



# VistA Evolution

THE EVOLUTION OF VA HEALTH CARE DELIVERY



## **eHMP to Replace CPRS: Possibilities for Re-envisioning Healthcare Delivery and Implications for Health Services Research**

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***VistA Evolution eHMP***

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# Overview

- Introductions
- eHMP (Enterprise Health Management Platform)
- Research
- eHMP Demonstration



# eHMP Overview

- The Enterprise Health Management Platform (eHMP) is a critical cornerstone project under the VistA Evolution Program.
- eHMP is the infrastructure and user interface that will eventually replace Computerized Patient Record System (CPRS) as VA's primary point of care application.
- Components include:
  - The user interface
  - The clinical data services engine, VistA Exchange, that federates clinical data from a variety of VA and the Department of Defense (DoD) sources into an enterprise virtual patient record
  - Clinical knowledge enrichment and clinical decision support services



# eHMP Value

## *To Veterans*

- Upon eHMP completion, Veterans will be engaged as full members of the care team. Care plans will be driven by their health goals and healthcare teams will have access to an improved presentation of health information.

## *To Healthcare Teams*

- VA healthcare teams will receive clinical knowledge enrichment, clinical decision support, and the right data at the right time from VA, the DoD, and other health care partners.
- eHMP will support customized workspaces that improve workflow while decreasing information overload.

## *To VA*

- eHMP is a foundational step towards enabling interoperability with the DoD and other health care partners, and for VistA Evolution, which will provide a comprehensive virtual patient record.
- eHMP is designed to rapidly integrate new solutions into the open standards, web-based platform. This improves usability, reduces development time, speeds deployment, and decreases risk in health information technology acquisitions.



# eHMP Features

- New features include intelligent filtering/text search, enhanced patient search, and context persistence.
- Integrated, chronological view of real-time electronic health record information from all VA and DoD facilities where a patient has received care
- Medications Review that combines disparate data domains and provides access to order history, refill history, and renewal due dates
- Timeline events



## eHMP is just a platform.....

### Examples of what you can do....

- Use existing VistA Evolution/eHMP capabilities of teams tasking, rules engines, and workflow engines to develop great decision and cognitive support and care pathways/delivery flows.
- New algorithmic methods to automate ongoing assessment of health information technology and care management safety and effectiveness.
- New algorithmic methods to automate assessment of care outcomes
- Methods for displaying Veteran goals and preferences and for linking these goals and preferences to specific care and treatment plans.



- **DEMO by James Hellewell**



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<https://www.vapulse.net/community/vista-evolution/ehmp>

### Software Development Kit (SDK) for eHMP

- Objectives of the SDK
- Provide a framework for adding incremental functionality to eHMP by creating new applets and server resources to access Vista Exchange
- In the future, provide an environment for sharing and collaborating on applets and functionality
- The SDK that is currently used for all internal eHMP and application development will serve as SDK for users to create applets.
- It will be made available to internal and external stakeholders Future Technologies Lab (FTL) (previously known as VACI Sandbox).



Questions

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Thank you very much.