2016 7:53 PM EDT |
| Oxygen Saturation | 99% | 05/08/2016 9:27 PM EDT |

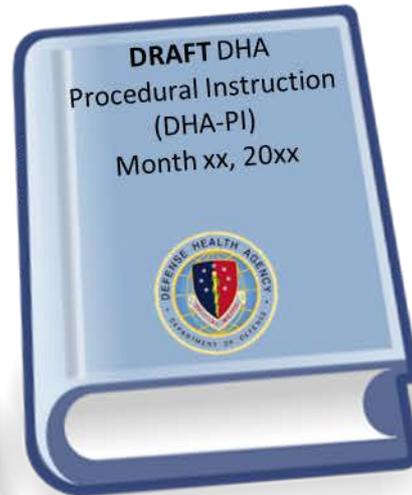


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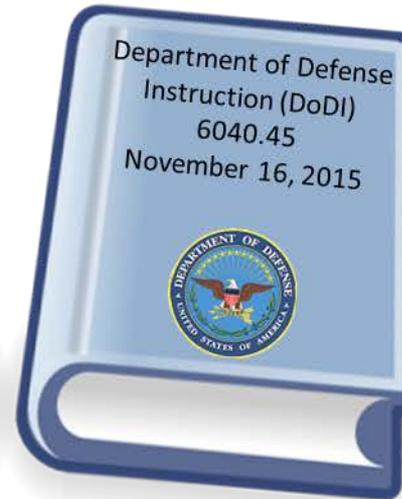
What guidance is available to my MTF?



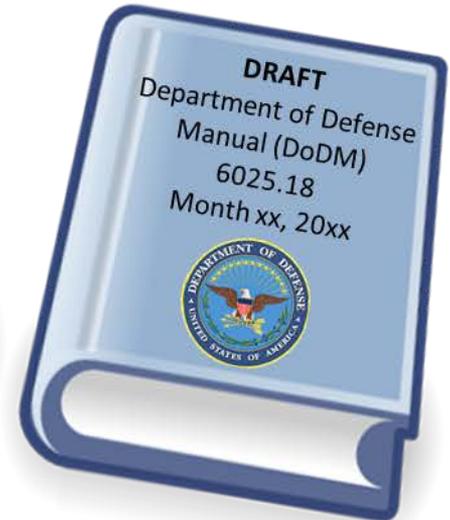
Signed Guidance on non-active duty beneficiary data sharing



Instructions will include VLER process



Signed Guidance on Active duty Sharing



Privacy of Individually Identifiable Health Information in DoD Health Care

More information is available at:

- A robust information “tool kit” is available at:
<https://info.health.mil/staff/comms/Documents/Forms/AllItems.aspx?RootFolder=%2Fstaff%2Fcomms%2FDocuments%2FToolkits%2FVLER%20HIE%20%20Initiative%20ToolKit&FolderCTID=0x0120009870D403F66BEC47AC51E5DA13DEEBC8&View={0423D8C6-845D-4709-BF57-CC08FB42F385}&InitialTabId=Ribbon%2EDocument&VisibilityContext=WSSTabPersistence>
- Has been distributed through multiple channels since Spring 2016



Poster



Fact Sheet



Info Paper



Beneficiary Letter



Talking Points



Customizable Article



Brochure



Social Media Plan



Web Article



VLER HIE Video



Frequently Asked Questions

Please visit the VLER HIE Initiative website at <http://www.tricare.mil/vlerhealth>

Key Takeaways

- Value of the VLER/HIE Initiative to my patients
- Data that is shared through the VLER/HIE Initiative
- Guidance that is available to my MTF
- Communication artifacts that are available to my providers and patients

Questions?



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Evaluations



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Please complete your evaluations

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Contact Information



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