**MHV Interfaces**

**Date: January 2016**



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| **Version** | **Date** | **Organization** | **Notes** |
| 0.1 | 12/14/2015 | MHV | Initial Draft – data consolidated from the following documents:   * MHV Data Services Presentation - 2013-05-15.ppt * MHV\_Domain\_Service\_Mapping.xls * MHV-HighLevelExternalInterfacesTest.vsd |
| 0.2 | 12/15/2015 | MHV | Updated to reflect only current support |
| 1.0 | 1/22/2016 | MHV | Reviewed and finalized |

**TABLE OF CONTENTS**

[1 Introduction 4](#_Toc441158695)

[2 Current MHV Services 4](#_Toc441158696)

[2.1 Supported MHV data domains and dependent data services used for accessing data 4](#_Toc441158697)

**FIGURES**

[Figure 1: High-Level External Interfaces Used by MHV 4](#_Toc441158698)

**TABLES**

[Table 1: Data services and Data Sources used by Supported MHV Data Domains 5](#_Toc438451482)

# Introduction

This document lists the current services available in MHV. The document also depicts the mapping of the existing MHV services and the services and or data sources they depend on.

# Current MHV Services

## Supported MHV data domains and dependent data services used for accessing data

Figure 1 below depicts the external systems and interfaces that MHV uses to fulfill data requests through its portal. Table 1 lists the data domains supported by MHV services and the corresponding data services and data sources used for fulfilling the data domain requests.



Figure : High-Level External Interfaces Used by MHV

|  |  |  |
| --- | --- | --- |
| **Data Domain** | **Date Service / Operation or Messaging Mechanism** | **Data Source** |
| Lab (C/H) | CDS / readClinicalData | HDR |
| Allergy | CDS / readClinicalData | HDR |
| SM | Ensemble/HL7 2.4 | VistA, ECS, Active Directory |
| SM Patient Clinician relationship | REST WS | PCMM web |
| Rx Refill | HL7 2.4 (HAPI) | VistA |
| BBMI (Images) | CVIX and/or VistALink | VistA |
| Appointments | Pathways/readData | VistA |
| Reminders | MDWS / getRemindersFromSite | VistA |
| VPR: Notes (Documents) | MDWS / getData | VistA/VPR GET PATIENT DATA RPC |
| VPR: Radiology Exams | MDWS / getData | VistA/VPR GET PATIENT DATA RPC |
| VPR: Microbiology | MDWS / getData | VistA/VPR GET PATIENT DATA RPC |
| VPR: Demographics | MDWS / getData | VistA/VPR GET PATIENT DATA RPC |
| VPR: Problem List | MDWS / getData | VistA/VPR GET PATIENT DATA RPC |
| VPR: Immunizations | MDWS / getData | VistA/VPR GET PATIENT DATA RPC |
| VPR: Vitals | MDWS / getData | VistA/VPR GET PATIENT DATA RPC |
| VPR: Discharge Summaries | MDWS / getData | VistA/VPR GET PATIENT DATA RPC |
| VPR: Accessions | MDWS / getData | VistA/VPR GET PATIENT DATA RPC |
| VPR: EKG | MDWS / getData | VistA/VPR GET PATIENT DATA RPC |
| VPR: Pathology | MDWS / getData | VistA/VPR GET PATIENT DATA RPC |
| Military Service Record | DEERS / Stored Procedure on DEERS | DEERS |
| Rx Tracking | ETL - data copied from CDW to eVault | CDW |
| Rx Tracking Images | ETL - data copied from CDW to eVault | CDW |
| IPA Signed Form | SOAP Web service call | VAPii |
| CCD/CCDA | SOAP web service call | CCD OS service |
| CCD OS service | SOAP web service call | eHealth Exchange Adapter |
| Patient/Veteran data (MHV/HLA) , User Registration for Match and Correlation, MHV Admin Portal IPA | HL7v3.0 | MVI |
| Direct | REST Web service call | VA Direct |
| MHV User Authentication | LDAP | SunOne LDAP |
| Admin Portal Authentication | SSOi web agent on Apache WS | SSOi |
| Help Desk | SOAP web service call | Oracle IRIS |
| HLA | MDWS SOAP web service call | VistA |
| Broadcast messages | Ensemble | MPI |
| Federated Credentials | Headers | VAAFI |
| MHV-DSLogon/eBenefits | Headers | VAAFI |

Table 1: Data services and Data Sources used by Supported MHV Data Domains