

DATABASE & METHODS CYBERSEMINAR SERIES

Session 11:

Applications for Joint Longitudinal Viewer (JLV) in Research: Introduction

July 10, 2023

Hosted by  **VIReC**

Amber Lane

Research Health Science Specialist, VA Eastern Colorado Healthcare System

Reese Omizo, MD

Clinical Informaticist & Primary Care Physician, VA Pacific Islands Healthcare System



DATABASE & METHODS CYBERSEMINAR SERIES

Informational seminars to help VA researchers access and use VA databases.

Sessions cover...

- VA data sources & data access systems
- Application of VA data to research and quality improvement questions
- Limitations of secondary data use
- Resources to support VA data use



UPCOMING DATABASE & METHODS SESSIONS

First Monday of the month | 1:00pm-2:00pm ET

Date	Topic
7/24/23	Applications for Joint Longitudinal Viewer (JLV) in Research: Day to Day Uses

Visit the VIREC [Database & Methods Cyberseminar](#) page for more information & registration links.

Visit [HSR&D's VIREC Cyberseminar Archive](#) page to watch previous sessions.

Where can I
download a
copy of the
slides?

VA HSR&D

CYBERSEMINARS



SAMPLE EMAIL

**A Practical Approach to Working with VA-Purchased Community
Care Data**

Thursday, October 13, 2022

2:00 PM | (UTC-04:00) Eastern Time (US & Canada) | 1 hr

Please download today's slides

~~Please click here for today's live captions~~

Join webinar

More ways to join:

Join from the webinar link

<https://veteransaffairs.webex.com/veteransaffairs/j.php?>

DATABASE & METHODS CYBERSEMINAR SERIES

Session 11:

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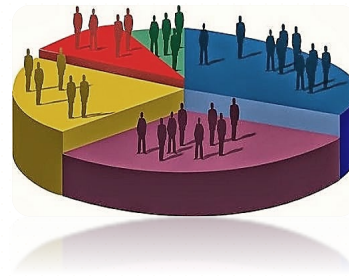
Clinical Informaticist & Primary Care Physician, VA Pacific Islands Healthcare System

& Methods Series

Poll #1:

*What is your primary **role** in projects using VA data?*

- Investigator, PI, Co-I
- Statistician, methodologist, biostatistician
- Data manager, analyst, or programmer
- Project coordinator
- Other – please describe via the chat function



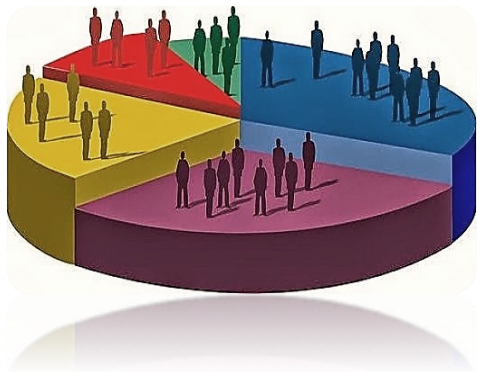
Poll #2:

How many years of experience working with VA data?

- None – I'm brand new to this!
- One year or less
- More than 1, less than 3 years
- At least 3, less than 7 years
- At least 7, less than 10 years
- 10 years or more

Poll #3:

How long have been using JLV?



- None – I'm brand new to this!
- One year or less
- More than 1, less than 3 years
- At least 3, less than 7 years
- At least 7, less than 10 years
- 10 years or more

Session roadmap

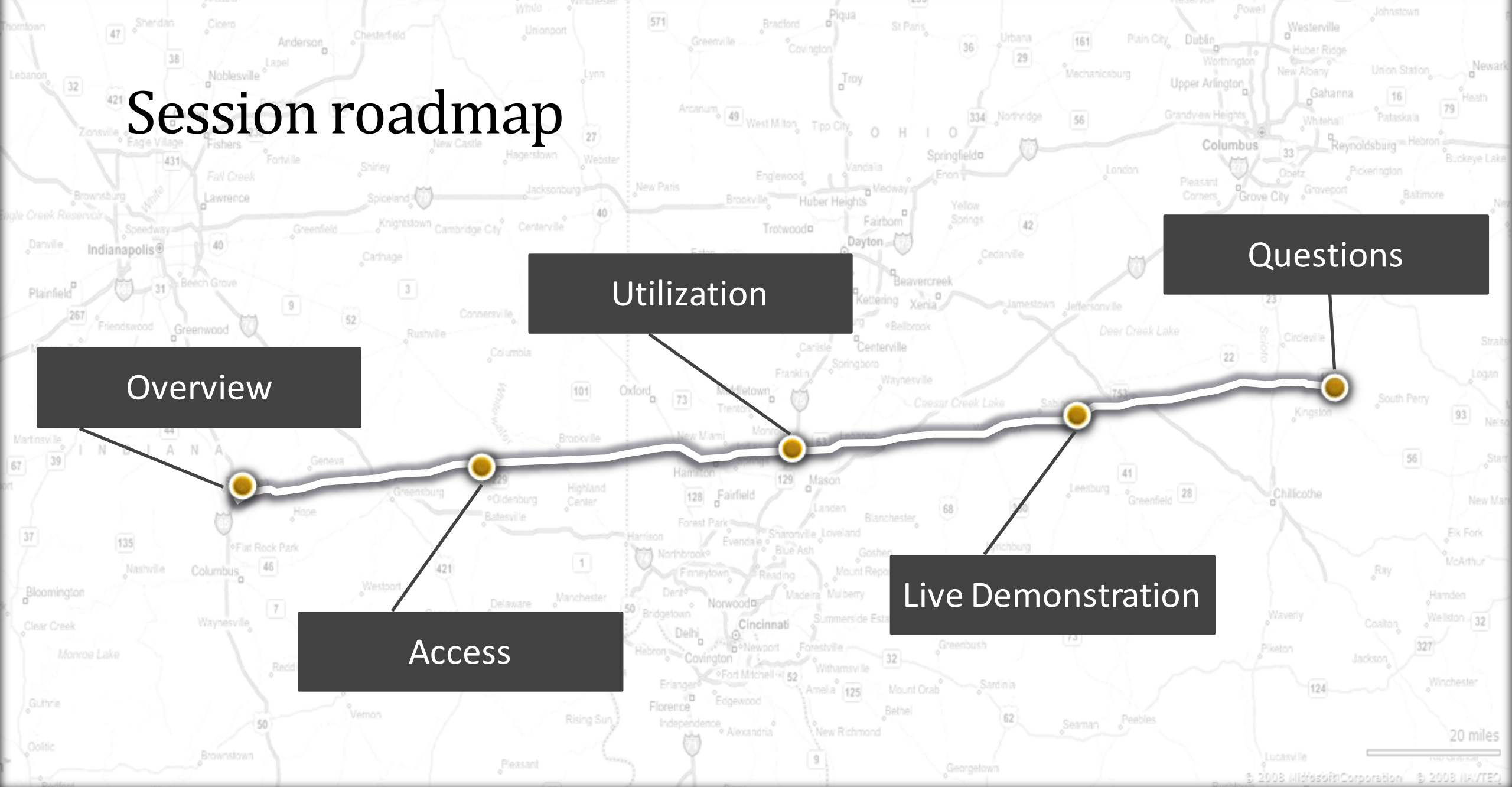
Overview

Utilization

Questions

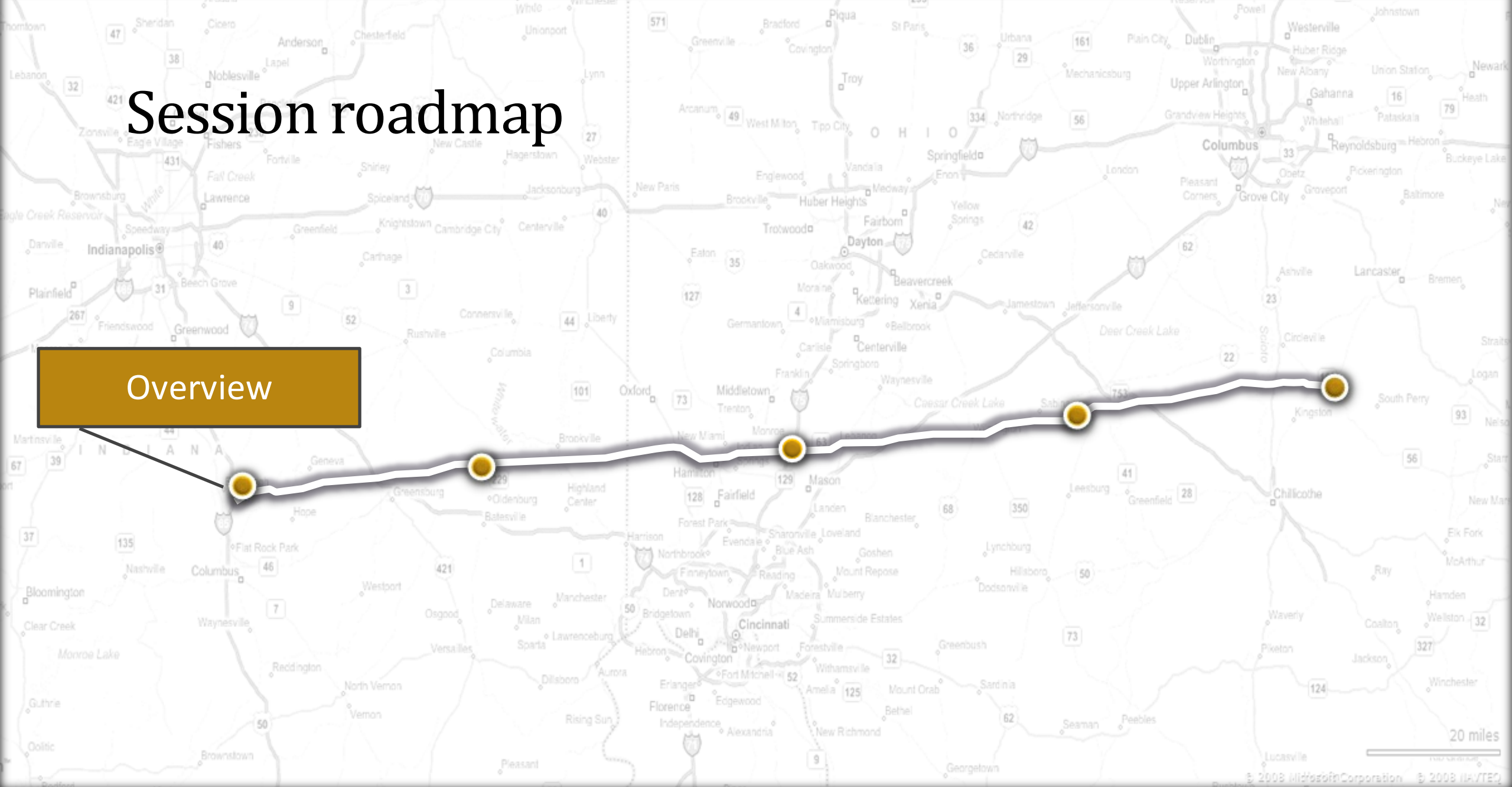
Access

Live Demonstration



Session roadmap

Overview



Joint Longitudinal Viewer (JLV): What is it?



JLV provides a web-based integrated read-only view of health records from Department of Defense (DoD), VA and Community Partner sources

- Comprehensive, longitudinal record from all sources, sites and systems where a patient has received care
- Co-developed by VA and the DoD
- System of Systems - Dependent upon other systems and services in the interoperability ecosystem

JLV Features

- **Customizable by each user** - Enables viewing of multiple data types at once, creating and saving of custom views, and sorting and filtering - supports efficiency at individual workflow level
- **National level patient search for all users** – not limited to viewing only locally registered patients
- **Certain data mapped to national standards** supporting semantic interoperability

Information from [JLV Resources](#) training
PowerPoint "JLV_Office_Hours_2023_May 23"



Acronym list for next slide

- **VistA**- Veterans Health Information Systems and Technology Architecture
- **CPRS**- Computerized Patient Record System
- **FEHR**- Federal Electronic Health Record
- **FHIR**- Fast Healthcare Interoperability Resources
- **API**- Application Programming Interface
- **MHS**- Military Health System
- **EHRM**- Electronic Health Record Modernization
- **CAMM**- CareAware® MultiMedia
- **AHLTA**- Armed Forces Health Longitudinal Technology Application
- **CHCS**- Composite Health Care System
- **HAIMS**- Healthcare Artifact & Image Management System
- **TMDS**- Theater Medical Data Store
- **FHIE**- Federal Health Information Exchange
- **ACS DAL**- Agile Core Services Data Access Layer
- **ILER**- Individual Longitudinal Exposure Record
- **ECIA**- Enterprise Central Image Archive

JLV integrates records from many systems on a single screen*

Department of Veterans Affairs

- VistA /CPRS
- VistA Imaging
- MUSE™ Cardiology Studies

Cerner Millennium (FEHR)

- Cerner FHIR APIs
 - MHS GENESIS
 - VA EHRM
- Cerner CAMM Imaging



Private Sector Joint Health Information Exchange (JHIE)

- 271 partners - [Click here for list](#) (>40,000 hospitals, clinics, etc.)
- 34,000+ CommonWell provider sites

Department of Defense

- AHLTA/CHCS
- Essentris®
- HAIMS
- TMDS
- Deployment Forms systems (FHIE, ACS DAL)
- ILER
- ECIA

* Slide from [JLV Resources](#) training PowerPoint "JLV_Office_Hours_2023_May_23"

Highlighted systems can only be viewed by VA staff within JLV

Department of Veterans Affairs

- VistA/CPRS
- VistA Imaging
- MUSE™ Cardiology Studies

Cerner Millennium (FEHR)

- Cerner FHIR APIs
 - MHS GENESIS
 - VA EHRM
- Cerner CAMM Imaging



Department of Defense

- AHLTA/CHCS
- Essentris®
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- Deployment Forms systems (FHIE, ACS DAL)
- ILER
- ECIA

Private Sector Joint Health Information Exchange (JHIE)

- 271 partners - [Click here for list](#) (>40,000 hospitals, clinics, etc.)
- 34,000+ CommonWell provider sites

FAQ:
How are CAPRI
and CPRS
different from
JLV?

- CAPRI (Compensation and Pension Record Interchange) is read-only access to the VistA EHR (Electronic Health Record), with more functionality than JLV for looking at benefits that Veterans applied for/received
- CPRS is the standard EHR which is in the process of being replaced by Millennium
 - Has write capabilities

FAQ:

Can JLV be used to generate data for multiple patients at one time?

- No. JLV gathers data from all connected systems for a **single** patient
- JLV cannot gather the same data element from multiple patients at one time
- JLV does not generate patient lists
 - Generating patient lists requires aggregation of full databases in a data warehouse like CDW (Corporate Data Warehouse)
- For more information about CDW, please visit: <https://vaww.virec.research.va.gov/CDW/Overview.htm>

Session roadmap

Overview

Access



Gaining Access to JLV

- Type of use = Type of access needed
 - Three types of use:
 - Operation/Non-research
 - Preparatory to Research
 - Research

- Detailed instructions for JLV access:

<https://vaww.vhadataportal.med.va.gov/ToolsApplications/JLV.aspx#transition>

🔒 Accessing JLV

Current CPRS and CAPRI Users

JLV is accessed by using either CPRS or CAPRI access and verify codes.

CPRS users automatically have access to JLV and can begin using it at any time for operations. However, you must be authorized in DART to use it for research.

VistAWeb users who do not have access to CAPRI or CPRS will need to request CAPRI access to use JLV. Visit the [CAPRI page](#) for more information.

All others will need to request access to JLV by following the steps below.

To verify whether you have access to JLV, follow the steps in the [JLV Login Instructions and Login Help](#) or email JLVTeam@va.gov for assistance.

Requesting Access to JLV

The process for requesting access to JLV depends on the purpose of your project, also known as the data access category. Select a category below for information on requesting access. If you're not sure which option to choose, visit the [Data Access Overview](#) page for additional guidance.

[Operations/ Non-Research](#)

[Preparatory to Research](#)

[Research](#)



Data Access Request Tracker (DART)

- For Research, a **separate request** for JLV is needed **for each research project**
 - Submit request(s) via the [Data Access Request Tracker \(DART\)](#)
- Important note: Waiver of HIPAA Authorization application and/or study protocol must contain a description of what data will be accessed and where it will be stored

Department of Veterans Affairs		RESEARCH ACCESS TO VHA ELECTRONIC HEALTH RECORDS	
User Information			
1. Last Name, First Name, Middle Name, Suffix		2. VA E-Mail Address	
3. Job Title	4. Work Phone (Include Area Code)	5. Station (Facility) Number	
6. Full Social Security Number	7. Date of Birth (MM/DD/YYYY)	8. ISO Name	9. ISO E-Mail Address
10. Protocol Name		11. DART Tracking Number	
12. IRB Approval Date (MM/DD/YYYY)	13. IRB Expiration Date (MM/DD/YYYY)	14. Cooperative Studies Program Number (CSP#)	
Special User Access Requested for:			
<input type="checkbox"/> CAPRI <input type="checkbox"/> Joint Legacy Viewer (JLV)			
Level of Access			
<input type="checkbox"/> National <input type="checkbox"/> Site Restricted List			
<p>By signing below, I affirm that I will notify National Data Systems (NDS) of any change in my position or duties as related to this protocol. I also affirm that I will stay current on the required training to view Protected Health Information (PHI). I acknowledge that user access to this data will be restricted to what is approved for this protocol. Data will not be reused or shared with other research projects unless specifically authorized in the protocol and approved by the Institutional Review Board (IRB). Once the storage location of the data is approved, I will not move the data to other locations unless specifically authorized by National Data Systems.</p>			
It is the responsibility of BOTH the user and the supervisor to ensure training is completed every 365 days.			
Approval			
NAME OF INDIVIDUAL REQUESTING ACCESS	DATE SIGNED (MM/DD/YYYY)	<input type="text"/>	
NAME AND TITLE OF PRINCIPAL INVESTIGATOR	DATE SIGNED (MM/DD/YYYY)	<input type="text"/>	
NAME OF APPROVING AUTHORITY (ACOS-R or COS)	DATE SIGNED (MM/DD/YYYY)	<input type="text"/>	

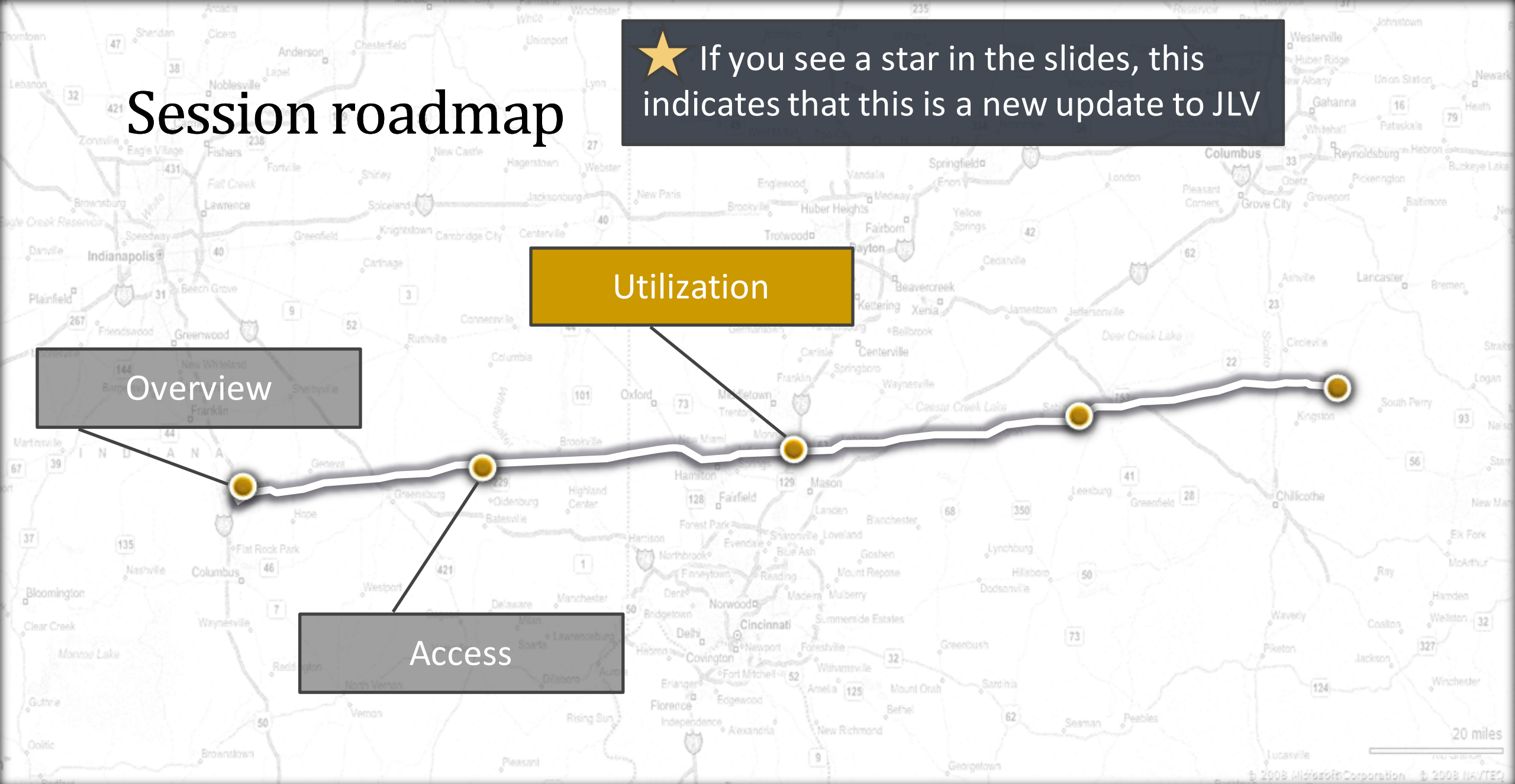
Session roadmap

★ If you see a star in the slides, this indicates that this is a new update to JLV

Overview

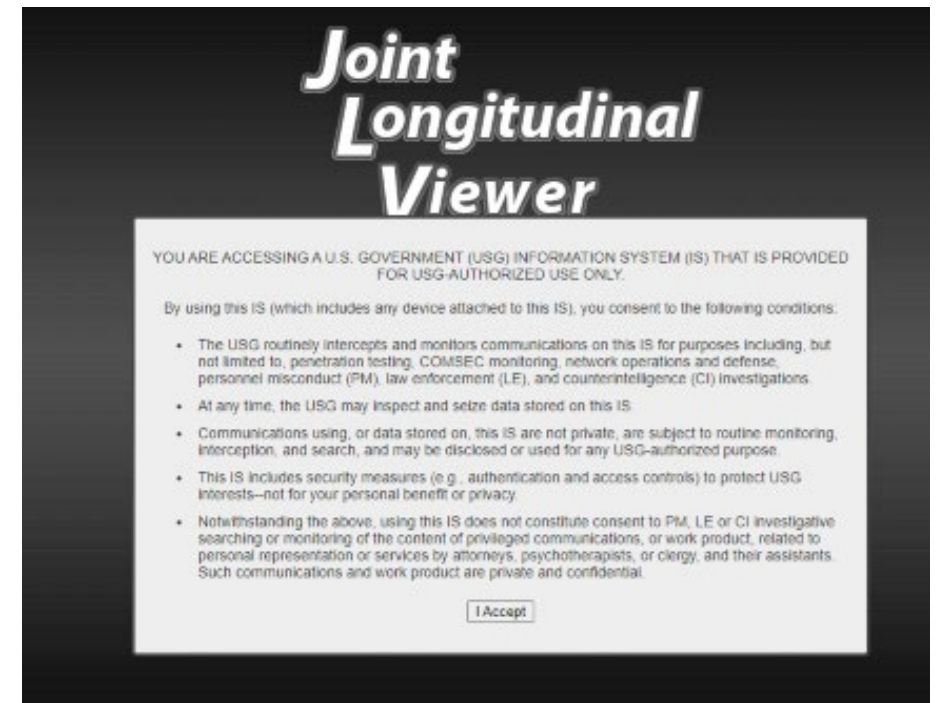
Utilization

Access



Logging in

- JLV can be launched multiple ways
 - JLV button in CPRS
 - JLV tab in CAPRI
 - JLV menu page in Cerner PowerChart
 - Google Chrome or Edge browsers
 - Internet Explorer does not work with JLV
 - <https://jlv.med.va.gov/JLV/>
- Login using PIV card
 - If PIV card does not work
 - CPRS/CAPRI Access/Verify or
 - Use the “View Other Sign-In Options’ link to use Windows Authentication (Network Access/Verify)



Patient search tool

- Recently viewed patients are retained across sessions

Patient Search

DoD ID:

OR

SSN: OR Sponsor SSN:

* Last Name: First Name:

[<< Show Advanced Search Options](#)

** When searching by SSN, Last Name or DOB is required.*

Recently Viewed Patients Search Results

Name	DoD ID	SSN	Date of Birth	Birth Sex	SIGI
CHDRZZZTESTPATIENT_CHDR TWO TWO	1463132204	666000002	03/03/1961	F	F
CHDRZZZTESTPATIENT_CHDR ONE ONE	1463132140	666000001	03/03/1960	M	M

If you have a record open in CPRS or CAPRI, JLV will sense that a patient has already been selected and will automatically sync to that patient record.



Finding patient records- Full SSN and full last name

- Most commonly used
- Common last names (i.e., Smith), will need full first name as well

Patient Search ✕

DoD ID:

OR

SSN: OR Sponsor SSN:

* Last Name: First Name:

[<< Show Advanced Search Options](#)

** When searching by SSN, Last Name or DOB is required.*

Recently Viewed Patients | Search Results

Name	DoD ID	SSN	Date of Birth	Birth Sex	SIGI
CHDRZZZTEST_CHDRFOUR	1593531470	666000004	03/03/1963	M	TF

Example Patient:

Last Name: CHDRZZZTESTPATIENT
SSN: 666000001

DoD ID number

- Easiest way to search
- DoD ID numbers can be pulled from DAVINCI data
 - Called DaVINCI Person Identifier or EDIPI

Example Patient:

DoD ID #: 1463132140

Patient Search ✕

DoD ID:

OR

SSN: OR Sponsor SSN:

* Last Name: First Name:

[<< Show Advanced Search Options](#)

** When searching by SSN, Last Name or DOB is required.*

Recently Viewed Patients | Search Results

Name	DoD ID	SSN	Date of Birth	Birth Sex	SIGI
CHDRZZZTEST_CHDRFOUR	1593531470	666000004	03/03/1963	M	TF

No SSN or DoD ID number

- Will need to use Advanced Search Options:
 - Full last and first name
 - Date of birth
 - Birth sex

Example Patient:

First Name: CHDRONE
 Last Name: CHDRZZZTESTPATIENT
 DOB: 03/03/1960
 Birth Sex: M

Patient Search

DoD ID:

OR

SSN: OR Sponsor SSN:

* Last Name: First Name:

>> [Hide Advanced Search Options](#)

* DOB: MI: Birth Sex:

Address: State: Zip:

City: Telephone:

* When searching by SSN, Last Name or DOB is required.

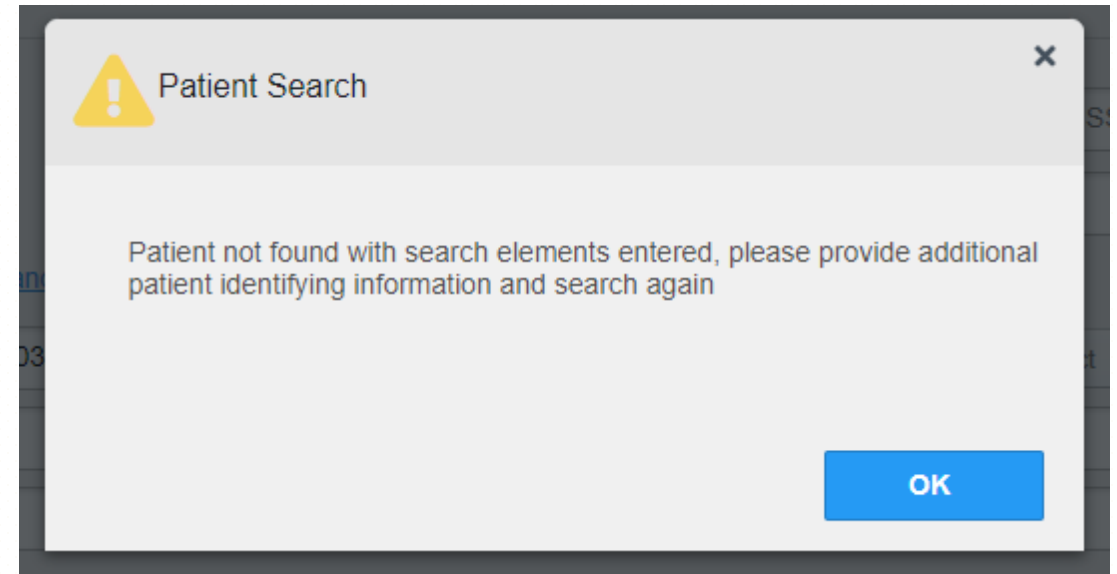
Recently Viewed Patients | Search Results

Name	DoD ID	SSN	Date of Birth	Birth Sex	SIGI
CHDRZZZTEST_CHDRFOUR	1593531470	666000004	03/03/1963	M	TF



Error message

- Common message received because of:
 - Misspelling or mistyping information
 - Not having enough information
 - Searching for a common name



Results

- A record match will populate in “Search Results” tab

Patient Search ✕



DoD ID:


OR

SSN: OR Sponsor SSN:

* Last Name: First Name:

[>> Hide Advanced Search Options](#)

* DOB:  MI: Birth Sex: 

Address: State:  Zip:

City: Telephone:

** When searching by SSN, Last Name or DOB is required.*

Recently Viewed Patients

Name	DoD ID	SSN	Date of Birth	Birth Sex	SIGI
CHDRZZZTESTPATIENT_CHDRONE_ONE	1463132140	666000001	03/03/1960	M	M

Opened patient record

If a patient is deceased,
date of death will be
located here

CHDRZZZTESTPATIENT, CHDRONE ONE (They/them/theirs)
DoD ID: 1463132140 DOB: 03 Mar 1960 (63)

Flags

AD

Appointments (184)

Filtered Date Range: 2/9/23 - 7/9/23

DoD and Cerner (FEHR) appointments are in UTC time zone.
VA Appointments are in the local time zone of the Site.

Scheduled Date/Time	Clinic	Provider	Site
Jul 05, 2023 13:00 UTC			FEHR
Jun 23, 2023 20:20 UTC			FEHR
Jun 14, 2023 14:20			FEHR

Displaying 1-25 of 184

Workspace will be the
same as the last
session including
locked filters

Patient Flags (84) ~ CHDRZZZTESTPATIENT, CHDRONE ONE

COVID: Check Lab Results and Documents for DoD and all FEHR (Cerner sites) data which is not reflected in the [VA COVID Status Indicator](#). For CPRS posting notes please see the Documents widget.

Message	Action/Note(s)	Site
*COVID-19 Prior Positive Test: 2/9/2022		CHA
Active Dual Consumer Active Patient		DoD
Allergies		DoD
BEHAVIORAL		ECH
BEHAVIORAL		ANC
BEHAVIORAL		ASH
BEHAVIORAL		ATG
BEHAVIORAL		BOI
BEHAVIORAL		CHA
BEHAVIORAL		CLE

Displaying 1-84 of 84

The Flags box will
automatically open
for every patient

Open Widget Tray

FOR OFFICIAL USE ONLY (FOUO)



Demographics and AD

JLV Patient Search **CHDRZZTESTPATIENT, CHDRONE ONE** (They/them/theirs)
 DoD ID: 1463132140 DOB: 03 Mar 1960 (63) **Flags** **AD**

Main Tab +
 Patient Demographics ~ CHDRZZTESTPATIENT, CHDRONE ONE

ECH ANC ASH ATG BOI CHA CLE COS

VA: EASTERN COLORADO HCS, CO
CHDRZZTESTPATIENT,CHDRONE ONE
 Preferred Name: CAPTAIN ONE
 Pronouns: They/them/theirs

1600 PENNSYLVANIA AVE NW
 WASHINGTON, DISTRICT OF COLUMBIA
 20500-0005
 SC Percent: [VA Care Teams](#)
[Military Service](#)
[Eligibility and Enrollment](#)
[Insurance](#)

SSN: ###-##-0001
 DOB: 03 Mar 1960 (63)
 Race:
 (h): (816)715-1619
 (w): (816)885-3669
 Birth Sex: M
 Self-Identified Gender Identity: Male
 Sexual Orientation: Bisexual

Details:

Advance Directives (19) ~ CHDRZZTESTPATIENT, CHDRONE ONE

Date	Document Title	Image	Site
Aug 24, 2022	Advance Directive24AUG22		DoD
Nov 02, 2021	attachment		DoD
Aug 31, 2021	Advance Directive Documents / Advance Directive document		FEHR
Aug 03, 2021	Advance directive		DoD
Jul 06, 2021	Advance Directive		DoD
Jun 29, 2021	LIFE-SUSTAINING TREATMENT PLAN		POR
Oct 30, 2020	Advance Directive Revocation / AD Revocation Hamra		FEHR
Oct 30, 2020	Advance Directive Documents / AD Docs Hamra		FEHR
Jan 03, 2020	Advance Directives		FEHR
Feb 18, 2019	Advance Directives		FEHR
Feb 09, 2018	Advance Directives		FEHR

Displaying 1-19 of 19

Select to reopen Flags or to open Advance Care Planning documents

Contains documents from all locations completed

Locations that Veteran has been seen

Widgets- elements within JLV portals that contain and display data specific to a clinical domain

Admissions	Allergies	Appointments	Cardiology Studies - FEHR and VA MUSE Only	Clinical Reminders - VistA Only
Community Health Summaries and Documents	Consults	Discharge / Inpatient Summaries	Documents & Images	Encounters - Outpatient
Federal EHR/MHS GENESIS	Health Summaries and Reports - VistA Only	Imaging	Immunizations	Lab Results
Medications - Inpatient	Medications - Outpatient	Orders	Problem List	Procedures
Progress Notes	Questionnaires, Deployment, Exposure Records	Radiology Reports	Social, Family, and Other Histories	Surgery / Procedure Reports
Vitals	Descriptions of widgets can be found in widget bar in JLV			



Adding widgets

Main Tab +

Open the widget tray (bottom right corner) then drag/drop the blue widget box that you want to view into one of the three columns

To add widgets, click the widget tray bar
to add widgets from the tray to the de

https://jlv.med.va.gov/JLV/WebHelp/Patient_Data_and_Widgets/Patient_Portal.htm

Patient Data and Widgets [Click here to see this page in full context](#)

Patient Data and Widgets

Patient Data and Widgets are displayed along with the selected patient's clinical records and other patient-centric information. Data displayed within widgets is sometimes normalized to one or more industry standard.

New JLV users see a preconfigured default widget layout when a patient is selected. The default layout includes the **Allergies, Problem List, Documents & Images, Medications - Outpatient, and Lab Results** widgets, as well as the **Patient Flags and Postings** window if applicable.

This also includes a **Commonly Used Widgets** tab that displays the **Appointments, Consults, Radiology Reports, Vitals, Immunizations, and Lab Results** widgets. Any changes made to add or remove widgets from the portal display persist to the next session.

You can configure the layout of widgets and create multiple widget tabs. Customizations are saved to your user profile and remain until you change them manually. You can customize any of the following widgets:

- [Demographics](#)
- [Admissions](#)
- [Allergies](#)
- [Appointments](#)
- [Cardiology Studies - FEHR and VA MUSE Only](#)
- [Clinical Reminders - VistA Only](#)
- [Community Health Summaries and Documents for VA Users](#)
- [Consults](#)
- [Discharge/Inpatient Summaries](#)
- [Documents & Images](#)
- [Encounters - Outpatient](#)
- [Federal EHR/MHS GENESIS](#)
- [Health Summaries and Reports - VistA Only](#)
- [Imaging](#)

Drag and Drop Widgets to Your Portal. [Click here to view widget descriptions](#)

Admissions	Allergies	Appointments	Cardiology Studies - FEHR and VA MUSE Only	Clinical Reminders - VistA Only	Community Health Summaries and Documents	Consults	Discharge / Inpatient Summaries	Documents & Images	Encounters - Outpatient	Federal EHR/MHS GENESIS	Health Summaries and Reports - VistA Only	Imaging	Immunizations	Lab Results	Medications - Inpatient	Medications - Outpatient	Orders	Problem List
Procedures	Progress Notes	Questionnaires, Deployment, Exposure Records	Radiology Reports	Social, Family, and Other Histories	Surgery / Procedure Reports	Vitals												

Close Widget Tray

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Other notes about widgets

- Source systems define where data will be displayed
- Widgets are a snapshot in time
- Data may be duplicated or cross-referenced
 - Example: Clinical Notes could be in “Progress Notes”, “Documents and Images” and hyperlinked in “Encounters- Outpatient”
- Scanned documents could be in the “Documents and Images” widget
 - Documents could be from either VistA Imaging (VA) or HAIMS (DoD)
- Community data may be scanned in the “Documents and Images” widget, or may be available in “Community Health Summaries and Documents” widget
- Cerner data is listed in widgets under the location “FEHR” or in the “Federal EHR/MHS Genesis” widget

Expanded view and Widget Properties

Alerts you to Clinical Reminders
Clicking symbol will open the Clinical Reminder widget



Documents & Images (34)
Filtered Date Range: 5/20/23 - 6/20/23

Opening some FEHR (Center documents) may result in an error. Technical teams are working on this issue.

Date	Description	Provider	Image	Site
Jan 13, 2023	RTC MSA RETURN TO CLINIC NOTE	JOYNER, ALBERTA L		
Jan 08, 2023	COMMUNITY CARE ADMIN VCCPE PHYSICAL THERAPY	ROBINSON, TAMMY D		
Jan 08, 2023	COMMUNITY CARE ADMIN VCCPE DERMATOLOGY	ROBINSON, TAMMY D		
Jan 07, 2023	TELEDERMATOLOGY IFC (BUSET SOUND)	BAKER, DIANE K RN		
Jan 07, 2023	TELEDERMATOLOGY IFC (BUSET SOUND)			
Jan 07, 2023	CONSULT TELEDERMATOLOGY IMAGING REQUEST	MEYER, TRACY L CMA		
Jan 07, 2023	TELEDERMATOLOGY (OUTPAT) REQUEST (ANCHORAGE)	BAKER, DIANE K RN		
Jan 07, 2023	TELEDERMATOLOGY (OUTPAT) REQUEST (ANCHORAGE)	BAKER, DIANE K RN		
Jan 06, 2023	PHYSICAL THERAPY OUTPATIENT ATL	ROBINSON, TAMMY D		
Jan 05, 2023	CCC: CLINICAL TRIAGE	MONROE, ROBIN R		
Jan 05, 2023	COMMUNITY CARE ADMIN VCCPE PHYSICAL THERAPY	ROBINSON, TAMMY D		
Jan 02, 2023	MSA SCHEDULING ATTEMPT LETTER (AUTO SEND)	SANS-SOUCI, NEHEME		
Jan 02, 2023	RTC MSA RETURN TO CLINIC NOTE	SANS-SOUCI, NEHEME		

Displaying 1-25 of 34

[Expanded View >>](#)

Expanded view has more categories to filter

Best practice to work in expanded view when available

Documents & Images (34) - CHDRZZZTESTPATIENT, CHDR TWO TWO
Filtered Date Range: 5/20/23 - 6/20/23

Start date: 05/20/2023 End date: 05/20/2023 Apply 1w 2w 1m 3m 6m 1y 2y 3y 5y 10y

Enter text to filter + Remove All Test Filters

Remove All Filters Hide Filters

Opening some FEHR (Center documents) may result in an error. Technical teams are working on this issue.

Date	Description	Standardized Description	Provider	Provider Specialty	Location	Status	Image / Atac	Source System	VA Health Factors	Site
Jan 13, 2023	RTC MSA RETURN TO CLINIC NOTE	Administrative note	JOYNER, ALBERTA L		ATLANTA VAMC	completed		VaA	RTC/RECALL CLINIC RTC/RECALL CALL LUN	
Jan 08, 2023	COMMUNITY CARE ADMIN VCCPE PHYSICAL THERAPY		ROBINSON, TAMMY D			ACTIVE		VaA		
Jan 08, 2023	COMMUNITY CARE ADMIN VCCPE DERMATOLOGY		ROBINSON, TAMMY D			ACTIVE		VaA		
Jan 07, 2023	TELEDERMATOLOGY IFC (BUSET SOUND)		BAKER, DIANE K RN	Nursing Service Providers		DISCONTINUED		VaA		
Jan 07, 2023	TELEDERMATOLOGY IFC (BUSET SOUND)					DISCONTINUED		VaA		
Jan 07, 2023	CONSULT TELEDERMATOLOGY IMAGING REQUEST	Imaging Note	MEYER, TRACY L CMA	Nursing Service Related Providers	ANCHORAGE VA MEDICAL CENTER	completed		VaA	VA TRN EDUCATION DONE VA TRN DERM VISIT NEW	
Jan 07, 2023	TELEDERMATOLOGY (OUTPAT) REQUEST (ANCHORAGE)		BAKER, DIANE K RN	Nursing Service Providers		COMPLETE		VaA		
Jan 07, 2023	TELEDERMATOLOGY (OUTPAT) REQUEST (ANCHORAGE)		BAKER, DIANE K RN	Nursing Service Providers		DISCONTINUED		VaA		
Jan 06, 2023	PHYSICAL THERAPY OUTPATIENT ATL		ROBINSON, TAMMY D			CANCELLED		VaA		
Jan 05, 2023	CCC: CLINICAL TRIAGE	Nurse Progress note	MONROE, ROBIN R	Nursing Service Providers	VA MAINE HCS	completed		VaA		
Jan 05, 2023	COMMUNITY CARE ADMIN VCCPE PHYSICAL THERAPY		ROBINSON, TAMMY D			CANCELLED		VaA		

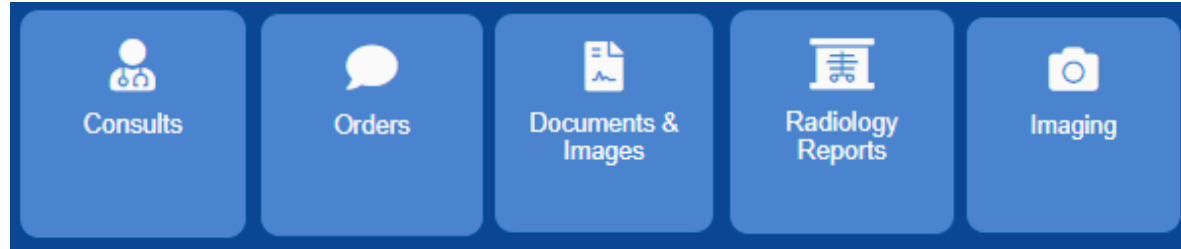
Displaying 1-25 of 34

[Show All](#)

Clicking blue hyperlink will take you to note text



Using multiple widgets- Example



Using the “Consults” or “Orders” widget can give you a timeline to search within other widgets

CHDRZZZTESTPATIENT, CHDRONE ONE Flags AD Radiology + Show Date Tool

Consults (29)
Filtered Date Range: 6/2/21 - 6/22/22

Date	Consult Order	Status	Site
Jan 05, 2022 08:34	TELEDERMATOLO... 'OUTPT' REQUEST (ANCHORAGE)	COMPLETE	ANC
Dec 28, 2021 10:10	LUNG CANCER SCREENING OUTPATIENT	DISCONTINUED	ASH
Dec 22, 2021 11:58	LUNG CANCER SCREENING OUTPATIENT	COMPLETE	ASH
Dec 20, 2021 14:25	COMMUNITY CARE- ADMIN VCCPE PHYSICAL THERAPY	DISCONTINUED	ATG
Dec 16, 2021 00:42	Office Clinic Note	Approved	FEHR

Displaying 1-25 of 29 1 2 Expanded View >>

Orders (4562)
Filtered Date Range: 6/2/21 - 6/22/22

Order Date	Description	Status / Prio...	Type	Site
Dec 22, 2021 09:50	BLOOD&HGB- FEVA/NMCP	CANCELED / ROUTINE	LAB	DoD
Dec 22, 2021 11:57	LUNG CANCER SCREENING OUTPATIENT Cons Consultant's Choice	COMPLETE	Consults	ASH
Dec 28, 2021 10:09	LUNG CANCER SCREENING OUTPATIENT Cons Consultant's Choice	DISCONTINU...	Consults	ASH

Displaying 3926-3950 of 4562 157 158 159 160 Expanded View >>

Documents & Images (1204)
Filtered Date Range: 12/2/21 - 6/22/22

Opening some FEHR (Cerner documents) may result in an error. Technical teams are working on this issue.

Date	Description	Provider	Image / ...	Site
Dec 20, 2021	COMMUNITY CARE- ADMIN VCCPE PHYSICAL THERAPY	ROBINSON, TAMMY D		A
Dec 22, 2021	NURSING TELEPHONE CONTACT	THOMAS, SABRINA M		A
Dec 22, 2021	LUNG CANCER SCREENING OUTPATIENT	NICOLINI, MICHAEL A		A
Dec 23, 2021	Lavender 992 KB			D
Dec 23, 2021	Pecan Muffins yum 60 KB			D
	Pecan Muffins			

Displaying 201-225 of 1204 7 8 9 10 Expanded View >>

Source system connection error

Documents & Images (1724)
Filtered Date Range: 6/1/21 - 6/21/22

Opening some FEHR (Cerner documents) may result in an error. Technical teams are working on this issue.

Date	Description	Provider	Image /	Site
Jun 21, 2022	CCC: CLINICAL TRIAGE	TINEY, MELISSAA		
Jun 21, 2022	CCC: CLINICAL TRIAGE	POCIATEK, TRENA DORRIENE		
Jun 21, 2022	CCC: CLINICAL TRIAGE	TINEY, MELISSAA		
Jun 21, 2022	CCC: CLINICAL TRIAGE	TINEY, MELISSAA		
Jun 21, 2022	CCC: CLINICAL TRIAGE	TINEY, MELISSAA		
Jun 20, 2022	Vital Signs - Text / Vital Signs Check	Donovan, Eric, Cerner Consulting		
Jun 20, 2022	Vital Signs - Text / Vital Signs Check	Donovan, Eric, Cerner Consulting		
Jun 17, 2022	Direct Message Outbound - Referral / Test Message			
Jun 17, 2022	Direct Message Outbound - Referral / Test Message			
Jun 17, 2022	Direct Message Outbound - Referral / Test Message			
Jun 17, 2022	Portal E-Visit / COVID-19 Coronavirus Questionnaire	Super Test, Patient Portal Cerner, Cerner Managed		

Open Widget Tray

Click on triangle with exclamation point to see what source systems are not available

Connection Status for Documents & Images

Warning Connection Errors

Connections from the following sources are currently unavailable. Most connection errors resolve themselves within a few hours.

Source	Name	Status	Data Domain
DOD	CHCS: TRIPLER	FAILURE	Discharge Summary
DOD	CHCS: EGLIN	FAILURE	Discharge Summary

[< Hide All Active Interfaces](#)

All Active Connections

Connections to the source systems are successful. Successful status connections are not an indicator that clinical data is being returned to the widget from the source system.

Source	Name	Status	Data Domain
DOD	CDR	SUCCESS	Progress Note
DOD	TMDS	SUCCESS	Progress Note



Optimizing JLV

Close out widgets that aren't necessary for your project

The screenshot displays the JLV interface for a patient named CHDRZZZTESTPATIENT, CHDRONE ONE. The interface is divided into several widgets, each with a close button (X) in its top right corner. A red circle highlights the close button for the 'Documents & Images' widget, and a red arrow points from this button to the text 'Close out widgets that aren't necessary for your project'.

Widgets and their data:

- Appointments (184):** Filtered Date Range: 2/9/23 - 7/9/23. Shows a table with columns: Scheduled Date/Time, Clinic, Provider, Site. Data rows include appointments on Jul 05, 2023 and Jun 23, 2023 at FEHR sites.
- Documents & Images (252):** Filtered Date Range: 2/9/23 - 6/9/23. Shows a table with columns: Date, Description, Provider, Im..., S... Data rows include documents from Jun 07, 2023, such as 'CSP PCAFC PRIMARY CARE COLLABORATION' and 'TELEDERMATOLOGY IFC (PUGET SOUND)'.
- Encounters - Outpatient:** Filtered Date Range: 2/9/23 - 6/9/23. Includes date pickers for Start date (02/09/2023) and End date (06/09/2023), and a search filter.
- Radiology Reports:** Filtered Date Range: 6/9/22 - 6/9/23. Includes date pickers for Start date (06/09/2022) and End date (06/09/2023), and a search filter.
- Community Health Summaries and Documents (10):** Shows a table with columns: Date, Document Type/Title, Site. Data rows include documents from Jun 09, 2023, such as 'Summarization of Episode Note', 'Patient Summary', and 'Continuity of Care Document'.
- Imaging:** Filtered Date Range: 6/9/22 - 6/9/23. Includes date pickers for Start date (06/09/2022) and End date (06/09/2023), and a search filter.

The interface also features a top navigation bar with the JLV logo, Patient Search, and various utility icons. A 'Main Tab' is visible at the top left, and an 'Open Widget Tray' button is at the bottom right.

Setting up multiple tabs or duplicate widgets

Patient Search: CHDRZZZTESTPATIENT, CHDRONE ONE (They/them/theirs)
 DoD ID: 1463132140 DOB: 03 Mar 1960 (63)

Main Tab | PFT | +

PFT search Apr 2023 to June 2023

Hovering on existing tabs shows description if available

Tab Name and Description

Name (max 25 characters)

Description (max 200 characters)

Save Cancel

Make multiple tabs for specific purposes

Documents & Images (1030)
 Filtered Date Range: 2/22/22 - 6/22/22

Documents & Images (641)
 Filtered Date Range: 2/22/22 - 4/22/22

Documents & Images (548)
 Filtered Date Range: 4/23/22 - 6/22/22

Date	Description	Provider	Image / ...	Site
Jun 22, 2022	CCC: CLINICAL TRIAGE	KURIAN, MARIAMMA		E
Jun 22, 2022	CCC: CLINICAL TRIAGE	VALEROS, BETTY		N
Jun 22, 2022	CCC: CLINICAL TRIAGE	VALEROS, BETTY		N
Jun 21, 2022	CCC: CLINICAL TRIAGE	POCIATEK, TRENA DORRIFNF		N

Duplicate widgets to cut load time by splitting up date ranges

Setting date ranges

Set date
manually

or

by choosing a
preset range

Documents & Images (34)
Filtered Date Range: 5/20/23 - 6/20/23

Start date: 05/20/2023 End date: 06/20/2023 Apply

1w 2w 1m 3m 6m 1y 2y 3y 5y 10y

Remove All Filters Hide Filters

Opening some FEHR (Cerner documents) may result in an error.
Technical teams are working on this issue.

Date	Description	Provider	Image ...	Site
Jun 13, 2023	RTC MSA RETURN TO CLINIC NOTE	JOYNER, ALBERTA L		
Jun 08, 2023	COMMUNITY CARE-ADMIN VCCPE PHYSICAL THERAPY	ROBINSON, TAMMY D		
Jun 08, 2023	COMMUNITY CARE-ADMIN VCCPE DERMATOLOGY	ROBINSON, TAMMY D		
Jun 07, 2023	TELEDERMATOLOGY IFC (PUGET SOUND)	BAKER, DIANE K RN		
Jun 07, 2023	TELEDERMATOLOGY IFC (PUGET SOUND)			
Jun 07, 2023	CONSULT TELEDERMATOLOGY IMAGING REQUEST	MEYER, TRACY L CMA		
Jun 07, 2023	TELEDERMATOLOGY 'OUTPT' REQUEST (ANCHORAGE)	BAKER, DIANE K RN		
Jun 07, 2023	TELEDERMATOLOGY 'OUTPT' REQUEST (ANCHORAGE)	BAKER, DIANE K RN		
Jun 06, 2023	PHYSICAL THERAPY	ROBINSON, TAMMY D		

Displaying 1-25 of 34 [Expanded View >>](#)

Keeping date
ranges small will
allow for faster
filtering and
loading times

Setting date ranges-Multiple widgets

CHDRZZZTESTPATIENT, CHDRONE ONE Flags AD Radiology Docs +

Consults (1)
Filtered Date Range: 5/22/22 - 6/22/22
Orders (113)
Filtered Date Range: 6/8/22 - 6/22/22
Documents & Images
Filtered Date Range: 3/22/22 - 6/22/22

[Show Date Tool](#)

“Show Date Tool” changes all widgets on the current tab to the same date range

CHDRZZZTESTPATIENT, CHDRONE ONE Flags AD Radiology Docs +

Start Date: MM/DD/YYYY End Date: MM/DD/YYYY
Apply to all Widgets on this Tab
1w 2w 1m 3m 6m 1y 2y 3y 5y 10y
Hide Date Tool

Consults (1)
Filtered Date Range: 5/22/22 - 6/22/22
Orders
Filtered Date Range: 5/22/22 - 6/22/22
Documents & Images
Filtered Date Range: 5/22/22 - 6/22/22

Filtering widget by using text

Start date: 06/23/2022 End date: 06/23/2023 Apply 1w 2w 1m

Enter text to filter + Remove All Text Filters

Date Image / Attach... #img Image Title Star

Using text search does not search for the term in the actual note body

Imaging (5) ~ CHDRZZZTESTPATIENT, CHDRONE ONE
Filtered Date Range: 6/23/22 - 6/23/23 +Filter(s)

Start date: 06/23/2022 End date: 06/23/2023 Apply 1w 2w 1m

Enter More Text to filter. + Remove All Text Filters (Applied)

tele x

Remove All Filters

Date	Image / Attach...	#img	Image Title	Standardized D...	Description	Procedure
Jun 15, 2023		7	TELEDERMATOLOGY IFC (PUGET SOUND)			TELEDERMATOL... IFC (PUGET SOUND)
May 01, 2023		1	TELE-EYE IMAGING IFC (BOISE FROM JUNEAU)			CON/PROC
Apr 26, 2023		1	TELE-EYE IMAGING IFC (BOISE FROM MAT-SU)			CON/PROC
Mar 16, 2023		5	TELEDERMATOLOGY IFC (PUGET SOUND)			TELEDERMATOL... IFC (PUGET SOUND)
Feb 06, 2023		1	TELEDERMATOLOGY IFC (PUGET SOUND)			TELEDERMATOL... IFC (PUGET SOUND)

Displaying 1-5 of 5

Multiple text filters can be applied at a time.

Using filters does not remove records from the widget

Locked filters

Locked filters remain with set date ranges even when patient is changed

Lock/unlock a filter by clicking on the lock icon

Imaging (9) ~ CHDRZZZTESTPATIENT, CHDRONE ONE
 Filtered Date Range: 6/23/22 - 6/23/23 +Locked Filter(s)

Start date: 06/23/2022 End date: 06/23/2023 Apply 1w 2w 1m 3m 6m 1y 2y 3y 5y 10y

Enter More Text to filter. + Remove All Unlocked Text Filters (2 Applied)

tele or primary

Remove All Filters

	Date	Image / Attach...	#Img	Image Title	Standardized D...	Description	Procedure
	Jun 17, 2023		2	CSP PCAFC PRIMARY CARE COLLABORATION	Certificate	Short Description -Ingest PDF	CLIN
	Jun 15, 2023		7	TELEDERMATOLOGY IFC (PUGET SOUND)			TELEDERMATOL... IFC (PUGET SOUND)
	Jun 07, 2023		2	CSP PCAFC PRIMARY CARE COLLABORATION	Certificate	Short Description -Ingest PDF	CLIN
	May 01, 2023		1	TELE-EYE IMAGING IFC (BOISE FROM JUNEAU)			CON/PROC
	Apr 26, 2023		1	TELE-EYE IMAGING IFC (BOISE FROM JUNEAU)			CON/PROC
	Apr 06, 2023		2	CSP PCAFC PRIMARY CARE COLLABORATION	Certificate	Short Description	CLIN

To remove locked filters, first unlock them



Filtering columns

Clicking the arrow organizes in descending or ascending order

Filter button on columns

Imaging (95) ~ CHDRZZZTESTPATIENT, CHDRONE ONE
 Filtered Date Range: 6/23/22 - 6/23/23

Start date: 06/23/2022 End date: 06/23/2023 [Apply](#) [1w](#) [2w](#) [1m](#) [3m](#) [6m](#) [1y](#) [2y](#) [3y](#) [5y](#) [10y](#)

+ [Remove All Text Filters](#)

[Remove All Filters](#)

	Date	Image / Attach...	#Img	Image Title	Standardized D...	Description	Procedure
	Jun 17, 2023		2	CSP PCAFC CARE COLLABORA		Short Description -Ingest PDF	CLIN
	Jun 15, 2023		7	TELEDERMA IFC (PUGET S			TELEDERMATOL... IFC (PUGET SOUND)
	Jun 07, 2023		2	CSP PCAFC CARE COLLABORA		Short Description -Ingest PDF	CLIN
	May 18, 2023			Results 11 KB			
	May 01, 2023		1	TELE-EYE IM IFC (BOISE FROM JUNEAD)			CON/PROC
	Apr 26, 2023			TELE-EYE IMAGING IFC (BOISE FROM 557)			CON/PROC

Displaying 1-25 of 95

These filters do not lock and will go away when moving to a new patient record

Health factors and CPT codes

CPT codes can be found in the “Procedures” widget

Health factors can be found in the following widgets:

- Admissions
- Appointments
- Encounters-Outpatient
- Documents & Images

PROONE ONE

Apply [1w](#) [2w](#) [1m](#) [3m](#) [6m](#) [1y](#) [2y](#) [3y](#) [5y](#) [10y](#)

[Remove All Text Filters](#)

[Remove All Filter](#)

Additional Procedure records may be found

Provider	Provider Specialty	CPT Code
MEYER, TRACY L CMA	Nursing Service Related Providers	96999
MEYER, TRACY L CMA	Nursing Service Related Providers	96999
PHYSICIAN, DEMO	Allopathic & Osteopathic Physicians	90746
PHYSICIAN, DEMO	Allopathic & Osteopathic Physicians	90471
RUCHIN, LAUREN E	Behavioral Health & Social Service Providers	98966
RUCHIN, LAUREN E	Behavioral Health & Social Service Providers	98966

[Hide Filters](#)

S...	VA Health Factors	Site
VistA	RTC/RECALL CLINIC RTC/RECALL CALL 2 UNAB...	ATG
VistA	RTC/RECALL CLINIC RTC/RECALL PC APPT >90...	ATG
VistA	V20 OPIOID CHRONIC PAIN V20 PBM PHARMD PAIN M...	PUG
VistA	VA-TDI EDUCATION DONE VA-TDI DERM VISIT NEW C...	ANC
VistA	VA-TDI EDUCATION DONE VA-TDI DERM VISIT NEW C...	ANC
VistA	VA-TDI EDUCATION DONE VA-TDI DERM VISIT NEW C...	ANC
VistA	VA-TOX EXP SCRNVETER... VA-TOX EXP SCRNVETER...	ATG
VistA	VA-TOX EXP SCRNVETER... VA-TOX EXP SCRNVETER...	ATG

[Show All](#)



Images

Opening some FEHR (Cerner documents) may result in an error. Technical teams are working on this issue.

Standard...	Pr...	Prov...	Lo...	S...	Image / Atta...
Administrative note	MASSON, ERIN K	Nursing Service Related Providers	MANCHES... VAMC	complet...	<input type="checkbox"/> image
Nurse Progress note	JEWELL, MARSHALL P	Nursing Service Providers	BOISE VA MEDICAL CENTER	complet...	<input type="checkbox"/> (Blanks)

Prov...	Lo...	S...	Image / Atta
	FAYETTEV... NC VAMC	complet...	<input checked="" type="checkbox"/>
			<input type="checkbox"/>
	FAYETTEV... NC VAMC	complet...	<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>
			<input type="checkbox"/>

Highlighted icon means that a filter is in place

Images open in VistA imaging or HAIMS for DoD

An “image” can be:

- Picture
- Radiology reports
- Test result in PDF
- Community care results Documents

Camera icon represents that an image/attachment is present

Troubleshooting JLV



Select the help icon

Select Troubleshooting
or Getting Help from
menu

 A screenshot of a web browser window showing the 'Joint Longitudinal Viewer (JLV) Help' page. The browser address bar shows the URL: https://jlv.med.va.gov/JLV/WebHelp/JLV_help.htm#t=Introducing_JLV%2FFirst_Topic.htm. The page header includes the JLV logo and a search bar. A left-hand navigation menu lists various help topics, with 'Introducing JLV' selected. The main content area displays the 'Introducing JLV' page, which describes the system as a GUI for displaying patient data from VA and DOD EHR systems. It also lists related topics and additional resources.

Joint Longitudinal Viewer (JLV) Help - Work - Microsoft Edge

https://jlv.med.va.gov/JLV/WebHelp/JLV_help.htm#t=Introducing_JLV%2FFirst_Topic.htm

Joint Longitudinal View -Search-

- Introducing JLV
 - Introducing JLV
 - Getting Help
 - Troubleshooting
 - System Requirements
 - Viewing Announcements
 - Viewing System Status
- Getting Started
- Logging in and Configuring JLV
- Patient Context Management
- Patient Portal
- Restricted Access & Auditing
- Using the Report Builder
- Working with Portals and Widgets
- Working with the Accessible Interface
- Logging Out of the Current JLV Session
- Terminology Normalization

Introducing JLV

JLV is a GUI that displays data from VA and DOD EHR systems in a single user interface. The interface is a front-end web application that provides a common data display of view-only, real-time patient information.

Users can view patient records through JLV, which provides authorized DOD, VA, and Coast Guard users with a combined view of patient record data. The common data view groups similar VA and DOD data from each health information system and displays them chronologically on a single screen, eliminating the need to access various separate applications to obtain complete patient information.

Related topics:

- [System Requirements](#)
- [Viewing Announcements](#)
- [Logging Into JLV](#)
- [Viewing System Status](#)
- [Customizing JLV](#)
- [Using the Accessible Theme's Functionality](#)

Additional resources:

More JLV resources

- **JLV Introductory Training Videos**

<https://dvagov.sharepoint.com/sites/VACOVE2/JLV/Resources/Forms/AllItems.aspx?viewpath=%2Fsites%2FVACOVE2%2FJLV%2FResources%2FForms%2FAllItems%2Easpx&id=%2Fsites%2FVACOVE2%2FJLV%2FResources%2FJLV%20Introductory%20Training%20Videos>

- **JLV website**

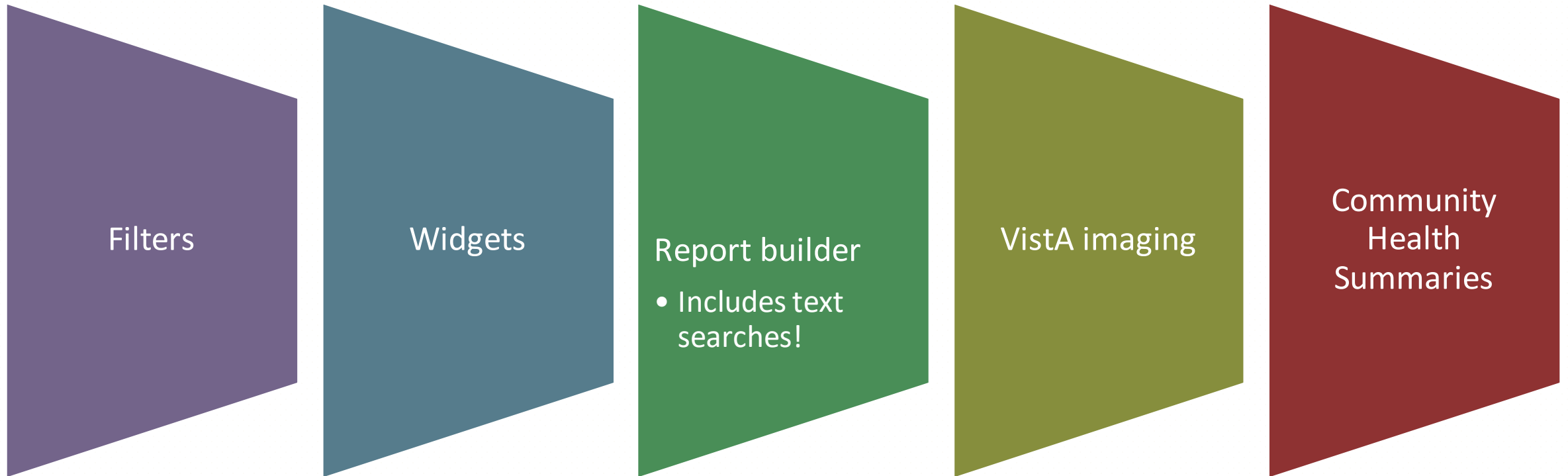
<https://jlv.med.va.gov/JLV/>

- **JLV SharePoint**

<https://dvagov.sharepoint.com/sites/VACOVE2/JLV/Resources/Forms/AllItems.aspx>

Join us again on July 24th!

Will have an in depth look at:



Session roadmap

Overview

Utilization

Access

Live Demonstration

Questions

THANK YOU!
Questions?



CONTACT INFORMATION

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Amber.lane2@va.gov

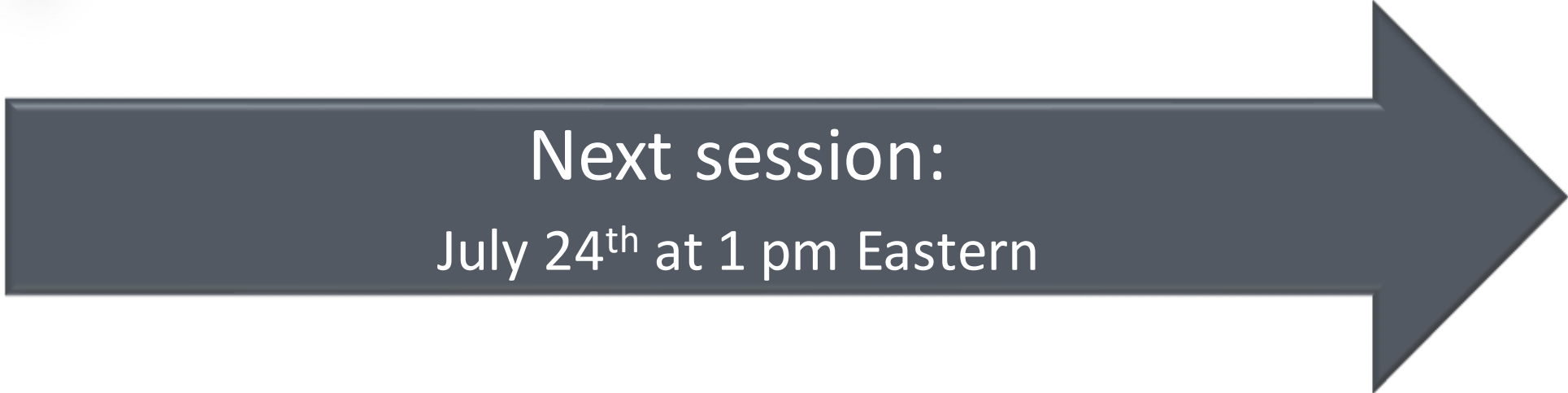
Dr. Reese Omizo, MD

Clinical Informaticist, Primary Care Physician
VA Pacific Islands HCS; Honolulu, HI

Reese.Omizo@va.gov



DATABASE & METHODS CYBERSEMINAR SERIES



Next session:
July 24th at 1 pm Eastern

Applications for Joint Longitudinal Viewer (JLV) in
Research: Day to Day Uses

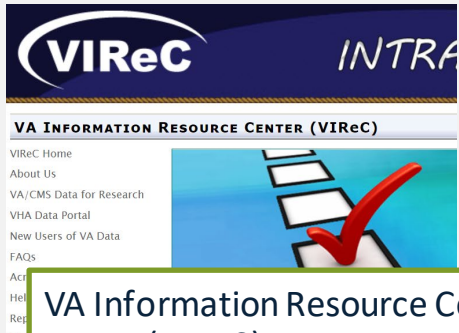


Database & Methods
BONUS SLIDES

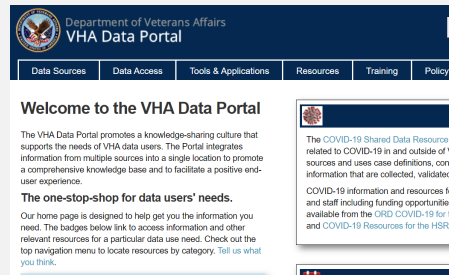


Resources for VA Data Users

Select image to visit page



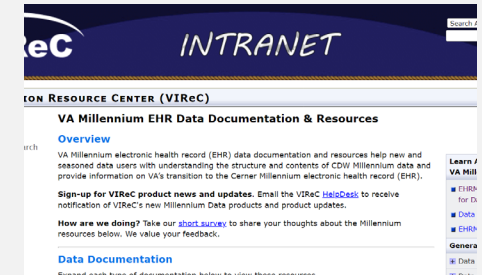
VA Information Resource Center (VIREC) (VA Intranet)



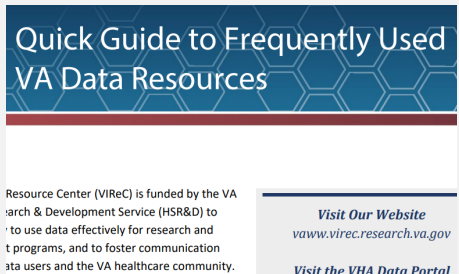
VHA Data Portal (VA Intranet)



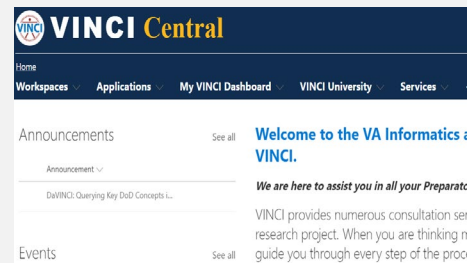
VIREC Cyberseminars



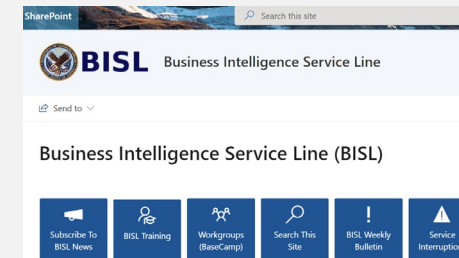
VA Millennium EHR Data Documentation (VA Intranet)



Quick Guide: Resources for Using VA Data (VA Intranet)



VA Informatics and Computing Infrastructure (VINCI) (VA Intranet)



BISL/CDW (VA Intranet)



Health Economics Resource Center (HERC) (VA Intranet)



Questions about using VA Data?

HSRData Listserv

- Community knowledge sharing
- ~1,400 VA data users
- Researchers, operations, data stewards, managers
- Subscribe by visiting vaww.virec.research.va.gov/Support/HSRData-L.htm (VA Intranet)

VIReC HelpDesk

- Individualized support
- Request Form: varedcap.rcp.vaec.va.gov/redcap/surveys/?s=KXMEN77LXK (VA Intranet)