# Enterprise Health Management Platform (eHMP)

**Release Notes for Release Version 1.2.15 (Release of eHMP UI Version 1.2.6)**



# Department of Veterans Affairs

## October 2016

**Version 1.1**

## Revision History

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| --- | --- | --- | --- |
| **Date** | **Version** | **Description** | **Author** |
| 10/12/2016 | 1.1 | Updated to address HPS comments to change reference from Version 1.2.15 to eHMP UI Version  1.2.6 in tables 5.1, 5.2, and 5.3. | Accenture Federal Services |
| 09/26/2016 | 1.0 | Update to document eHMP v1.2.15 | ASM Research |

**Deliverable (Product) Version History**

(Note: Yellow highlights components that changed)

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| **Revision** | **Release Description** | **Date** | **eHMP User Interface (UI)** | **Health Management Platform (HMP) Patch** | **Pre-Requisite Patches** |
| 1.2.15 | eHMP UI 1.2.6 | 12-Oct-16 | eHMP UI 1.2.6 1.2.rc26.79841 | HMP 2.0\*1 T4 | HMP\*2.0 (HMP\_2-0\_20160223-02.KID) PSB\*3.0\*94 (PSB3\_0P94T6.KID)  PRB 2.9 (HMP\_PREREQ\_BUNDLE\_2-0\_V2-9.KID) |
| 1.2.14 | eHMP UI 1.2.5 | 1-Aug-16 | eHMP UI 1.2.5 1.2.5.77365 | HMP 2.0\*1 T4 | HMP\*2.0 (HMP\_2-0\_20160223-02.KID) PSB\*3.0\*94 (PSB3\_0P94T6.KID)  PRB 2.9 (HMP\_PREREQ\_BUNDLE\_2-0\_V2-9.KID) |
| 1.2.13 | HMP\*2.0\*1 | 25-Jul-16 | eHMP UI 1.2.4  1.2.4.70681 | HMP 2.0\*1 T4 | HMP\*2.0 (HMP\_2-0\_20160223-02.KID) PSB\*3.0\*94 (PSB3\_0P94T6.KID)  PRB 2.9 (HMP\_PREREQ\_BUNDLE\_2-0\_V2-9.KID) |
| 1.2.12 | PSB\*3.0\*94 | 10-May-16 | eHMP UI 1.2.4  1.2.4.70681 | HMP\*2.0 v6.1.7  (HMP\_2-0\_20160223- 02.KID) | PSB\*3.0\*94 T6 (PSB3\_0P94T6.KID)  PRB 2.9 (HMP\_PREREQ\_BUNDLE\_2-0\_V2-9.KID) |
| 1.2.11 | eHMP UI 1.2.4 | 06-Apr-16 | eHMP UI 1.2.4 1.2.4.70681 | HMP\*2.0 v6.1.7  (HMP\_2-0\_20160223- 02.KID) | PRB 2.9 (HMP\_PREREQ\_BUNDLE\_2-0\_V2-9.KID) |

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| **Revision** | **Release Description** | **Date** | **eHMP User Interface (UI)** | **Health Management Platform (HMP) Patch** | **Pre-Requisite Patches** |
| 1.2.10 | eHMP UI 1.2.3 | 17-Mar-16 | eHMP UI 1.2.3 1.2.3.64914 | HMP\*2.0 v6.1.7  (HMP\_2-0\_20160223- 02.KID) | PRB 2.9 (HMP\_PREREQ\_BUNDLE\_2-0\_V2-9.KID) |
| 1.2.9 | HMP\*2.0 PRB 2.9 | 04-Mar-16 | eHMP UI 1.2.2  1.2.2.49391 | HMP\*2.0 v6.1.7  (HMP\_2-0\_20160223- 02.KID) | PRB 2.9 (HMP\_PREREQ\_BUNDLE\_2-0\_V2-9.KID) (GMRC\*3.0\*80  MD\*1.0\*38 PSB\*3.0\*79 OR\*3.0\*390 TIU\*1.0\*106 TIU\*1.0\*298  USR\*1.0\*37) |
| 1.2.8 | HMP\*2.0 | 17-Feb-16 | eHMP UI 1.2.2  1.2.2.49391 | HMP\*2.0 v6.1.6  (HMP\_2-0\_20160217- 01.KID) | PRB 2.8 (HMP\_PREREQ\_BUNDLE\_2-0\_V2-8.KID) |
| 1.2.7 | HMP\*2.0 | 11-Feb-16 | eHMP UI 1.2.2  1.2.2.49391 | HMP\*2.0 v6.1.5  (HMP\_2-0\_20160201- 02.KID) | PRB 2.8 (HMP\_PREREQ\_BUNDLE\_2-0\_V2-8.KID) |
| 1.2.6 | HMP\*2.0 | 27-Jan-16 | eHMP UI 1.2.2  1.2.2.49391 | HMP\*2.0 v6.1.4  (HMP\_2-0\_20160122- 01.KID) | PRB 2.8 (HMP\_PREREQ\_BUNDLE\_2-0\_V2-8.KID) |

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| **Revision** | **Release Description** | **Date** | **eHMP User Interface (UI)** | **Health Management Platform (HMP) Patch** | **Pre-Requisite Patches** |
| 1.2.5 | PRB 2.8 | 09-Jan-16 | eHMP UI 1.2.2  1.2.2.49391 | HMP\*2.0 v6.1.3  (HMP\_2-0\_20151030- 01.KID) | PRB 2.8  (HMP\_PREREQ\_BUNDLE\_2-0\_V2-8.KID) (GMRC\*3.0\*80  MD\*1.0\*38 PSB\*3.0\*79 OR\*3.0\*390 TIU\*1.0\*106 TIU\*1.0\*298  USR\*1.0\*37) |
| 1.2.4 | HMP\*2.0 | 30-Dec-15 | eHMP UI 1.2.2  1.2.2.49391 | HMP\*2.0 v6.1.3  (HMP\_2-0\_20151030- 01.KID) | PRB 2.4 (HMP\_PREREQ\_BUNDLE\_2-0\_V2-4.KID) |
| 1.2.3 | eHMP UI 1.2.2 | 17-Nov-15 | eHMP UI 1.2.2 1.2.2.49391 | HMP\*2.0 v6.1.2.J  (HMP\_2-0\_20150910- 04.KID) | PRB 2.4 (HMP\_PREREQ\_BUNDLE\_2-0\_V2-4.KID) |
| 1.2.2 | eHMP UI 1.2.1 HMP\*2.0  PRB 2.4 | 14-Oct-15 | eHMP UI 1.2.1 1.2.1.47792 | HMP\*2.0 v6.1.2.J  (HMP\_2-0\_20150910- 04.KID) | PRB 2.4  (HMP\_PREREQ\_BUNDLE\_2-0\_V2-4.KID) (GMRC\*3.0\*80  MD\*1.0\*38 PSB\*3.0\*79 OR\*3.0\*390 TIU\*1.0\*106 TIU\*1.0\*298  USR\*1.0\*37) |
| 1.2.1 | HMP\*2.0 | 22-Aug-15 | N/A | HMP\*2.0 v6.1 | N/A |

## Table of Contents

1. [Introduction 1](#_bookmark0)
   1. [Purpose 1](#_bookmark1)
   2. [Scope 1](#_bookmark2)
2. [Release Method 2](#_bookmark3)
3. [Installation Requirements 3](#_bookmark4)
   1. [Prerequisites for Installation 3](#_bookmark5)
   2. [Needed DLLs 3](#_bookmark6)
   3. [M Triggers 3](#_bookmark7)
   4. [Files 3](#_bookmark8)
   5. [Approved Integration Control Registrations 3](#_bookmark9)
   6. [New Parameters 3](#_bookmark10)
   7. [Operational Data Sync and Patient Data Sync 3](#_bookmark11)
4. [Known Issues 5](#_bookmark12)
   1. [Known Patient Safety Issues 5](#_bookmark13)
   2. [Other Known Issues 5](#_bookmark14)
5. [Included New Functionality and Defect Fixes 13](#_bookmark16)
   1. [Included User Stories 13](#_bookmark17)
   2. [Fixed Defects 13](#_bookmark19)
   3. [Fixed VA Defects 14](#_bookmark21)
6. [Appendix 1 – M Triggers 15](#_bookmark23)
7. [Appendix 2 – Files 27](#_bookmark25)
8. [Appendix 3 – Approved Integration Control Registrations 52](#_bookmark27)
9. [Appendix 4 – New Parameters 57](#_bookmark29)

**Table of Tables**

[**Table 4-1 Other Known Issues 5**](#_bookmark15)

[**Table 5-1 Incorporated User Stories 13**](#_bookmark18)

[**Table 5-2 Fixed Defects 13**](#_bookmark20)

[**Table 5-3 Fixed VA Defects 14**](#_bookmark22)

[**Table A-1 M Triggers 15**](#_bookmark24)

[**Table B-1 VA FileMan Files 27**](#_bookmark26)

[**Table C-1 Approved Integration Control Registrations 52**](#_bookmark28)

[**Table D-1 New Parameters 57**](#_bookmark30)

# Introduction

The Enterprise Health Management Platform (eHMP) project is a multi-year effort to evolve a modern, service-oriented platform which provides a web-based user interface (UI), clinical data services, and assembles patient clinical data from federated Veterans Health Information Systems and Technology Architecture (VistA) repositories, Department of Defense (DoD), and private partner data sources, reflective of each location providing care to the patient. This federated data is aggregated into an enterprise patient record. eHMP service components will span all application layers, including presentation, business and core services, and data access.

Release 1.1 was the first step in the plan to eventually replace the Computerized Patient Record System (CPRS) as the Department of Veterans Affairs (VA’s) primary point of care application, and was the initial platform product supporting a web-based UI.

Release 1.2 introduces critical viewer edition enhancements to provide new capabilities to the VA beyond what is available today via CPRS, Joint Legacy Viewer (JLV), and VistAWeb. The system provides enhanced presentations of clinical data that range from trend views that provide a quick snapshot of easily understandable data, to detailed views that provide the user with a full range of options for examining longitudinal patient medical records. Users are able to configure these views into a limitless number of custom workspaces in order to support a variety of clinical workflows. There are multiple pre-configured workspaces available to the user, which are filtered for specific conditions. The workspaces provide the appropriate clinical information for a selected condition (e.g., COPD, Diabetes). Further enhancements included adding the Military History applet, improved text search across the entire patient record, and more extensive online help utilizing an expanded User Guide.

## Purpose

These release notes pull together the approved Change Requests (CRs), feature and/or user story updates, and closed and known defects associated with a release.

This version of the release notes covers the release of eHMP Version 1.2.15 that incorporates the release of eHMP UI 1.2.6.

## Scope

These release notes associated with eHMP Release Version 1.2.15 are the first notes for this release.

# Release Method

Release execution is dependent upon the type of code released. These consolidated release notes will cover both VistA (Kernel Installation and Distribution System (KIDS)) and eHMP UI (web- based) releases, as both comprise the totality of eHMP as an application. Releases will occur first in Pre-production/Test accounts and then in Production.

The rollout strategy for both types of code depends upon the complexity of the release. Complex releases will be executed as a controlled release by wave, while more routine releases will be executed simultaneously nation-wide, following the standard national patch release process.

VistA releases will occur via FORUM and eHMP UI releases will be executed by the Release Team installing eHMP code into the Austin Information Technology Center (AITC) accounts. Following successful deployment to AITC, the Release Team will install the same version into the Philadelphia Information Technology Center (PITC) Production account for a warm-based failover contingency.

# Installation Requirements

## Prerequisites for Installation

Sites up to date with nationally released patches installed. There are no other preconditions to install the PREREQUISITE BUNDLE. The bundle is the prerequisite to installing the HMP patch and PSB\*3.0\*94. The recommended sequence for installation is the prerequisite bundle, HMP patch, PSB\*3.0\*94.

## Needed DLLs

Not applicable to eHMP.

## M Triggers

Appendix 1 lists a description of triggers/events that impact eHMP.

## Files

Appendix 2 provides a list of new/modified VA FileMan files that are exported with eHMP KIDS patches.

## Approved Integration Control Registrations

Appendix 3 provides the eHMP Integration Control Registrations (ICRs).

## New Parameters

Appendix 4 provides a list of new parameters for eHMP VistA, exported using the Kernel Parameters File. There are no new parameters for the eHMP UI.

## Operational Data Sync and Patient Data Sync

In the current eHMP system, all operational data from the primary VistA site must be complete before any patient sync can occur. The approach for handling operational data in VistA Exchange Synchronization (VX-Sync), however, must eliminate blocking where possible, avoid bottlenecks, and contribute to the overall scalability of the system.

**Implementation Strategy for VX-Sync**

Operational Data Subscription Handler - The purpose of the Operational Data Subscription Handler is simply to initiate the operational data sync. It will accept an operational subscription job which contains a list of sites to subscribe for operational data. For each site in the given list, it will send out the appropriate remote procedure call (RPC) so that the site will begin staging and sending operational data.

Integration of metastamps - Metastamps will be applied to operational data up to the "source" layer so that the system can keep track of the progress of the initial operational data sync per site. An operational data metastamp is used to ensure that all the operational data from a site is received during the initial sync with that site. Operational data does not have a last edit time to be used for the metastamp. Therefore, the operational data metastamp will be produced using the request time instead, similar to secondary site data.

Operational data pathway (Store Operational Data Handler and additions to Vista Site Data Poller) - Data sent by the VistA systems will be received by the Vista Site Data Pollers. The Data Pollers will receive both operational and patient data from the primary sources; however, it is not appropriate for operational data to be sent to the Record Enrichment Handler. Therefore, the Vista-Record-Processor determines which type of data it receives and subsequently send that data on the appropriate pathway. If the handler receives operational data, it will send it to a Store Operational Data Handler. The Store Operational Data Handler will send the operational data to JSON Data Store (JDS) to be stored in the appropriate section of JDS.

Determining when a site is ready to sync patients - The Sync Rules Engine includes rules to make sure that a primary site is not synchronized until its operational data has been successfully loaded.

# Known Issues

## Known Patient Safety Issues

There are no registered patient safety issues addressed in this version of eHMP.

## Other Known Issues

At the time of this writing, all known issues are listed in Table 4-1.

**Table 4-1 Other Known Issues**

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| **Other Known Issues** | | | |
| **ID** | **Name** | **Severity** | **Opened Date** |
| DE2248 | Slow interaction Performance on the CBW workspace | 1-Critical | 09/02/2015 |
| DE2956 | Conditions-Horizontal scroll thumb missing in conditions details form | 5-Cosmetic | 10/27/2015 |
| DE2957 | Numeric Lab Results: Dates in graphs overlap in detail view | 4-Low | 02/16/2016 |
| DE3057 | Visit date showing up as 'Invalid Date' on patient select page | 4-Low | 11/10/2015 |
| DE3222 | 502 errors as pertaining to user message Server Error: The server encountered a temporary error and could not complete your request during RC13 Testing/Gating in VA IT 12/8/2015 | 3-Medium | 12/10/2015 |
| DE3409 | MAXSTRING at STRING+7^HMPD in Portland Production | 3-Medium | 01/06/2016 |
| DE3742 | Search has a synonym of g for the search term glucose | 4-Low | 02/09/2016 |
| DE3820 | Remove line tag NAME in routine HMPDJ04E | 4-Low | 02/18/2016 |
| DE3824 | Pre-Prod\_Workspace 'Author' Field is Not Displaying Correctly | 4-Low | 02/19/2016 |
| DE3851 | RDK: Change artifact from zip to tar | 4-Low | 02/22/2016 |
| DE3944 | Procedures (Surgery/SR) and their result documents do not trigger a freshness update | 2-High | 02/29/2016 |
| DE4024 | Allergy and Orders applet summary detail view not working | 4-Low | 03/07/2016 |
| DE4053 | IV Medication Status does not accurately reflect status within the A&R and Meds Review Applets | 2-High | 03/10/2016 |
| DE4073 | SDD Review: KIDS 6-1-7 | 3-Medium | 03/11/2016 |

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| **Other Known Issues** | | | |
| **ID** | **Name** | **Severity** | **Opened Date** |
| DE4130 | Depression/Hypertension/Pre-Procedure CBWs - Numeric Lab Results applet: "Count" listed twice in filter container | 5-Cosmetic | 03/16/2016 |
| DE4170 | Workspace Editor: "Select A View" pop-up gets partially obscured by other applets | 4-Low | 03/22/2016 |
| DE4173 | Reports- Note text in reports is missing from the report in eHMP | 1-Critical | 03/29/2016 |
| DE4198 | ICR 2048 Remediation - HMP should use the VPR 1.5+ improvements to use ENCEVENT^PXKENC | 3-Medium | 03/24/2016 |
| DE4210 | VA-309 - MUMPS Error at sign in | 3-Medium | 03/25/2016 |
| DE4214 | HMPUPD and HMP PUT DEMOGRAPHICS are unused and need to be removed | 4-Low | 03/25/2016 |
| DE4264 | ICR 2686 - OE/RR direct reference to XTV(8989.5 | 4-Low | 03/31/2016 |
| DE4382 | ICR 6395 - HMP READ ACCESS TO PS(55 | 4-Low | 04/11/2016 |
| DE4384 | ICR 6277 - HMP ACCESS TO the MH Questions file (#601.72) | 3-Medium | 04/11/2016 |
| DE4474 | GETKEYS^HMPCRPC1 does not handle broken key pointers or delegated keys | 3-Medium | 08/05/2016 |
| DE4486 | Test Audit - PSI 11.A User Stories | 4-Low | 04/19/2016 |
| DE4488 | ICR 6369 - Accessing the MEDICATION ROUTES File (#51.2) using direct global reads | 2-High | 04/20/2016 |
| DE4496 | Patient loop exits prematurely during Operational Data Synch if DFN is less than zero. (pt-select domain) | 2-High | 04/20/2016 |
| DE4611 | checkHealth does not included commas between list elements | 3-Medium | 04/28/2016 |
| DE4630 | GDT: After selecting dates, cannot select enter to exit date fields | 4-Low | 06/02/2016 |
| DE4777 | Undefined Error in DC Production | 4-Low | 05/11/2016 |
| DE4827 | 1.2 - Cosmetic: UDW : Scrollbar is not Moving all the way right in UDW | 3-Medium | 05/17/2016 |
| DE4841 | 1.2 and 2.0 Cosmetic: - VA-358 Nationwide search instructions incomplete and cause confusion. | 5-Cosmetic | 06/13/2016 |
| DE5033 | Replace calls to the CODEC^ICDCODE API to use CODEC^ICDEX API | 3-Medium | 05/27/2016 |
| DE5111 | Undefined error retrieving child orders GET+8^ORQ12 | 4-Low | 06/03/2016 |
| DE5131 | VA-379 - Strange Facility names in the eHMP Data Sources | 3-Medium | 06/06/2016 |

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| **Other Known Issues** | | | |
| **ID** | **Name** | **Severity** | **Opened Date** |
| DE5139 | Undefined error in ORWPCE PCE4NOTE remote procedure (production) | 2-High | 06/06/2016 |
| DE5153 | VA-391 - Meds Review - An error has occurred | 1-Critical | 06/07/2016 |
| DE5163 | VA-387 - Inpatient meds showing in error | 2-High | 06/07/2016 |
| DE5209 | The VX-Sync did not get a new update for the provider at initial sync and freshness update | 3-Medium | 06/20/2016 |
| DE5287 | Procedure Document UID does not correspond to actual Document | 2-High | 06/14/2016 |
| DE5316 | Creating an Infusion Order prevents Active & Recent Applet Meds from loading in 1.2 DIT | 2-High | 06/15/2016 |
| DE5319 | 1.2 Cosmetic: Kodak: Scroll bar is displaying in "Audiology" quick look and unable to scroll to view the facility which is being cut off. | 5-Cosmetic | 06/16/2016 |
| DE5353 | Text Search suggestions throwing 500 error | 3-Medium | 06/17/2016 |
| DE5360 | VA-421 'F281 Inpatient Immunizations Applet - Not able to ADD filter' | 4-Low | 07/14/2016 |
| DE5364 | Locations resource using own version of pt-select | 3-Medium | 06/17/2016 |
| DE5369 | Sync Adverse Reaction Assessment data to JDS | 3-Medium | 06/17/2016 |
| DE5375 | Vitals (Trend/Expanded/Maximized views): Only most recent BMI calculation is displayed when multiple height and/or weight entries are entered in the same day | 4-Low | 06/20/2016 |
| DE5376 | 1.2 - Cosmetic: ETS\_Patient Flag is Missing Scroll Bar | 3-Medium | 06/20/2016 |
| DE5411 | Rebooked appointments have incorrect status | 4-Low | 06/22/2016 |
| DE5440 | Military applet is missing the help icon in both environments 1.2 DIT and Combo | 3-Medium | 06/24/2016 |
| DE5443 | VA-431 Problems applet, detailed view does not have a field for ICD 10 | 4-Low | 06/24/2016 |
| DE5451 | GDF (Timelime Summary) is not displaying the last Date/Events in the timeline when loaded with (ALL-Range) Data | 5-Cosmetic | 06/24/2016 |
| DE5465 | 1.2 - Cosmetic: Demographics and Primary Care header: arrow pointing in wrong direction | 4-Low | 06/27/2016 |
| DE5632 | Vitals Applet: Trend View data does not match after switching to expanded view and back to trend view | 3-Medium | 07/11/2016 |
| DE5701 | VA-443 Patient Selection Bar Disappears (error with Vitals) | 3-Medium | 07/14/2016 |
| DE5716 | ETS: Quick Look tool- tip window displays if there is no dot within the orange diamond | 3-Medium | 07/14/2016 |

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| **Other Known Issues** | | | |
| **ID** | **Name** | **Severity** | **Opened Date** |
| DE5717 | Med Review filter doesn’t persist in a CBW after maximizing | 3-Medium | 07/14/2016 |
| DE5718 | No double arrows on the horizontal bar for CBWs | 5-Cosmetic | 07/14/2016 |
| DE5719 | VA-480 More Strange (Lab/Rad) orders in the meds applets | 2-High | 07/14/2016 |
| DE5720 | No scroll bar on flags on a patients record | 4-Low | 07/14/2016 |
| DE5724 | Diabetes Mellitus renders slow in VA Performance environment | 3-Medium | 07/15/2016 |
| DE5725 | Meds Review renders slow in VA Performance environment | 3-Medium | 07/15/2016 |
| DE5776 | VA-481 - Workspace Editor Naming Convention | 4-Low | 07/19/2016 |
| DE5816 | Production - Patient will not sync | 2-High | 08/02/2016 |
| DE5820 | TypeError: "Unable to get property 'destroy' of undefined or null reference" Unable to load certain Patients | 4-Low | 07/20/2016 |
| DE5854 | Possible memory leak or garbage collection issue detected during endurance stress test against single RDK VM | 2-High | 07/21/2016 |
| DE5875 | Data sources on Footer are disappearing after data in applets is loaded | 3-Medium | 07/21/2016 |
| DE5880 | SNOMED CT external site unreachable in VA environments | 3-Medium | 07/22/2016 |
| DE5882 | Patient Search Logs Missing Demographics As An Error | 3-Medium | 07/22/2016 |
| DE5883 | Numeric Lab Results: Lab Results are overlapping | 5-Cosmetic | 07/22/2016 |
| DE5886 | R1.2 Documents Applet not displaying expected document types | 1-Critical | 07/22/2016 |
| DE5916 | Clinical reminders show in CPRS but not eHMP r1.2 | 1-Critical | 07/22/2016 |
| DE5917 | RDK r1.2 logs sensitive information at info level for suggest Search | 2-High | 07/22/2016 |
| DE5932 | CCOW- Context link to vault server not set in eHMP | 3-Medium | 07/24/2016 |
| DE5947 | VA-435 Patient demographics errors | 4-Low | 07/25/2016 |
| DE5951 | RDK asu get Permission Missing Callback | 3-Medium | 07/25/2016 |
| DE5956 | (1.2 only) Pre Prod is displaying the wrong error message when Access/Verify codes need to be changed | 3-Medium | 07/25/2016 |

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| **Other Known Issues** | | | |
| **ID** | **Name** | **Severity** | **Opened Date** |
| DE5970 | Search box results are not aligned | 4-Low | 07/26/2016 |
| DE5988 | (2.0) Narrative Lab Results (all views): incorrect tooltips | 5-Cosmetic | 07/27/2016 |
| DE6003 | R1.2: Patient information is not cleared after a user logs out | 2-High | 07/27/2016 |
| DE6041 | Unable to access patient record following nationwide search if one of the VX-Sync sources fails/unavailable | 3-Medium | 07/29/2016 |
| DE6043 | Problems Applet- Quick look display Last Updated Value instead of Onset Date | 4-Low | 07/29/2016 |
| DE6045 | Stack Graphs: Unable to open details of medications | 3-Medium | 07/29/2016 |
| DE6047 | Freshness stream error when deleting "tidy" nodes TIDYX+3^HMPDJFSG | 3-Medium | 07/29/2016 |
| DE6062 | Osync using old version of vista-js node module | 3-Medium | 08/01/2016 |
| DE6077 | Http error codes not being caught on RDK | 3-Medium | 08/01/2016 |
| DE6094 | Possible Request.js Memory Leak | 3-Medium | 08/02/2016 |
| DE6110 | R 1.2: Console error: View Type: 'undefined' is not available for the undefined applet | 4-Low | 08/02/2016 |
| DE6147 | Change direct global read of DIC(4 in HMPTFU2 to be FileMan reads | 3-Medium | 08/03/2016 |
| DE6148 | Need to validate logged in site when changing patient context | 2-High | 08/03/2016 |
| DE6159 | Overview Load Time - Performance Issue | 2-High | 08/04/2016 |
| DE6161 | User Log In - Performance Issue | 2-High | 08/04/2016 |
| DE6163 | Workspace Manager - Performance Issue | 3-Medium | 08/04/2016 |
| DE6165 | Workspace Editor - Performance Issue | 3-Medium | 08/04/2016 |
| DE6166 | Delete Workspace - Performance Issue | 3-Medium | 08/04/2016 |
| DE6168 | Error when building consult domains, MAXSTRING at Indianapolis | 4-Low | 08/04/2016 |
| DE6171 | Depression workspace from dropdown menu - Performance Issue | 3-Medium | 08/04/2016 |
| DE6175 | Hypertension workspace drop down menu - Performance Issue | 3-Medium | 08/04/2016 |
| DE6176 | Coversheet workspace drop down menu - Performance Issue | 3-Medium | 08/04/2016 |
| DE6177 | Overview workspace dropdown menu - Performance Issue | 2-High | 08/04/2016 |

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| **Other Known Issues** | | | |
| **ID** | **Name** | **Severity** | **Opened Date** |
| DE6188 | Patient Search - Performance Issue | 2-High | 08/05/2016 |
| DE6192 | Maximize icon for Encounters Applet - Performance Issue | 3-Medium | 08/05/2016 |
| DE6194 | Maximize Applet Icon for Lab Results Applet - Performance Issue | 2-High | 08/05/2016 |
| DE6195 | VA-488 - In eHMP a different patient comes up from the one that is searched in nationwide search | 1-Critical | 08/05/2016 |
| DE6196 | VA-490 - Inaccurate Filter Results on Documents Applet | 4-Low | 08/05/2016 |
| DE6200 | GDT - Global Date Timeline Applet | 2-High | 08/05/2016 |
| DE6203 | Clinical Reminders - GDT | 4-Low | 08/05/2016 |
| DE6204 | Conditions Applet on its own workspace - Global Date Timeline | 2-High | 08/05/2016 |
| DE6206 | Immunizations applet on its own workspace - Global Date Timeline - Issue | 2-High | 08/05/2016 |
| DE6207 | Encounters applet on its own workspace - Global Date Timeline | 2-High | 08/05/2016 |
| DE6208 | Meds Review on its own workspace - Global Date Timeline - Issue | 2-High | 08/05/2016 |
| DE6209 | Allergies applet on its own workspace - Global Date Timeline - Issue | 2-High | 08/05/2016 |
| DE6210 | Vitals applet on its own workspace - GTDF - Issue | 2-High | 08/05/2016 |
| DE6211 | Labs - Global Date Timeline - Issue | 2-High | 08/05/2016 |
| DE6212 | Lab Results - GTDF - Issue | 2-High | 08/05/2016 |
| DE6213 | Access eHmp home page - Issue | 2-High | 08/05/2016 |
| DE6250 | Orders applet- Bottom scroll arrow is missing from Expanded view | 3-Medium | 08/08/2016 |
| DE6254 | Xpolog index problem with User Metrics Successful User Logins | 3-Medium | 08/08/2016 |
| DE6255 | XpoLog LoadBalancer Dashboard Outstanding Call Response Metrics visuals | 3-Medium | 08/08/2016 |
| DE6259 | PEP: sensitive RPC call error during synch | 2-High | 08/08/2016 |
| DE6262 | Bring HMP\*2.0\*1 patch up to proper version in git, Change kids-manifest.json to have KIDS builds in proper place | 4-Low | 08/09/2016 |
| DE6270 | VA-494 New Workspace has Problems applets in it | 4-Low | 08/09/2016 |

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| **Other Known Issues** | | | |
| **ID** | **Name** | **Severity** | **Opened Date** |
| DE6275 | VA Prod - Encounters is not showing charts | 2-High | 08/09/2016 |
| DE6277 | Line 19 in vxsync\_vista upstart script needs to be changed from 'sh /opt/vxsync\_client...' to 'sh  /opt/vxsync\_vista...' | 3-Medium | 08/09/2016 |
| DE6281 | Load Clinic data once per user session | 1-Critical | 08/10/2016 |
| DE6287 | Appointments&Visits applet: Bottom scroll arrow is missing from applet | 3-Medium | 08/10/2016 |
| DE6288 | VA-491 - Vitals applet performance slow | 2-High | 08/10/2016 |
| DE6290 | VA-492 Status Error - 500 received when searching wards | 2-High | 08/10/2016 |
| DE6291 | suggestSearch.js logs the entire rdk config | 3-Medium | 08/10/2016 |
| DE6294 | VA -493 - Things that are not outpatient meds are showing up in the outpatient meds section of Meds Review applet | 3-Medium | 08/10/2016 |
| DE6295 | Disable ODS check in RDK | 1-Critical | 08/10/2016 |
| DE6301 | RDK Logging performance | 3-Medium | 08/10/2016 |
| DE6303 | User VK in COMBO/PANORAMA unable to create new UDW | 4-Low | 08/10/2016 |
| DE6306 | get-op-data uses inefficient JDS queries | 3-Medium | 08/11/2016 |
| DE6308 | RDK Operational Data Interceptor Performance Issue | 2-High | 08/11/2016 |
| DE6309 | Pre-Prod/Prod: Performance Lag when loading clinics - RDK | 2-High | 08/11/2016 |
| DE6310 | Sync Interceptor Clears and Re-syncs patients 24 hours after Sync | 1-Critical | 08/11/2016 |
| DE6316 | JDS: Remove apiVersion from response body | 4-Low | 08/11/2016 |
| DE6318 | Tracking: SNOMED CT external site unreachable in VA environments | 3-Medium | 08/11/2016 |
| DE6339 | Debug 2 RDK tests that are failing in Jenkins due to Cache upgrade | 2-High | 08/12/2016 |
| DE6341 | Allergies applet : Next and Previous buttons always take user to first and last records in the applet when first clicked | 4-Low | 08/14/2016 |
| DE6342 | History of Lab- Duplicate History is displayed | 3-Medium | 08/15/2016 |
| DE6343 | Refactor Immunizations details modal to use the collection eventing approach | 4-Low | 08/15/2016 |

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| **Other Known Issues** | | | |
| **ID** | **Name** | **Severity** | **Opened Date** |
| DE6344 | Order a Lab Test form- previous and Next icons are displayed | 4-Low | 08/15/2016 |

# Included New Functionality and Defect Fixes

## Included User Stories

User stories introduced in eHMP UI Version 1.2.6 are listed in Table 5-1.

**Table 5-1 Incorporated User Stories**

|  |  |  |
| --- | --- | --- |
| **ID** | **Name** | **Opened Date** |
| US12377 | Notes Enhancement: Performance: Create a new ASU endpoint to take a list of documents | 12/30/2015 |
| US15014 | F1041: Horizontal scaling for VX Sync |  |
| US16265 | backport standalone ASU deployment to r1.2 |  |
| US16351 | (r1.2) Limit Data Status to a single request at a time | 07/25/2016 |
| US16447 | F927 - Regression 1.2 Testing - RC26 |  |

## Fixed Defects

Defects specifically resolved in eHMP UI Version 1.2.6 are listed in Table 5-2.

**Table 5-2 Fixed Defects**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **ID** | **Name** | **Severity** | **Opened Date** | **Test Method**  **/Test Case Identifier** |
| DE3794 | 1.2 eHMP UI: Trend View Applets Resizing Issue | 5-Cosmetic | 02/15/2016 | None |
| DE4167 | Pre-defined filters in CBWs: Numeric Lab Results applet in the Hypertension CBW displaying incorrect records | 3-Medium | 03/22/2016 | TC5436 |
| DE4255 | The pidmeta generic data store does not follow VPR conventions | 2-High | 03/30/2016 | TC5261 |
| DE4311 | eHMP UI: Duplicated Workspaces Not Arranging Correctly | 4-Low | 04/05/2016 | None |
| DE4314 | Narrative Lab Results (all views): incorrect tooltips | 5-Cosmetic | 04/05/2016 | None |
| DE4412 | VA-336 - The partial workspace error is back | 2-High | 04/13/2016 | None |
| DE4924 | Narrative Lab Results - Filter not returning results correctly | 3-Medium | 05/23/2016 | TC5210 |
| DE5368 | Discontinuing Active meds displays the medication twice within the A&R applet (1.2 DIT) | 3-Medium | 06/17/2016 | TC5598 TC5601 |
| DE5445 | Search Records: Getting different search suggestions based on a Capital letter | 3-Medium | 06/24/2016 | TC5297 |

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| --- | --- | --- | --- | --- |
| **ID** | **Name** | **Severity** | **Opened Date** | **Test Method**  **/Test Case Identifier** |
| DE5528 | Pre-defined filters in CBWs: predefined filters are missing from Hypertension, Depression and other predefined screens. | 3-Medium | 07/06/2016 | TC5420 |
| DE5612 | Performance (Numeric Lab Results/Orders applets): refresh triggered during infinite scrolling | 3-Medium | 07/11/2016 | None |
| DE5667 | 1.2 - ETS\_eHMP Data Sources Modal displays last update as 411 years ago | 3-Medium | 07/13/2016 | TC5612 |
| DE5674 | VA-471 - Lab Error Upon Refresh Goes From Critical to Abnormal | 1-Critical | 07/13/2016 | None |
| DE5686 | Nationwide Search cannot determine sync status of patient demographic data | 3-Medium | 07/13/2016 | TC5523 TC5574 |
| DE5780 | Test Patient 9E7A;230 does not complete - It appears that no response is received from JMeadows. 1.2 | 2-High | 07/19/2016 | TC5626 |
| DE5881 | PEP Error Messages (1.2) | 3-Medium | 07/22/2016 | None |
| DE5886 | R1.2 Documents Applet not displaying expected document types | 1-Critical | 07/22/2016 | None |
| DE5924 | Resource Server: bluepill will not restart the service under certain conditions | 2-High | 07/23/2016 | None |
| DE5951 | RDK asu getPermission Missing Callback | 3-Medium | 07/25/2016 | None |
| DE5977 | Search suggestion drop down returns incomplete suggestion | 2-High | 07/26/2016 | None |

## Fixed VA Defects

VA reported defects specifically resolved in eHMP UI Version 1.2.6 are listed in Table 5-3.

**Table 5-3 Fixed VA Defects**

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| **Fixed VA Defects** | | | | | |
| **VA ID** | **ID** | **Name** | **Severity** | **Opened Date** | **Test Method/Test Case Identifier** |
| VA-336 | DE4412 | VA-336 - The partial workspace error is back | 2-High | 04/13/2016 | None |
| VA-471 | DE5674 | VA-471 - Lab Error Upon Refresh Goes From Critical to Abnormal | 1-Critical | 07/13/2016 | None |

# Appendix 1 – M Triggers

Table A-1 details the M Triggers.

**Table A-1 M Triggers**

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| **M Triggers** |
| PROTOCOL LIST MAR 3,2016 07:11 PAGE 1  NUMBER: 6167 NAME: HMP ADT-A04 CLIENT  ITEM TEXT: HMP HL7 ADT-A04 Client TYPE: subscriber CREATOR: PROGRAMMER,ONE  DESCRIPTION: This client protocol is used to process HL7 ADT/A04 messages published by the VAFC ADT-A04 SERVER protocol.  The client causes a HMP 'freshness' event for each new patient registration that occurs. This is especially important for new patients, as it is the only MAS event mechanism available that can be used to discover new patient entries.  Note: The ROUTING LOGIC does not send any HL7 messages. As mentioned above, It adds a HMP (Health Management Platform) 'freshness' event.  IDENTIFIER: HMP ADT-A04 CLIENT TIMESTAMP: 63971,54512 RECEIVING APPLICATION: HMP HL7 RESPONSE MESSAGE TYPE: ADT ROUTING LOGIC: D ADT^HMPEHL7($G(HLFS),HLNEXT,$G(HLNODE),HLQUIT)  NUMBER: 6168 NAME: HMP ADT-A08 CLIENT  ITEM TEXT: HMP HL7 ADT-A08 Client TYPE: subscriber CREATOR: PROGRAMMER,ONE  DESCRIPTION: This client protocol is used to process HL7 ADT/A08 messages published by the VAFC ADT-A08 SERVER protocol.  The client filters A08 events. It adds to the HMP 'freshness' queue only if the A08 was the result of the patient's sensitivity being modified via the DG SECURITY EDIT/EDIT option. All other A08 events are ignored and should not add to the 'freshness' queue.  Note: The ROUTING LOGIC does not send any HL7 messages. As mentioned above, It adds a HMP (Health Management Platform) 'freshness' event.  TIMESTAMP: 63971,54512 RECEIVING APPLICATION: HMP HL7 RESPONSE MESSAGE TYPE: ADT  ROUTING LOGIC: D ADT^HMPEHL7($G(HLFS),HLNEXT,$G(HLNODE),HLQUIT)  NUMBER: 6169 NAME: HMP APPT EVENTS  ITEM TEXT: Appointment events for HMP  TYPE: action CREATOR: PROGRAMMER,ONE  DESCRIPTION: This protocol will track appointments for HMP.  IDENTIFIER: HMP APPT EVENTS ENTRY ACTION: D SDAM^HMPEVNT(SDATA) TIMESTAMP: 63971,54512  NUMBER: 6170 NAME: HMP DG UPDATES  ITEM TEXT: DG updates for HMP TYPE: action CREATOR: PROGRAMMER,ONE  DESCRIPTION: This protocol will track Patient file changes for HMP. IDENTIFIER: HMP APPT EVENTS  ENTRY ACTION: D DG^HMPEVNT(DGDA,DGFIELD,DGFILE) TIMESTAMP: 63971,54512  NUMBER: 6191 NAME: HMP DGPF ASSIGN FLAG  TYPE: action CREATOR: PROGRAMMER,ONE PACKAGE: HEALTH MANAGEMENT PLATFORM  DESCRIPTION: Used to trigger a JDS update when the DGPF ASSIGN FLAG action protocol is used. A patient must have been selected and the DFN value is in  DGDFN. |

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| **M Triggers** |
| ENTRY ACTION: I $G(DGDFN),$L($T(POST^HMPEVNT)) D POST^HMPEVNT(DGDFN,"patient", DGDFN)  NUMBER: 6171 NAME: HMP GMPL EVENT  ITEM TEXT: Problem List events for HMP  TYPE: action CREATOR: PROGRAMMER,ONE  DESCRIPTION: This protocol will track new and updated problems for HMP. IDENTIFIER: HMP GMPL EVENT ENTRY ACTION: D GMPL^HMPEVNT(DFN,GMPIFN) TIMESTAMP: 63971,54512  NUMBER: 6175 NAME: HMP GMRA EVENTS  ITEM TEXT: Allergy Events for HMP TYPE: action CREATOR: PROGRAMMER,ONE  DESCRIPTION: This protocol will track Allergy data updates for HMP. ENTRY ACTION: D GMRA^HMPEVNT("") TIMESTAMP: 63971,54512  NUMBER: 6172 NAME: HMP INPT EVENTS  ITEM TEXT: Inpatient Movement events for HMP  TYPE: action CREATOR: PROGRAMMER,ONE  DESCRIPTION: This protocol will track patient admissions and discharges for HMP.  ENTRY ACTION: D DGPM^HMPEVNT(DGPMA,DGPMDA,DGPMP,DGPMT) TIMESTAMP: 63971,54512  NUMBER: 6177 NAME: HMP MDC EVENT  ITEM TEXT: CLiO events for HMP TYPE: action CREATOR: PROGRAMMER,ONE  DESCRIPTION: This protocol will track new and updated observations for HMP. ENTRY ACTION: D MDC^HMPEVNT(.MDCOBS) TIMESTAMP: 63971,54512  NUMBER: 6176 NAME: HMP NA EVENTS  ITEM TEXT: XQOR HL7 events for HMP TYPE: action CREATOR: PROGRAMMER,ONE  DESCRIPTION: This protocol monitors order events for HMP. It is placed on the OR EVSEND \* protocols to check for order numbers assigned to new orders placed from the ancillary packages.  ENTRY ACTION: D NA^HMPEVNT(.XQORMSG) TIMESTAMP: 63971,54512  NUMBER: 6173 NAME: HMP PCE EVENTS  ITEM TEXT: PCE events for HMP TYPE: action CREATOR: PROGRAMMER,ONE  DESCRIPTION: This protocol will track PCE visit data for HMP. ENTRY ACTION: D PCE^HMPEVNT TIMESTAMP: 63971,54512  NUMBER: 6179 NAME: HMP PCMM TEAM  ITEM TEXT: PCMM Team events for HMP TYPE: action CREATOR: PROGRAMMER,ONE  ENTRY ACTION: D PCMMT^HMPEVNT(SCPTTMAF,SCPTTMB4) TIMESTAMP: 63971,54512  NUMBER: 6180 NAME: HMP PCMM TEAM POSITION  ITEM TEXT: PCMM Team Position events for HMP  TYPE: action CREATOR: PROGRAMMER,ONE ENTRY ACTION: D PCMMTP^HMPEVNT(SCPTTPAF,SCPTTPB4)  TIMESTAMP: 63971,54512  NUMBER: 6178 NAME: HMP PSB EVENTS  ITEM TEXT: BCMA events for HMP TYPE: action CREATOR: PROGRAMMER,ONE  DESCRIPTION: This protocol will track medication administrations for HMP. ENTRY ACTION: D PSB^HMPEVNT(.PSBIEN) TIMESTAMP: 63971,54512  NUMBER: 6174 NAME: HMP XQOR EVENTS  ITEM TEXT: XQOR HL7 events for HMP TYPE: action CREATOR: PROGRAMMER,ONE  DESCRIPTION: This protocol monitors order events for HMP. It is placed on  the \* EVSEND OR protocols to check for updates being sent from ancillary |

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| **M Triggers** |
| packages to Order Entry; it monitors when orders are completed. ENTRY ACTION: D XQOR^HMPEVNT(.XQORMSG)  TIMESTAMP: 63971,54512  NUMBER: 6184 NAME: HMPM EVT QUE CHANGE DOMAIN  ITEM TEXT: Change Domain TYPE: action CREATOR: PROGRAMMER,ONE  DESCRIPTION: Allows user to indicate only freshness events for a particular domain, like med, task, visit, etc., or all domains should be listed in freshness viewer.  ENTRY ACTION: D CD^HMPEQLM TIMESTAMP: 63971,54512  NUMBER: 6190 NAME: HMPM EVT QUE CHANGE MAX LISTED  ITEM TEXT: Change Max Limit TYPE: action CREATOR: PROGRAMMER,ONE  DESCRIPTION: Allows user to select the maximum events to display in the freshness queue viewer. (10 - 1000)  ENTRY ACTION: D CM^HMPEQLM TIMESTAMP: 63971,54512  NUMBER: 6182 NAME: HMPM EVT QUE CHANGE SERVER  ITEM TEXT: Change Server TYPE: action CREATOR: PROGRAMMER,ONE  DESCRIPTION: Allows user to change which server's freshness queue events to display in the viewer.  ITEM: HMPM EVT QUE FRESHNESS REPORT  ENTRY ACTION: D CS^HMPEQLM TIMESTAMP: 63971,54512  NUMBER: 6186 NAME: HMPM EVT QUE DISPLAY DETAILS  ITEM TEXT: Display Details TYPE: action CREATOR: PROGRAMMER,ONE  DESCRIPTION: Display details related to an event listed in the freshness queue viewer.  ENTRY ACTION: D DETAIL^HMPEQLM TIMESTAMP: 63971,54512  NUMBER: 6187 NAME: HMPM EVT QUE FILTER  ITEM TEXT: Filter Events TYPE: action CREATOR: PROGRAMMER,ONE  DESCRIPTION: Allows user to indicate only freshness events with a state of 'processed' or 'waiting to be processed' or all events should be listed in freshness viewer.  ENTRY ACTION: D FILTER^HMPEQLM TIMESTAMP: 63971,54512  NUMBER: 6183 NAME: HMPM EVT QUE FRESHNESS REPORT  ITEM TEXT: Freshness Report TYPE: action CREATOR: PROGRAMMER,ONE  DESCRIPTION: View overview freshness queue information for all HMP servers. ENTRY ACTION: D FSHRPT^HMPEQLM TIMESTAMP: 63971,54512  NUMBER: 6181 NAME: HMPM EVT QUE MGR MENU  ITEM TEXT: VPR Freshness Queue Viewer  TYPE: menu CREATOR: PROGRAMMER,ONE  DESCRIPTION: Main protocol menu used by the VPRM EVT QUE MGR ListMan template.  COLUMN WIDTH: 26 MNEMONIC WIDTH: 4 ITEM: HMPM EVT QUE FRESHNESS REPORT  ITEM: HMPM EVT QUE CHANGE DOMAIN ITEM: HMPM EVT QUE REFRESH  ITEM: HMPM EVT QUE DISPLAY DETAILS ITEM: HMPM EVT QUE FILTER  ITEM: HMPM EVT QUE SHOW TEMP GLOBALS ITEM: HMPM EVT QUE SELECT PATIENT ITEM: HMPM EVT QUE CHANGE MAX LISTED ITEM: HMPM EVT QUE CHANGE SERVER  ENTRY ACTION: S XQORM("B")="Update"  SCREEN: I 1 X:$D(^ORD(101,+$P(^ORD(101,DA(1),10,DA,0),"^",1),24)) ^(24) HEADER: D SHOW^VALM MENU PROMPT: Select Action: TIMESTAMP: 63971,54512 |

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| **M Triggers** |
| NUMBER: 6185 NAME: HMPM EVT QUE REFRESH  ITEM TEXT: Update TYPE: action CREATOR: PROGRAMMER,ONE  DESCRIPTION: Refresh/update the current list of freshness queue events using the current criteria/filters specified.  ENTRY ACTION: D REFRESH^HMPEQLM TIMESTAMP: 63971,54512  NUMBER: 6189 NAME: HMPM EVT QUE SELECT PATIENT  ITEM TEXT: Select Patient TYPE: action CREATOR: PROGRAMMER,ONE  DESCRIPTION: Allows user to specify that only the freshness events for the selected patient should be used in the freshness queue event viewer.  ENTRY ACTION: D SELPT^HMPEQLM TIMESTAMP: 63971,54512  NUMBER: 6188 NAME: HMPM EVT QUE SHOW TEMP GLOBALS  ITEM TEXT: Temp Global Usage TYPE: action CREATOR: PROGRAMMER,ONE  DESCRIPTION: Show VPR temporary global usage report.  The report displays summary information related to VPR processing use of ^XTMP and ^TMP globals.  ENTRY ACTION: D SHOWHMPN^HMPEQLM TIMESTAMP: 63971,54512  P  ROTOCOL SEARCH MAR 3,2016 07:12 PAGE 1  NAME: DG FIELD MONITOR ITEM TEXT: DG Field Monitor  TYPE: extended action CREATOR: PROGRAMMER,ONE PACKAGE: REGISTRATION  DESCRIPTION: This protocol is an event point which monitors the editing of fields in DG\* application files. At the time of this event point, the following variables will be present in the environment:  Variable Description    DGDA DA array as exists during Fileman editing  DGFILE File or subfile number where changed field resides DGFIELD Number of changed field  DGTYPE Type of cross reference action (ADD, DELETE or UPDATE) DGDTH Date/time of change in $Horolog format  DGUSER DUZ of user that made the change  DGOPT Current menu option in "option\_name^menu\_text" format DGX X array as documented for Fileman new style x-refs DGX1 X1 array as documented for Fileman new style x-refs DGX2 X2 array as documented for Fileman new style x-refs  This protocol is triggered by "listener" cross references on selected fields. By employing logic such as "If DGFILE=2, DGFIELD=.361, DGTYPE="ADD", then...", subscribers to this protocol may take action based on edit activity which involves those fields.  This event point is designed to occur only once per field editing activity. The DGTYPE variable can be interpreted as follows:   * ADD transactions indicate that data has been added to a field that was previously null. The DGX, DGX1 and DGX2 arrays will contain the Fileman X, X1 and X2 arrays (respectively) as documented for the execution of 'SET' logic. * DELETE transactions indicate that previously existing data has been deleted without being replaced. The DGX, DGX1 and DGX2 arrays will contain the Fileman X, X1 and X2 arrays |

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| **M Triggers** |
| (respectively) as documented for the execution of 'KILL' logic.  o UPDATE transactions indicate that existing data has been deleted and new data has been filed. The DGX, DGX1 and DGX2 arrays will contain the Fileman X, X1 and X2 arrays (respectively) as documented for the execution of 'SET' logic.  The naming convention used for these 'new style' cross-references for this Patch are as follows:   1. All names will begin with the letter "A" to denote a non-lookup MUMPS cross-reference. 2. The next characters identify the name space (i.e. Registration ="DG"). 3. The next two characters identify the field monitor utility ("FM"). 4. The next character will be "D" if the field contains a decimal. If there is no decimal, there will not be a "D" character. 5. The next characters identify the field number.   The establishment of this naming convention is intended to assist with the easy identification of the field monitoring utility as implemented across multiple field definitions. It should be followed as additional instances of this utility are distributed.  ITEM: PSU PATIENT DEMOGRAPHIC CHANGE ITEM: HMP DG UPDATES  TIMESTAMP: 63971,54512  NAME: DGPF ASSIGN FLAG ITEM TEXT: Assign Flag  TYPE: extended action CREATOR: PROGRAMMER,ONE PACKAGE: REGISTRATION  DESCRIPTION: This action protocol permits the user to assign a flag to a patient within the Record Flag Assignment [DGPF RECORD FLAG ASSIGNMENT] option.  ITEM: HMP DGPF ASSIGN FLAG  ENTRY ACTION: D AF^DGPFLMA2 SCREEN: I $G(DGDFN) TIMESTAMP: 63971,45304  NAME: DGPM MOVEMENT EVENTS ITEM TEXT: MOVEMENT EVENTS v 5.0  TYPE: extended action CREATOR: PROGRAMMER,ONE PACKAGE: REGISTRATION  DESCRIPTION:  At the completion of a patient movement the following events take place through this option:   1. The PTF record is updated when a patient is admitted, discharged or transferred. 2. The appointment status for a patient is updated to 'inpatient' for admissions and 'outpatient' for discharges. Admissions to the domiciliary have an 'outpatient' appointment status. 3. When a patient is admitted, dietetics creates a dietetic patient file entry and creates an admission diet order.   When a patient is discharged, all active diet  orders are discontinued. If a patient is absent or on pass, the diet orders are suspended.   1. Inpatient Pharmacy cancels all active orders when a patient is admitted, discharged or on unauthorized absence.   A patient cannot be given Unit Dose meds unless s/he is admitted to a ward. The patient can receive IV meds; however. When a patient is transferred, an inpatient system parameter is used to determine whether or not the orders should be  cancelled. When a patient goes on authorized absence, the |

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| **M Triggers** |
| inpatient system parameter is used to determine whether the orders should be cancelled, placed on hold or no action taken. When a patient returns from authorized absence any orders placed on hold will no longer be on hold.  5. With ORDER ENTRY/RESULTS REPORTING v2.2, MAS OE/RR NOTIFICATIONS may be displayed to  USERS defined in an OE/RR LIST for the patient. These notifications are displayed for admissions and death discharges.  ITEM: DGPM TREATING SPECIALTY EVENT ITEM: SD APPT STATUS  ITEM: OCX ORDER CHECK PATIENT MOVE.  ITEM: DGOERR NOTE SEQUENCE: 15 ITEM: DGJ INCOMPLETE EVENT  ITEM: GMRADGPM MARK CHART ITEM: DG MEANS TEST DOM ITEM: IB MEANS TEST BILLING  ITEM: ORU AUTOLIST SEQUENCE: 1  ITEM: FHWMAS SEQUENCE: 14  ITEM: GMRVOR DGPM  ITEM: DVB ADMISSION HINQ MNEMONIC: DVBH SEQUENCE: 2  ITEM: PSJ OR PAT ADT ITEM: ORU PATIENT MOVMT  ITEM: SC PCMM INPATIENT ACTIVITY ITEM: SC ASSIGN PC TEAM ON DISCHARGE ITEM: VSIT PATIENT STATUS  ITEM: PSD PAT ADT  ITEM: VAFH HL7 INPATIENT CAPTURE SEQUENCE: 3 ITEM: VAFC HL7 INPATIENT CAPTURE SEQUENCE: 4 ITEM: OR GUA EVENT PROCESSOR SEQUENCE: 999 ITEM: DG OERR TREATING TRANSFER SEQUENCE: 13 ITEM: IVM FINANCIAL QUERY FOR ADMISSION  ITEM: DGRU INPATIENT CAPTURE SEQUENCE: 5 ITEM: RG ADT INPATIENT ENCOUNTER DRIVER  ITEM: ROR EVENT PTF ITEM: EAS UE INP EVENT  ITEM: PSB BCBU PATIENT MOVEMENT SEQUENCE: 100 ITEM: SPN ALERT  ITEM: HMP INPT EVENTS TIMESTAMP: 63971,54512  NAME: FH EVSEND OR ITEM TEXT: FH --> OR event messages  TYPE: extended action CREATOR: PROGRAMMER,ONE  DESCRIPTION: This protocol is used to send HL7 message to Order Entry 3 or higher from Dietetics.  ITEM: OR RECEIVE SEQUENCE: 1 ITEM: OCX ORDER CHECK HL7 RECIEVE  ITEM: EDP MONITOR ITEM: HMP XQOR EVENTS  TIMESTAMP: 63971,54512  NAME: GMPL EVENT ITEM TEXT: Problem List Update Event  TYPE: extended action CREATOR: PROGRAMMER,ONE PACKAGE: PROBLEM LIST  DESCRIPTION: This protocol will be invoked whenever a problem is added or modified via Problem List options or RPC's. It is triggered by setting the Date Last Modified field #.03 of the Problem file #9000011, in the DTMOD^GMPLX function. The following variables will be available to read and use, but do NOT kill:  DFN = Patient ien, file #2 GMPIFN = Problem ien, file #9000011  ITEM: HMP GMPL EVENT TIMESTAMP: 63971,54512  NAME: GMRA ENTERED IN ERROR |

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| **M Triggers** |
| ITEM TEXT: Reaction Data Entered in Error  TYPE: extended action CREATOR: PROGRAMMER,ONE PACKAGE: ADVERSE REACTION TRACKING  DESCRIPTION: This protocol will be activated whenever a reaction is Entered in Error. Listed below are the variables that will be defined for that reaction.  Variables:  GMRAPA = The Internal Entry Number of the reaction in File 120.8 (PATIENT ALLERGIES)  GMRAPA(0) = The zero node of the entry in File 120.8.  Below is a description of the data for that node.  $P Field name Field type   1. PATIENT Pointer to File 2 (PATIENT) 2. REACTANT Free Text of Reaction 3. GMR ALLERGY Variable Pointer \* 4. ORIGINATION DATE/TIME Date/Time (FileMan format) 5. ORIGINATOR Pointer to File 200 (NEW PERSON) 6. OBSERVED/HISTORICAL Set of Codes   (o=Observed,h=Historical)  12 ORIGINATOR SIGN OFF Set of Codes  (1=Signed,(Zero or Null)=Unsigned)  14 MECHANISM Set of Codes  (U=Unknown,P=Pharmacologic,A=Allergy)   1. VERIFIED Set of Codes   (1=Verified,(0 or Null)=Not  Verified)   1. VERIFICATION DATE/TIME Date/Time (FileMan format) 2. VERIFIER Pointer to File 200   20 ALLERGY TYPE Free Text/Set of Codes  1 to 3 characters long (Where "D" = Drug,  "F" = Food, "O" = Other)  \*The GMR ALLERGY field is a variable pointer which points to one of five possible files. They are:  File Name File Reference    GMR ALLERGIES GMR(120.8, (e.g., 212;GMR(120.8,) NATIONAL DRUG PSNDF( DRUG PSDRUG( DRUG INGREDIENTS PS(50.416, VA DRUG CLASS PS(50.605,  ITEM: FH SIGNED REACTION CANCEL ITEM: HMP GMRA EVENTS  TIMESTAMP: 63971,54512  NAME: GMRA SIGN-OFF ON DATA ITEM TEXT: Sign-off on Reaction Data TYPE: extended action CREATOR: PROGRAMMER,ONE  PACKAGE: ADVERSE REACTION TRACKING  DESCRIPTION: This protocol will be activated whenever a reaction is Signed. Listed below are the variables that will be defined for that reaction.  Variables:  GMRAPA = The Internal Entry Number of the reaction in File 120.8 (PATIENT ALLERGIES)  GMRAPA(0) = The zero node of the entry in File 120.8.  Below is a description of the data for that node.  $P Field name Field type   1. PATIENT Pointer to File 2 (PATIENT) 2. REACTANT Free Text of Reaction 3. GMR ALLERGY Variable Pointer \* |

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| **M Triggers** |
| 1. ORIGINATION DATE/TIME Date/Time (FileMan format) 2. ORIGINATOR Pointer to File 200 (NEW PERSON) 3. OBSERVED/HISTORICAL Set of Codes   (o=Observed,h=Historical)  12 ORIGINATOR SIGN OFF Set of Codes  (1=Signed,(Zero or Null)=Unsigned)  14 MECHANISM Set of Codes  (U=Unknown,P=Pharmacologic,A=Allergy)   1. VERIFIED Set of Codes   (1=Verified,(0 or Null)=Not  Verified)   1. VERIFICATION DATE/TIME Date/Time (FileMan format) 2. VERIFIER Pointer to File 200   20 ALLERGY TYPE Free Text/Set of Codes  1 to 3 characters long (Where "D" = Drug,  "F" = Food, "O" = Other)  \*The GMR ALLERGY field is a variable pointer which points to one of five possible files. They are:  File Name File Reference    GMR ALLERGIES GMR(120.8, (e.g., 212;GMR(120.8,)  NATIONAL DRUG PSNDF( DRUG PSDRUG( DRUG INGREDIENTS PS(50.416, VA DRUG CLASS PS(50.605,  ITEM: FH SIGNED REACTION INTERFACE ITEM: HMP GMRA EVENTS  TIMESTAMP: 63971,54512  NAME: GMRC EVSEND OR ITEM TEXT: Consults event sent to OE/RR  TYPE: extended action CREATOR: PROGRAMMER,ONE PACKAGE: CONSULT/REQUEST TRACKING  ITEM: OR RECEIVE SEQUENCE: 1 ITEM: OCX ORDER CHECK HL7 RECIEVE SEQUENCE: 2 ITEM: MAGD RECEIVE EVENTS  ITEM: MD RECEIVE GMRC ITEM: EDP MONITOR ITEM: HMP XQOR EVENTS  TIMESTAMP: 63971,54512  NAME: HMPM EVT QUE CHANGE SERVER ITEM TEXT: Change Server TYPE: action CREATOR: PROGRAMMER,ONE  DESCRIPTION: Allows user to change which server's freshness queue events to display in the viewer.  ITEM: HMPM EVT QUE FRESHNESS REPORT  ENTRY ACTION: D CS^HMPEQLM TIMESTAMP: 63971,54512  NAME: HMPM EVT QUE MGR MENU ITEM TEXT: VPR Freshness Queue Viewer TYPE: menu CREATOR: PROGRAMMER,ONE  DESCRIPTION: Main protocol menu used by the VPRM EVT QUE MGR ListMan template.  COLUMN WIDTH: 26 MNEMONIC WIDTH: 4 ITEM: HMPM EVT QUE FRESHNESS REPORT  ITEM: HMPM EVT QUE CHANGE DOMAIN ITEM: HMPM EVT QUE REFRESH  ITEM: HMPM EVT QUE DISPLAY DETAILS ITEM: HMPM EVT QUE FILTER  ITEM: HMPM EVT QUE SHOW TEMP GLOBALS ITEM: HMPM EVT QUE SELECT PATIENT ITEM: HMPM EVT QUE CHANGE MAX LISTED ITEM: HMPM EVT QUE CHANGE SERVER  ENTRY ACTION: S XQORM("B")="Update" |

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| **M Triggers** |
| SCREEN: I 1 X:$D(^ORD(101,+$P(^ORD(101,DA(1),10,DA,0),"^",1),24)) ^(24) HEADER: D SHOW^VALM MENU PROMPT: Select Action: TIMESTAMP: 63971,54512  NAME: LR7O CH EVSEND OR  ITEM TEXT: LAB => OE/RR ORDER MESSAGE EVENT  TYPE: extended action CREATOR: PROGRAMMER,ONE  ITEM: OR RECEIVE SEQUENCE: 1 ITEM: OCX ORDER CHECK HL7 RECIEVE  ITEM: EDP MONITOR ITEM: HMP XQOR EVENTS  TIMESTAMP: 63971,54512  NAME: MDC OBSERVATION UPDATE  ITEM TEXT: Observation update notification  TYPE: extended action CREATOR: PROGRAMMER,ONE PACKAGE: CLINICAL PROCEDURES  DESCRIPTION: This protocol will be triggered when an observation in the OBS file enters or leaves VERIFIED status.  The local array "MDCOBS" will be populated as follows:  MDCOBS("OBS\_ID","E")="{35627230-5C66-49E3-AD93-97C269CB257D}" MDCOBS("OBS\_ID","I")="{35627230-5C66-49E3-AD93-97C269CB257D}" MDCOBS("OLD\_STATUS","E")="Verified" MDCOBS("OLD\_STATUS","I")=1 MDCOBS("PATIENT\_ID","E")="SIMPSON,BARTHOLOMUE" MDCOBS("PATIENT\_ID","I")=2 MDCOBS("STATUS","E")="Unverified" MDCOBS("STATUS","I")=0  In case of an error, MDCOBS("ERROR") will be populated with the error number and error text from FileMan.  ITEM: HMP MDC EVENT  ENTRY ACTION: D EN^MDCPROTD TIMESTAMP: 63971,54512  NAME: OR EVSEND FH ITEM TEXT: OE/RR => DIET MESSAGE EVENT  TYPE: extended action CREATOR: PROGRAMMER,ONE  ITEM: FH RECEIVE SEQUENCE: 1 ITEM: OCX ORDER CHECK HL7 RECIEVE SEQUENCE: 2 ITEM: EDP OR MONITOR  ITEM: HMP NA EVENTS TIMESTAMP: 63971,54512  NAME: OR EVSEND GMRC  ITEM TEXT: OE/RR => CONSULTS MESSAGE EVENT  TYPE: extended action CREATOR: PROGRAMMER,ONE  ITEM: GMRC RECEIVE SEQUENCE: 1 ITEM: OCX ORDER CHECK HL7 RECIEVE SEQUENCE: 2 ITEM: RMPR RECEIVE  ITEM: MD RECEIVE OR ITEM: EDP OR MONITOR ITEM: HMP NA EVENTS  TIMESTAMP: 63971,54512  NAME: OR EVSEND LRCH ITEM TEXT: OE/RR => LAB MESSAGE EVENT  TYPE: extended action CREATOR: PROGRAMMER,ONE  ITEM: LR7O CH RECEIVE SEQUENCE: 1 ITEM: OCX ORDER CHECK HL7 RECIEVE SEQUENCE: 2 ITEM: EDP OR MONITOR  ITEM: HMP NA EVENTS TIMESTAMP: 63971,54512  NAME: OR EVSEND ORG  ITEM TEXT: OE/RR => GENERIC MESSAGE EVENT  TYPE: extended action CREATOR: PROGRAMMER,ONE  ITEM: OR RECEIVE SEQUENCE: 1 ITEM: OCX ORDER CHECK HL7 RECIEVE  ITEM: EDP MONITOR  ITEM: HMP XQOR EVENTS |

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| **M Triggers** |
| TIMESTAMP: 63971,54512  NAME: OR EVSEND PS  ITEM TEXT: OE/RR => PHARMACY MESSAGE EVENT  TYPE: extended action CREATOR: PROGRAMMER,ONE  ITEM: PS RECEIVE OR SEQUENCE: 1 ITEM: OCX ORDER CHECK HL7 RECIEVE SEQUENCE: 2 ITEM: EDP OR MONITOR  ITEM: HMP NA EVENTS TIMESTAMP: 63971,54512  NAME: OR EVSEND RA ITEM TEXT: OE/RR => RAD/NM MESSAGE EVENT  TYPE: extended action CREATOR: PROGRAMMER,ONE  ITEM: RA RECEIVE SEQUENCE: 1 ITEM: OCX ORDER CHECK HL7 RECIEVE SEQUENCE: 2 ITEM: EDP OR MONITOR  ITEM: HMP NA EVENTS TIMESTAMP: 63971,54512  NAME: OR EVSEND VPR ITEM TEXT: OE/RR => VPR MESSAGE EVENT  TYPE: extended action CREATOR: PROGRAMMER,ONE ITEM: HMP XQOR EVENTS  TIMESTAMP: 63971,54512  NAME: PS EVSEND OR ITEM TEXT: Send Pharmacy orders to CPRS.  TYPE: extended action CREATOR: PROGRAMMER,ONE PACKAGE: PHARMACY  DESCRIPTION: This protocol is for sending Inpatient and Outpatient Pharmacy orders to CPRS.  ITEM: OR RECEIVE SEQUENCE: 1 ITEM: OCX ORDER CHECK HL7 RECIEVE  ITEM: IBAT TP RX MNEMONIC: TP SEQUENCE: 3  ITEM: PSB BCBU RECEIVE SEQUENCE: 4 ITEM: EDP MONITOR  ITEM: HMP XQOR EVENTS  EXIT ACTION: K ^TMP("HLS",$J,"PS"),PSOC,MSG TIMESTAMP: 63971,54512  NAME: PSB EVSEND VPR  ITEM TEXT: MEDICATION ADMINISTRATION EVENTS  TYPE: extended action CREATOR: PROGRAMMER,ONE  DESCRIPTION: The purpose of this protocol is to send notification of events that modify the BCMA MEDICATION LOG file (#53.79).  ITEM: HMP PSB EVENTS TIMESTAMP: 63971,54512  NAME: PXK VISIT DATA EVENT ITEM TEXT: VISIT RELATED DATA  TYPE: extended action CREATOR: PROGRAMMER,ONE DESCRIPTION: This is a Protocol that PIMS can hook onto to find the data that was collected by PCE using List Manager,Scanning etc.  PIMS has developed a protocol, SDAM PCE EVENT, which will use the visit related data to do an auto-checkout.  ITEM: IBDF PCE EVENT ITEM: SDAM PCE EVENT  ITEM: PXRM PATIENT DATA CHANGE ITEM: ROR EVENT VISIT  ITEM: EAS UE PCE EVENT ITEM: HMP PCE EVENTS  EXIT ACTION: K PXKSPX ENTRY ACTION: S PXKSPX=1 TIMESTAMP: 63971,54512  NAME: RA EVSEND OR ITEM TEXT: Radiology event sent to OE/RR  TYPE: extended action CREATOR: PROGRAMMER,ONE PACKAGE: RADIOLOGY/NUCLEAR MEDICINE  DESCRIPTION: Invoked when a request is created or changed by the |

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| **M Triggers** |
| Radiology/Nuclear Medicine package (the "backdoor") and the data is passed to the Order Entry package, Version 3.0 or greater.  IDENTIFIER: RA EVSEND  ITEM: OR RECEIVE SEQUENCE: 1 ITEM: OCX ORDER CHECK HL7 RECIEVE  ITEM: EDP MONITOR ITEM: HMP XQOR EVENTS  EXIT ACTION: K:$L($G(RAVARBLE)) @RAVARBLE,RAVARBLE TIMESTAMP: 63971,54512  NAME: SCMC PATIENT TEAM CHANGES  ITEM TEXT: PCMM Patient Team Update Event Driver  TYPE: extended action CREATOR: PROGRAMMER,ONE PACKAGE: SCHEDULING  DESCRIPTION: This is fired off whenever the Patient Team Assignment File (#404.42) is updated.  Available Output Variables:  ===========================  SCPCTM = 1 if it this is a primary care team assignment, 0 otherwise SCPTTMB4 = 0 Node of Patient Team Assignment (#404.42) Before SCPTTMAF = 0 Node of Patient Team Assignment (#404.42) After SCTMNDB4 = 0 Node of Team (#404.51) Before SCTMNDAF = 0 Node of Team (#404.51) After SCPTTM = Pointer to Patient Team Assignment (#404.42) SCTMB4 = Pointer to Team (404.51) Before SCTMAF = Pointer to Team (404.51) After  Notes:   * The 7th piece of the Team File (i.e. $P(SCTMND,U,7)) is a pointer to the institution file. * The 8th piece of the Patient Team Assignment File is the Assignment Type Field (#.08). Its internal value is '1' if it is a primary care assignment. Its value could be either null or '99'. '99' is 'Other'. You can check the variable, SCPCTM (1 or 0) to see if this is a primary care team assignment.   Note: Utility: $$INSTPCTM^SCAPMC(DFN,DATE,SCERR)  Input:  DFN - ien of PATIENT File (#2) DATE - date to check (default=DT)  SCERR - error array (default=^TMP("SCERR",$J)) - contains info about bad data. It is only set if there is bad data.  Returned:  0 if no Primary Care Team on Date or SC4^Institution Name^SCTM^Team Name  SC4 = ien of Institution File SCTM = ien of Team File  ITEM: SCMC PT TEAM CHANGE MAIL MESSAGE ITEM: HMP PCMM TEAM  TIMESTAMP: 63971,54512  NAME: SCMC PATIENT TEAM POSITION CHANGES  ITEM TEXT: PCMM Patient Team Position Update Event Driver TYPE: extended action CREATOR: PROGRAMMER,ONE  DESCRIPTION: This should be fired off whenever the PATIENT TEAM POSITION ASSIGNMENT file (#404.43) is updated  Protocol Name: SCMC Patient Team Position Changes, hang an entry off of this to use this protocol (I do not believe you will be using this one)  Description: This should be fired off whenever the PATIENT TEAM POSITION ASSIGNMENT file (#404.43)is updated.  Available Variables:  ====================  SCPCTP = null or 0 if not a primary care assignment   * 1. if a primary care practitioner assignment   2. if a primary care attending assignment SCPTTPB4 = 0 Node of |

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| **M Triggers** |
| Patient Team Position Assignment (#404.43) Before SCPTTPAF = 0 Node of Patient Team Position Assignment (#404.43) After SCTMNDB4 = 0 Node of Team (#404.51) Before SCTMNDAF = 0 Node of Team (#404.51) After SCTPNDB4 = 0 Node of Team Position (#404.57) Before SCTPNDAF = 0 Node of Team Position (#404.57) After SCPTTP = Pointer to Patient Team Position Assignment (#404.43) SCTPB4 = Pointer to Team Position (404.57) Before SCTPAF = Pointer to Team Position (404.57) After  ITEM: SCMC PT POSITION CHANGE MAIL MESSAGE ITEM: HMP PCMM TEAM POSITION  TIMESTAMP: 63971,54512 DEFAULT WORD PROCESSING ANSWER:  NAME: SDAM APPOINTMENT EVENTS ITEM TEXT: Appointment Event Driver TYPE: extended action CREATOR: PROGRAMMER,ONE  PACKAGE: SCHEDULING  DESCRIPTION: This extended action contains all the actions that need to be performed when an action is taken upon an appointment, such as checking in.  ITEM: IBACM OP LINK SEQUENCE: 1 ITEM: ORU PATIENT MOVMT  ITEM: DG MEANS TEST REQUIRED  ITEM: DVBA C&P SCHD EVENT SEQUENCE: 8 ITEM: PXK SDAM TO V-FILES  ITEM: VAFH HL7 OUTPATIENT CAPTURE ITEM: VAFC HL7 OUTPATIENT CAPTURE ITEM: DGEN SD ENROLL PATIENT ITEM: IVM SEND FINANCIAL QUERY ITEM: EAS UE SCHED EVENT  ITEM: SDAM PFSS EVENT SEQUENCE: 99 ITEM: SDAM APPT TYPE VALIDATION  ITEM: MAGD APPOINTMENT ITEM: EDP CHECK-IN ITEM: HMP APPT EVENTS  EXIT ACTION: D EN^SCDXHLDR TIMESTAMP: 63971,54512  26 MATCHES FOUND. |

# Appendix 2 – Files

Table B-1 details the new/modified VA FileMan files that are exported with eHMP KIDS patches.

**Table B-1 VA FileMan Files**

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| **VA FileMan Files** |
| STANDARD DATA DICTIONARY #800000 -- HMP SUBSCRIPTION FILE  FEB 23,2016@12:42:49 PAGE 1 STORED IN ^HMP(800000, \*\*\* NO DATA STORED YET \*\*\* SITE: VEHU MASTER UCI: VI STA,ROU (VERSION 2.0)  DATA NAME GLOBAL DATA  ELEMENT TITLE LOCATION TYPE  This file contains the data needed for eHMP data retrieval. The top level fields store information about servers known to eHMP. Each patient's subscription is stored in #800000.01 sub-file for a server  DD ACCESS: @ RD ACCESS: @ WR ACCESS: @ DEL ACCESS: @ LAYGO ACCESS: @ AUDIT ACCESS: @  (NOTE: Kernel's File Access Security has been installed in this UCI.)  CROSS  REFERENCED BY: SERVER(B)  INDEXED BY: PATIENT NAME & STATUS (ADFN), OPERATION DATA (AITEM), NAME & ON (AROS)  800000,.01 SERVER 0;1 FREE TEXT (Required)  INPUT TRANSFORM: K:$L(X)>64!($L(X)<1)!'(X'?1P.E) X LAST EDITED: OCT 28, 2014  HELP-PROMPT: Answer must be 1-64 characters in length.  DESCRIPTION: This is the name of the client system that is subscribing to data updates.  CROSS-REFERENCE: 800000^B  1)= S ^HMP(800000,"B",$E(X,1,64),DA)=""  2)= K ^HMP(800000,"B",$E(X,1,64),DA)  Cross-reference, by DFN, of patients subscribed to eHMP.  800000,.02 LASTUPDATE 0;2 FREE TEXT  INPUT TRANSFORM: K:$L(X)>100!($L(X)<3) X LAST EDITED: OCT 28, 2014  HELP-PROMPT: Answer must be 3-100 characters in length. (Do not modified)  DESCRIPTION: This field holds a flag indicating if this URL should be notified via the nightly scheduled option HMP APPOINTMENTS of the list of patients expected to be seen tomorrow. |

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| **VA FileMan Files** |
| 800000,.03 OPERATION DATA 0;3 SET  '0' FOR UNSUBCRIBED;  '1' FOR SUBSCRIBED;  '2' FOR INITIALIZED;  LAST EDITED: OCT 28, 2014  HELP-PROMPT: This field should not be edited manually  without consulting the development team.  DESCRIPTION: This field holds a flag indicating if this URL should be notified via http when a patient is admitted.  FIELD INDEX: AITEM (#413) MUMPS IR ACTION  Short Descr: Index of operational data by server Description: This cross-reference provides the index that is  used to find operational data for each HMP server.  Set Logic: D HMPOSET^HMPDJFS(DA,X) Set Cond: I X(1)'=""  Kill Logic: D HMPOKILL^HMPDJFS(DA)  Kill Cond: I X(1)'=""  Whole Kill: K ^HMP(800000,"AITEM")  X(1): OPERATION DATA (800000,.03) (forwards)  800000,.04 REPEAT POLLS 0;4 NUMBER  INPUT TRANSFORM: K:+X'=X!(X>99999999)!(X<0)!(X?.E1"."1N.N) X LAST EDITED: OCT 28, 2014  HELP-PROMPT: Type a number between 0 and 99999999, 0 decimal digits.  DESCRIPTION: This tracks the number of times the same "last update" value has been repeated. A high repeat may be normal if data are not changing.  800000,.05 DISK USAGE STATUS 0;5 SET  '0' FOR WITHIN LIMIT; '1' FOR EXCEEDED LIMIT;  LAST EDITED: JUN 24, 2015  HELP-PROMPT: Enter current status of eHMP disk usage.  DESCRIPTION: The DISK USAGE STATUS flag is an indicator set automatically in the eHMP subscription process. If the disk space usage in global ^XTMP by eHMP subscriptions is above the threshold in the HMP EXTRACT DISK SIZE LIMIT is exceeded this flag will be set. Similarly the flag is reset if usage later falls below the threshold.  TECHNICAL DESCR: The field is updated from subscription process by the STATUS^HMPMETA routine.  The field is referenced by the fetch process using CHECK^HMPMETA routine.  800000,.06 DISK USAGE STATUS TIME 0;6 DATE  INPUT TRANSFORM: S %DT="ESTXR" D ^%DT S X=Y K:X<1 X LAST EDITED: JUN 24, 2015  HELP-PROMPT: Enter the time the DISK USAGE STATUS field was updated.  DESCRIPTION: The DISK USAGE STATUS TIME is a field set  automatically in the eHMP subscription process. If the disk space usage in global ^XTMP by eHMP subscriptions is above the threshold in the HMP |

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| **VA FileMan Files** |
| EXTRACT DISK SIZE LIMIT is exceeded the DISK USAGE STATUS field will be set and the time of the change recorded in this field. Similarly the flag and time fields will be reset if usage later falls below the threshold.  TECHNICAL DESCR: The field is updated from subscription process by the STATUS^HMPMETA routine.  The field is referenced by the fetch process using CHECK^HMPMETA routine.  800000,.1 URL .1;1 FREE TEXT  INPUT TRANSFORM: K:$L(X)>250!($L(X)<1) X LAST EDITED: OCT 28, 2014  HELP-PROMPT: Answer must be 1-250 characters in length.  DESCRIPTION: This is the fully specified URL to call when updates are available.  800000,1 PATIENT 1;0 POINTER Multiple #800000.01  DESCRIPTION: These are patients that will be monitored for new data and updates.  INDEXED BY: STATUS & STATUS DATE-TIME (AP) 800000.01,.01 PATIENT NAME 0;1 POINTER TO PATIENT FILE (#2)  (Multiply asked)  INPUT TRANSFORM: S DINUM=X LAST EDITED: FEB 26, 2014  HELP-PROMPT: Enter the name of a patient to be tracked.  DESCRIPTION: This is the name of the patient being  monitored for new data.  NOTES: XXXX--CAN'T BE ALTERED EXCEPT BY PROGRAMMER RECORD INDEXES: ADFN (#412) (WHOLE FILE #800000)  800000.01,2 STATUS 0;2 SET  '0' FOR UNINITIALIZED;  '1' FOR INITIALIZING;  '2' FOR INITIALIZED;  LAST EDITED: MAY 21, 2014  HELP-PROMPT: Enter the tracking status of a patient sync. (Do Not Modify)  DESCRIPTION: This field tracks the initialization progress of the patient. When a patient is initially subscribed, they are added to this multiple. The status is "1" when the extracts start and "2" when they finish. At that point, freshness updates are moved into the stream.  RECORD INDEXES: ADFN (#412) (WHOLE FILE #800000), AP (#415)  800000.01,3 STATUS DATE-TIME 0;3 DATE  /LABEL  INPUT TRANSFORM: S %DT="ESTXR" D ^%DT S X=Y K:Y<1 X LAST EDITED: NOV 16, 2015  HELP-PROMPT: Enter the date.time the status changed.  DESCRIPTION: This is the date.time of the last change in |

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| **VA FileMan Files** |
| extract status.  RECORD INDEXES: AP (#415)  800000.01,4 ORDERS 1;0 POINTER Multiple #800000.14  (Add New Entry without Asking)  DESCRIPTION: All data in this sub-file are to be  manipulated by software only. Users should not edit any data without consulting with the developers.  800000.14,.01 ORDER NUMBER 0;1 POINTER TO ORDER FILE (#100) INPUT TRANSFORM: S DINUM=X  LAST EDITED: NOV 02, 2015  HELP-PROMPT: Enter the Order number.  DESCRIPTION: All the data in this sub-file are entered  programmatically.  The data are used to create timestamps with seconds in order to correctly sequence orders that are sync'd with the eHMP system. Timestamps with seconds captured are necessary in order to sequence order activity when using the lastUpdateTime. The lastUpdateTime is passed with the order data during a sync operation. Currently the VA Order file (#100) only captures a timestamp that includes hrs and minutes but not seconds. It is possible for two activities such as saving and signing to occur in the same minute, without seconds added the activity timestamp it is impossible to determine which activity occurred first.  The PURGE DATETIME is the date time to purge this record. The PURGE DATETIME is 24 hours after the record is created. Purging the data after 24 hours will prevent the file from growing too large.  NOTES: XXXX--CAN'T BE ALTERED EXCEPT BY PROGRAMMER CROSS-REFERENCE: 800000.14^B  1)= S ^HMP(800000,DA(2),1,DA(1),1,"B",$E(X,1,30  ),DA)=""  2)= K ^HMP(800000,DA(2),1,DA(1),1,"B",$E(X,1,30  ),DA)  800000.14,.02 CREATE DATE/TIME 0;2 DATE  INPUT TRANSFORM:S %DT="ESTX" D ^%DT S X=Y K:Y<1 X LAST EDITED: DEC 16, 2015  HELP-PROMPT: Enter the date and time the order was created.  DESCRIPTION: The date/time to include seconds that the order was created. This field is entered programmatically.  800000.14,.03 SIGNED BY 0;3 POINTER TO NEW PERSON FILE (#200) LAST EDITED: DEC 16, 2015 |

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| **VA FileMan Files** |
| HELP-PROMPT: Enter the User who signed the order.  DESCRIPTION: The person signing the order. This field is entered programmatically.  800000.14,.04 SIGNED DATE/TIME 0;4 DATE  INPUT TRANSFORM:S %DT="ESTX" D ^%DT S X=Y K:Y<1 X LAST EDITED: DEC 16, 2015  HELP-PROMPT: Enter the date and time the order was signed.  DESCRIPTION: The date/time with seconds the order was signed. This field is entered programmatically.  800000.14,.05 VERIFYING NURSE 0;5 POINTER TO NEW PERSON FILE (#200) LAST EDITED: DEC 16, 2015  HELP-PROMPT: Enter the nurse who verified the order.  DESCRIPTION: The date/time, including seconds, the nurse verified the order. This field is entered programmatically.  800000.14,.06 NURSE VERIFY DATE/TIME 0;6 DATE  INPUT TRANSFORM:S %DT="ESTX" D ^%DT S X=Y K:Y<1 X LAST EDITED: DEC 16, 2015  HELP-PROMPT: Enter the date and time the nurse verified the order.  DESCRIPTION: The date/time, including seconds, the nurse verified the order. This field is entered programmatically.  800000.14,.07 VERIFYING CLERK 0;7 POINTER TO NEW PERSON FILE (#200) LAST EDITED: DEC 16, 2015  HELP-PROMPT: Enter the clerk who verified the order.  DESCRIPTION: The clerk who verified the order. This field is entered programmatically.  800000.14,.08 CLERK VERIFY DATE/TIME 0;8 DATE  INPUT TRANSFORM:S %DT="ESTX" D ^%DT S X=Y K:Y<1 X LAST EDITED: DEC 17, 2015  HELP-PROMPT: Enter the date and time the clerk verified the order.  DESCRIPTION: The date/time, including seconds, the clerk verified the order. This field is entered programmatically.  800000.14,.09 REVIEWED BY 0;9 POINTER TO NEW PERSON FILE (#200) LAST EDITED: DEC 16, 2015  HELP-PROMPT: Enter the user who reviewed the order.  DESCRIPTION: The user who reviewed the order. This field is entered programmatically.  800000.14,.1 REVIEWED DATE/TIME 0;10 DATE  INPUT TRANSFORM:S %DT="ESTR" D ^%DT S X=Y K:Y<1 X LAST EDITED: DEC 16, 2015  HELP-PROMPT: Enter the date and time the order was reviewed. |

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| **VA FileMan Files** |
| DESCRIPTION: The date/time, including seconds, the order was reviewed. This field is entered programmatically.  800000.14,.11 RELEASED BY 0;11 POINTER TO NEW PERSON FILE (#200) LAST EDITED: DEC 16, 2015  HELP-PROMPT: Enter the user who released the order.  DESCRIPTION: The user who released the order. This field is entered programmatically.  800000.14,.12 RELEASED DATE/TIME 0;12 DATE  INPUT TRANSFORM:S %DT="ESTX" D ^%DT S X=Y K:Y<1 X LAST EDITED: DEC 16, 2015  HELP-PROMPT: Enter the date and time the order was released. DESCRIPTION: The date/time, including seconds, the order was released. This field is entered  programmatically.  800000.14,.13 PURGE DATE/TIME 0;13 DATE  INPUT TRANSFORM:S %DT="EST" D ^%DT S X=Y K:Y<1 X LAST EDITED: DEC 16, 2015  HELP-PROMPT: Enter the date and time after which this entry can be purged.  DESCRIPTION: The earliest date/time the order data can be purged. This field is entered programmatically.  800000.14,.14 ORDER ACTION 0;14 SET  'NW' FOR NEW;  'DC' FOR DISCONTINUED; 'HD' FOR HOLD;  'RL' FOR RELEASE HOLD; 'XX' FOR CHANGE;  'VA' FOR VALIDATE;  'IP' FOR TRANSFERRED TO IP; 'OP' FOR TRANSFERRED TO OP;  LAST EDITED: DEC 16, 2015  HELP-PROMPT: Enter the action performed on this order.  DESCRIPTION: The action taken on the order. This field is entered programmatically.  800000.14,.15 ACTION DATE/TIME 0;15 DATE  INPUT TRANSFORM:S %DT="EST" D ^%DT S X=Y K:Y<1 X LAST EDITED: DEC 16, 2015  HELP-PROMPT: Enter the date and time this order action was performed.  DESCRIPTION: The date/time of the order action. This field is entered programmatically.  800000.14,1.01 TRACKING START 1;1 DATE  INPUT TRANSFORM:S %DT="ESTX" D ^%DT S X=Y K:Y<1 X LAST EDITED: JAN 26, 2016  HELP-PROMPT: Enter the date and time that eHMP started tracking this Order.  DESCRIPTION: This field is set to NOW when the Order is |

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| **VA FileMan Files** |
| first added to this sub-file. It is uneditable.  UNEDITABLE  800000.14,2 ORDER FLAG/UNFLAG DATE/TIME 2;0 DATE Multiple #800000.142  (Add New Entry without Asking)  LAST EDITED: DEC 16, 2015  DESCRIPTION: This sub-file contains flagging /unflagging actions on orders.  800000.142,.01 ORDER FLAG/UNFLAG DATE/TIME 0;1 DATE  INPUT TRANSFORM:S %DT="ESTR" D ^%DT S X=Y K:Y<1 X LAST EDITED: DEC 16, 2015  HELP-PROMPT: Enter the date and time the order was flagged or unflagged.  DESCRIPTION: This is the date/time with seconds that an order was flagged /unflagged. This field is entered programmatically. An order can be flagged or unflagged multiple times.  CROSS-REFERENCE:800000.142^B  1)= S ^HMP(800000,DA(3),1,DA(2),1,DA(1),2,"B",$ E(X,1,30),DA)=""  2)= K ^HMP(800000,DA(3),1,DA(2),1,DA(1),2,"B",$ E(X,1,30),DA)  800000.142,.02 FLAG ACTION 0;2 SET  'F' FOR FLAGGED; 'U' FOR UNFLAGGED;  LAST EDITED: DEC 16, 2015  HELP-PROMPT:Indicate whether the order was flagged or unflagged.  DESCRIPTION:The date/time, with seconds, the order was flagged /unflagged. This field is entered programmatically.  800000.142,.03 FLAG/UNFLAG USER 0;3 POINTER TO NEW PERSON FILE (#200) LAST EDITED: DEC 16, 2015  HELP-PROMPT:Enter the user who flagged or unflagged the order.  DESCRIPTION:The user who flagged /unflagged the order.  This field is entered programmatically.  800000.142,.04 FLAG/UNFLAG REASON 0;4 FREE TEXT  REASON FOR FLAGGING /UNFLAGGING  INPUT TRANSFORM:K:$L(X)>80!($L(X)<1) X LAST EDITED: DEC 16, 2015  HELP-PROMPT:Answer must be 1-80 characters. DESCRIPTION:This is why the order was flagged /unflagged.  This field is entered programmatically. |

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| **VA FileMan Files** |
| 800000,2 ROSTER 2;0 POINTER Multiple #800000.02  LAST EDITED: APR 17, 2013  DESCRIPTION: These are rosters that will be monitored for new patients and updates.  800000.02,.01 NAME 0;1 POINTER TO HMP ROSTER FILE (#800001.  2) (Multiply asked)  INPUT TRANSFORM: S DINUM=X LAST EDITED: APR 17, 2013  HELP-PROMPT: Enter the name of a roster to be tracked.  DESCRIPTION: This is the name of the roster being  monitored for new patients.  NOTES: XXXX--CAN'T BE ALTERED EXCEPT BY PROGRAMMER RECORD INDEXES: AROS (#414) (WHOLE FILE #800000)  800000.02,2 ON 0;2 SET  '1' FOR YES;  '0' FOR NO;  LAST EDITED: APR 17, 2013  HELP-PROMPT: Enter YES to turn on data tracking for this roster.  DESCRIPTION: This field turns on the Data Monitor for this roster and client system. If ON=true, a new snapshot of this roster will be sent to the client when new data updates are requested.  RECORD INDEXES: AROS (#414) (WHOLE FILE #800000)  800000,91 CONCURRENT UPDATE CALLS 91;1 NUMBER  INPUT TRANSFORM: K:+X'=X!(X>999)!(X<0)!(X?.E1"."1N.N) X LAST EDITED: FEB 18, 2015  HELP-PROMPT: Type a number between 0 and 999, 0 decimal  digits.  DESCRIPTION: This field is used to track the number of  simultaneous calls to getPtUpdates in API^HMPDJFS. This allows checkHealth to report if a getPtUpdates RPC is in progress.  FILES POINTED TO FIELDS  HMP ROSTER (#800001.2) ROSTER:NAME (#.01)  NEW PERSON (#200) ORDERS:SIGNED BY (#.03)  VERIFYING NURSE (#.05)  VERIFYING CLERK (#.07)  REVIEWED BY (#.09)  RELEASED BY (#.11)  ORDER FLAG/UNFLAG DATE/TIME:FLAG/UNFLAG USER (  #.03)  ORDER (#100) ORDERS:ORDER NUMBER (#.01)  PATIENT (#2) PATIENT:PATIENT NAME (#.01) |

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| **VA FileMan Files** |
| Subfile #800000.01 Record Indexes:  ADFN (#412) RECORD MUMPS IR SORTING ONLY WHOLE FILE (#800000)  Short Descr: Patients to track in the Data Monitor  Description: This index will place the entry in the data monitor for this PATIENT.  Set Logic: D HMPSET^HMPDJFS(.DA,.X) Set Cond: S X=0 I +X(1)>0 S X=1  Kill Logic: D HMPKILL^HMPDJFS(.DA,.X) Kill Cond: S X=0 I X(1)'="" S X=1 Whole Kill: K ^HMP(800000,"AITEM")  X(1): PATIENT NAME (800000.01,.01) (Subscr 1) (forwards) X(2): STATUS (800000.01,2) (forwards)  AP (#415) RECORD REGULAR IR SORTING ONLY  Short Descr: Subscribed patients by server not yet initialized. Description: This index lists the patients who are not yet initialized:  SERVER\_IEN, "AP", STATUS, STATUS TIME, DFN  Patients with an initialized status (STATUS = 2) do not appear in this index.  Set Logic: S ^HMP(800000,DA(1),1,"AP",X(1),X(2),DA)="" Set Cond: S X=(+X2(1)<2)  Kill Logic: K ^HMP(800000,DA(1),1,"AP",X(1),X(2),DA) Whole Kill: K ^HMP(800000,DA(1),1,"AP")  X(1): STATUS (800000.01,2) (Subscr 1) (forwards)  X(2): STATUS DATE-TIME (800000.01,3) (Subscr 2) (forwards)  Subfile #800000.02 Record Indexes:  AROS (#414) RECORD MUMPS IR SORTING ONLY WHOLE FILE (#800000)  Short Descr: Rosters to track in the Data Monitor  Description: Cross-reference of rosters for groups of patients on wards.  Set Logic: S:X2(2) ^HMP(800000,"AROS",X,DA(1))="" Kill Logic: K:X1(2) ^HMP(800000,"AROS",X,DA(1)) Whole Kill: K ^HMP(800000,"AROS")  X(1): NAME (800000.02,.01) (Subscr 1) (forwards)  X(2): ON (800000.02,2) (Subscr 2)  INPUT TEMPLATE(S):  PRINT TEMPLATE(S):  SORT TEMPLATE(S):  STANDARD DATA DICTIONARY #800000.1 -- HMP PATIENT OBJECT FILE  FEB 23,2016@12:42:51 PAGE 1 STORED IN ^HMP(800000.1, \*\*\* NO DATA STORED YET \*\*\* SITE: VEHU MASTER UCI: VISTA,ROU (VERSION 2.0)  DATA NAME GLOBAL DATA  ELEMENT TITLE LOCATION TYPE  This file is used when transferring specific patient objects to JDS.  DD ACCESS: @ |

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| **VA FileMan Files** |
| RD ACCESS: @ WR ACCESS: @ DEL ACCESS: @ LAYGO ACCESS: @ AUDIT ACCESS: @  (NOTE: Kernel's File Access Security has been installed in this UCI.)  CROSS  REFERENCED BY: UID(B)  INDEXED BY: PATIENT & COLLECTION (C)  800000.1,.01 UID 0;1 FREE TEXT (Required)  INPUT TRANSFORM: K:$L(X)>63!($L(X)<3)!'(X'?1P.E) X LAST EDITED: AUG 12, 2015  HELP-PROMPT: Answer must be 3-63 characters in length.  DESCRIPTION: The fully specified Universal ID string for this object.  TECHNICAL DESCR:  urn:va:{systemId}:{DFN}:{collection}:{ien}  CROSS-REFERENCE: 800000.1^B  1)= S ^HMP(800000.1,"B",$E(X,1,63),DA)=""  2)= K ^HMP(800000.1,"B",$E(X,1,63),DA) Index of COLLECTION by PATIENT (DFN).  800000.1,.02 PATIENT 0;2 POINTER TO PATIENT FILE (#2)  (Required)  LAST EDITED: NOV 29, 2012  HELP-PROMPT: Enter the patient that owns this object. DESCRIPTION:  Patient file #2 ien RECORD INDEXES: C (#416)  800000.1,.03 COLLECTION 0;3 FREE TEXT  INPUT TRANSFORM: K:$L(X)>30!($L(X)<3) X LAST EDITED: NOV 29, 2012  HELP-PROMPT: Answer must be 3-30 characters in length.  DESCRIPTION: The name of the type or kind of data this  object belongs to.  RECORD INDEXES: C (#416)  800000.1,1 DATA 1;0 WORD-PROCESSING #800000.101 (IGNORE "|")  FILES POINTED TO FIELDS  PATIENT (#2) PATIENT (#.02)  File #800000.1  Record Indexes: |

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| **VA FileMan Files** |
| C (#416) RECORD REGULAR IR LOOKUP & SORTING  Short Descr: Index by patient, collection Description: Index by patient, collection.  Set Logic: S ^HMP(800000.1,"C",X(1),X(2),DA)=""  Kill Logic: K ^HMP(800000.1,"C",X(1),X(2),DA) Whole Kill: K ^HMP(800000.1,"C")  X(1): PATIENT (800000.1,.02) (Subscr 1) (forwards)  X(2): COLLECTION (800000.1,.03) (Subscr 2) (forwards)  INPUT TEMPLATE(S):  PRINT TEMPLATE(S):  SORT TEMPLATE(S):  STANDARD DATA DICTIONARY #800000.11 -- HMP OBJECT FILE  FEB 23,2016@12:42:52 PAGE 1 STORED IN ^HMP(800000.11, \*\*\* NO DATA STORED YET \*\*\* SITE: VEHU MASTER UCI: VISTA,ROU (VERSION 2.0)  DATA NAME GLOBAL DATA  ELEMENT TITLE LOCATION TYPE  This file is a staging area for JSON uid objects.  DD ACCESS: @ RD ACCESS: @ WR ACCESS: @ DEL ACCESS: @ LAYGO ACCESS: @ AUDIT ACCESS: @  (NOTE: Kernel's File Access Security has been installed in this UCI.)  CROSS  REFERENCED BY: COLLECTION(ACNT), UID(B), COLLECTION(C) 800000.11,.01 UID 0;1 FREE TEXT (Required)  INPUT TRANSFORM: K:$L(X)>63!($L(X)<3)!'(X'?1P.E) X LAST EDITED: NOV 29, 2012  HELP-PROMPT: Answer must be 3-63 characters in length.  DESCRIPTION: The fully specified Universal ID string for this object.  TECHNICAL DESCR:  urn:va:{collection}:{systemId}:{ien}  CROSS-REFERENCE: 800000.11^B  1)= S ^HMP(800000.11,"B",$E(X,1,63),DA)=""  2)= K ^HMP(800000.11,"B",$E(X,1,63),DA)  Cross-reference by Universal IDentifier (UID).  800000.11,.03 COLLECTION 0;3 FREE TEXT  INPUT TRANSFORM: K:$L(X)>30!($L(X)<3) X LAST EDITED: MAY 03, 2014  HELP-PROMPT: Answer must be 3-30 characters in length.  DESCRIPTION: The name of the type or kind of data this  object belongs to. |

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| **VA FileMan Files** |
| CROSS-REFERENCE: 800000.11^C  1)= S ^HMP(800000.11,"C",$E(X,1,30),DA)=""  2)= K ^HMP(800000.11,"C",$E(X,1,30),DA)  Cross-reference by collection, VistA extracted domains.  CROSS-REFERENCE: 800000.11^ACNT^MUMPS  1)= S ^HMP(800000.11,"ACNT",$E(X,1,30))=$G(^HMP (800000.11,"ACNT",$E(X,1,30)))+1  2)= S ^HMP(800000.11,"ACNT",$E(X,1,30))=$G(^HMP (800000.11,"ACNT",$E(X,1,30)))-1  Maintain a count of the number of items in each collection.  800000.11,1 DATA 1;0 WORD-PROCESSING #800000.111 (IGNORE "|")  DESCRIPTION:  Actual VistA domain data to be transmitted.  INPUT TEMPLATE(S):  PRINT TEMPLATE(S):  SORT TEMPLATE(S):  STANDARD DATA DICTIONARY #800000.2 -- HMP LIST FILE  FEB 23,2016@12:42:53 PAGE 1 STORED IN ^HMPD(800000.2, \*\*\* NO DATA STORED YET \*\*\* SITE: VEHU MASTER UCI: VISTA,ROU (VERSION 2.0)  DATA NAME GLOBAL DATA  ELEMENT TITLE LOCATION TYPE  A translation table for use by eHMP to connect VistA data domains to JSON objects for transmission.  DD ACCESS: @ RD ACCESS: @ WR ACCESS: @ DEL ACCESS: @ LAYGO ACCESS: @ AUDIT ACCESS: @  (NOTE: Kernel's File Access Security has been installed in this UCI.)  CROSS  REFERENCED BY: DD NUMBER(ADD), REFRESH THRESHOLD(AREFRESH), NAME(B) 800000.2,.01 NAME 0;1 FREE TEXT (Required)  INPUT TRANSFORM: K:$L(X)>30!($L(X)<3)!'(X'?1P.E) X LAST EDITED: SEP 23, 2015  HELP-PROMPT: Answer must be 3-30 characters in length. DESCRIPTION:  This is the name of the HMP List.  CROSS-REFERENCE: 800000.2^B |

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| **VA FileMan Files** |
| 1)= S ^HMPD(800000.2,"B",$E(X,1,30),DA)=""  2)= K ^HMPD(800000.2,"B",$E(X,1,30),DA)  Cross-reference by VistA domain name.  800000.2,.02 TYPE 0;2 SET  '0' FOR STATIC;  '1' FOR DYNAMIC;  LAST EDITED: OCT 11, 2012  HELP-PROMPT: This field should not be edited manually  without consulting the development team.  DESCRIPTION: This field defines a data entry as static or dynamic.  800000.2,.03 DD NUMBER 0;3 NUMBER  INPUT TRANSFORM: K:+X'=X!(X>99999999)!(X<1)!(X?.E1"."6N.N) X LAST EDITED: OCT 22, 2012  HELP-PROMPT: Type a number between 1 and 99999999, 5 decimal digits.  DESCRIPTION: This is the NUMBER of the File being  referenced.  CROSS-REFERENCE: 800000.2^ADD  1)= S ^HMPD(800000.2,"ADD",$E(X,1,30),DA)=""  2)= K ^HMPD(800000.2,"ADD",$E(X,1,30),DA)  Cross-reference by the File's Data Dictionary number.  800000.2,.04 DOMAIN 0;4 POINTER TO HMP LIST DOMAIN FILE (#8000  00.21) (Required)  LAST EDITED: OCT 31, 2012  HELP-PROMPT: Enter a VistA data domain from the HMP LIST DOMAIN File.  DESCRIPTION: A VistA data domain from the HMP LIST DOMAIN File.  800000.2,.05 ATTRIBUTE 0;5 POINTER TO HMP LIST ATTRIBUTE FILE (#8  00000.22) (Required)  LAST EDITED: NOV 07, 2012  HELP-PROMPT: Enter an ATTRIBUTE from the HMP LIST ATTRIBUTE  File.  DESCRIPTION:  This is a pointer to the HMP ATTRIBUTE File.  800000.2,.08 REFRESH THRESHOLD 0;8 NUMBER  INPUT TRANSFORM: K:+X'=X!(X>1440)!(X<0)!(X?.E1"."1N.N) X LAST EDITED: OCT 31, 2012  HELP-PROMPT: Type a number between 0 and 1440, 0 decimal digits.  DESCRIPTION: Amount of time, in days, required to pass  before an automatic refresh will occur.  CROSS-REFERENCE: 800000.2^AREFRESH  1)= S ^HMPD(800000.2,"AREFRESH",$E(X,1,30),DA)= "" |

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| **VA FileMan Files** |
| 2)= K ^HMPD(800000.2,"AREFRESH",$E(X,1,30),DA)  Cross-reference by time (in days) until a refresh happens.  800000.2,.09 NEXT REFRESH DATE 0;9 DATE  INPUT TRANSFORM: S %DT="ETXR" D ^%DT S X=Y K:Y<1 X LAST EDITED: SEP 23, 2015  HELP-PROMPT: Enter a date up to T+1440.  DESCRIPTION: Date of next refresh based on the value of  REFRESH THRESHOLD.  800000.2,.11 GENERATION CODE .11;E1,245 MUMPS  INPUT TRANSFORM: K:$L(X)>245 X D:$D(X) ^DIM LAST EDITED: OCT 11, 2012  HELP-PROMPT: This is Standard MUMPS code.  DESCRIPTION: MUMPS code to implement the refresh of a  domain.  WRITE AUTHORITY: @  800000.2,.2 COLUMNS 2;0 Multiple #800000.202  DESCRIPTION: These are references to data which will be  extracted.  800000.202,.01 COLUMN NAME 0;1 FREE TEXT (Multiply asked)  INPUT TRANSFORM: K:$L(X)>30!($L(X)<3)!'(X?1UL.29ULN) X LAST EDITED: OCT 15, 2014  HELP-PROMPT: Answer must be 3-30 characters in length. DESCRIPTION:  Name of the data column to be extracted.  CROSS-REFERENCE: 800000.202^B  1)= S ^HMPD(800000.2,DA(1),2,"B",$E(X,1,30),DA)  =""  2)= K ^HMPD(800000.2,DA(1),2,"B",$E(X,1,30),DA)  COLUMN cross-reference by name.  800000.202,.02 ORDER 0;2 NUMBER (Required)  INPUT TRANSFORM:K:+X'=X!(X>99)!(X<3)!(X?.E1"."1N.N) X LAST EDITED: OCT 31, 2012  HELP-PROMPT: Type a number between 3 and 99, 0 decimal digits.  DESCRIPTION:  Order in which data columns will be extracted.  CROSS-REFERENCE:800000.202^AORD  1)= S ^HMPD(800000.2,DA(1),2,"AORD",$E(X,1,30), DA)=""  2)= K ^HMPD(800000.2,DA(1),2,"AORD",$E(X,1,30), DA)  Cross-reference of data column extraction order. |

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| **VA FileMan Files** |
| 800000.2,.3 DESCRIPTION 3;0 WORD-PROCESSING #800000.203 (NOWRAP) (IGNORE "|")  LAST EDITED: NOV 17, 2015 DESCRIPTION:  Description of the data to be extracted.  800000.2,.9 DATA 9;0 WORD-PROCESSING #800000.209 (NOWRAP) (IGNORE "|")  LAST EDITED: NOV 17, 2015 DESCRIPTION:  The actual data being sent.  FILES POINTED TO FIELDS  HMP LIST ATTRIBUTE (#800000.22) ATTRIBUTE (#.05)  HMP LIST DOMAIN (#800000.21) DOMAIN (#.04)  INPUT TEMPLATE(S):  PRINT TEMPLATE(S):  SORT TEMPLATE(S):  STANDARD DATA DICTIONARY #800000.21 -- HMP LIST DOMAIN FILE  FEB 23,2016@12:42:53 PAGE 1 STORED IN ^HMPD(800000.21, (10 ENTRIES) SITE: VEHU MASTER UCI: VISTA,ROU (V ERSION 2.0)  DATA NAME GLOBAL DATA  ELEMENT TITLE LOCATION TYPE  This File contains the extraction domains which can be transmitted.  DD ACCESS: @ RD ACCESS: @ WR ACCESS: @ DEL ACCESS: @ LAYGO ACCESS: @ AUDIT ACCESS: @  (NOTE: Kernel's File Access Security has been installed in this UCI.) POINTED TO BY: DOMAIN field (#.04) of the HMP LIST File (#800000.2)  CROSS  REFERENCED BY: NAME(B)  800000.21,.01 NAME 0;1 FREE TEXT (Required)  INPUT TRANSFORM: K:$L(X)>30!($L(X)<3)!'(X'?1P.E) X LAST EDITED: SEP 23, 2015  HELP-PROMPT: Answer must be 3-30 characters in length. |

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| **VA FileMan Files** |
| DESCRIPTION: This is the name of a VistA data domain which can be extracted for transmission.  CROSS-REFERENCE: 800000.21^B  1)= S ^HMPD(800000.21,"B",$E(X,1,30),DA)=""  2)= K ^HMPD(800000.21,"B",$E(X,1,30),DA)  The name cross-reference by its domain.  800000.21,.02 ABBREVIATION 0;2 FREE TEXT  INPUT TRANSFORM: K:$L(X)>10!($L(X)<1) X LAST EDITED: OCT 31, 2012  HELP-PROMPT: Answer must be 1-10 characters in length.  DESCRIPTION: This is the short name of the VistA data  domain.  800000.21,.03 DISPLAY NAME 0;3 FREE TEXT  INPUT TRANSFORM: K:$L(X)>50!($L(X)<1) X LAST EDITED: OCT 31, 2012  HELP-PROMPT: Answer must be 1-50 characters in length.  DESCRIPTION: This is the actual name of the VistA data  domain.  INPUT TEMPLATE(S):  PRINT TEMPLATE(S):  SORT TEMPLATE(S):  STANDARD DATA DICTIONARY #800000.22 -- HMP LIST ATTRIBUTE FILE  FEB 23,2016@12:42:54 PAGE 1 STORED IN ^HMPD(800000.22, (10 ENTRIES) SITE: VEHU MASTER UCI: VISTA,ROU (V ERSION 2.0)  DATA NAME GLOBAL DATA  ELEMENT TITLE LOCATION TYPE  This file contains a list of the attributes of the eHMP data domains.  DD ACCESS: @ RD ACCESS: @ WR ACCESS: @ DEL ACCESS: @ LAYGO ACCESS: @ AUDIT ACCESS: @  (NOTE: Kernel's File Access Security has been installed in this UCI.) POINTED TO BY: ATTRIBUTE field (#.05) of the HMP LIST File (#800000.2)  CROSS  REFERENCED BY: NAME(B)  800000.22,.01 NAME 0;1 FREE TEXT (Required)  INPUT TRANSFORM: K:$L(X)>30!($L(X)<3)!'(X'?1P.E) X LAST EDITED: SEP 23, 2015 |

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| **VA FileMan Files** |
| HELP-PROMPT: Answer must be 3-30 characters in length.  DESCRIPTION: This is the name of an eHMP data domain's  attribute.  CROSS-REFERENCE: 800000.22^B  1)= S ^HMPD(800000.22,"B",$E(X,1,30),DA)=""  2)= K ^HMPD(800000.22,"B",$E(X,1,30),DA)  This is the cross-reference of the attribute by its name.  800000.22,.02 ABBREVIATION 0;2 FREE TEXT  INPUT TRANSFORM: K:$L(X)>10!($L(X)<1) X LAST EDITED: OCT 31, 2012  HELP-PROMPT: Answer must be 1-10 characters in length.  DESCRIPTION: This is the short name of an eHMP data domain's attribute.  800000.22,.03 DISPLAY NAME 0;3 FREE TEXT  INPUT TRANSFORM: K:$L(X)>50!($L(X)<1) X LAST EDITED: OCT 31, 2012  HELP-PROMPT: Answer must be 1-50 characters in length.  DESCRIPTION: This is the actual name of an eHMP data domain's attribute.  INPUT TEMPLATE(S):  PRINT TEMPLATE(S):  SORT TEMPLATE(S):  STANDARD DATA DICTIONARY #800001 -- HMP PANEL FILE  FEB 23,2016@12:42:54 PAGE 1 STORED IN ^HMPPANEL( \*\*\* NO DATA STORED YET \*\*\* SITE: VEHU MASTER UCI: VIST A,ROU (VERSION 2.0)  DATA NAME GLOBAL DATA  ELEMENT TITLE LOCATION TYPE  Contains the Rule Sets that contain the cohorts for creating patient panels. For example, panel which includes Diabetic patients will be created nightly to update the list of patients. All panels in this file will be updated nightly.  DD ACCESS: @ RD ACCESS: @ WR ACCESS: @ DEL ACCESS: @ LAYGO ACCESS: @ AUDIT ACCESS: @  (NOTE: Kernel's File Access Security has been installed in this UCI.)  POINTED TO BY: SOURCE field (#.02) of the SOURCES sub-field (#800001.21) of the HMP ROSTER File (#800001.2)  CROSS  REFERENCED BY: NAME(B), PATIENT LIST NAME(C) |

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| **VA FileMan Files** |
| 800001,.01 NAME 0;1 POINTER TO REMINDER LIST RULE FILE (#8  10.4) (Required)  INPUT TRANSFORM: S DIC("S")="I $P(^(0),U,3)=3" D ^DIC K DIC S DI C=DIE,X=+Y K:Y<0 X  LAST EDITED: JUN 29, 2011  HELP-PROMPT: Enter a Reminder List Rule. DESCRIPTION:  This is the name of an applied rule set.  SCREEN: S DIC("S")="I $P(^(0),U,3)=3"  EXPLANATION: Only select RULE SET types CROSS-REFERENCE: 800001^B  1)= S ^HMPPANEL("B",$E(X,1,30),DA)=""  2)= K ^HMPPANEL("B",$E(X,1,30),DA)  This is the cross-reference of rule sets by name.  800001,.02 DISPLAY NAME 0;2 FREE TEXT (Required) INPUT TRANSFORM: K:$L(X)>50!($L(X)<3) X  LAST EDITED: JUN 30, 2011  HELP-PROMPT: Answer must be 3-50 characters in length. DESCRIPTION:  This is the full name of the applied rule set.  800001,.03 PATIENT LIST NAME 0;3 FREE TEXT  INPUT TRANSFORM: K:$L(X)>40!($L(X)<3) X LAST EDITED: OCT 06, 2011  HELP-PROMPT: Answer must be 3-40 characters in length. DESCRIPTION:  This is the name of the patient list.  CROSS-REFERENCE: 800001^C  1)= S ^HMPPANEL("C",$E(X,1,30),DA)=""  2)= K ^HMPPANEL("C",$E(X,1,30),DA)  This is the cross-reference by the name of the patient list.  800001,5 ORDER DIALOGS ORDER DIALOGS;0 POINTER Multiple #800001.0  5  DESCRIPTION:  This sub-file contains ORDER DIALOG entries.  800001.05,.01 ORDER DIALOGS 0;1 POINTER TO ORDER DIALOG FILE (#101.4  1) (Multiply asked)  LAST EDITED: JUN 29, 2011  HELP-PROMPT: Select an entry in the ORDER DIALOG File. DESCRIPTION: This is the IEN of an entry in the ORDER  DIALOG File. LAYGO is not allowed, the ORDER DIALOG must be created first.  CROSS-REFERENCE: 800001.05^B   1. = S ^HMPPANEL(DA(1),"ORDER DIALOGS","B",$E(X,   1,30),DA)=""   1. = K ^HMPPANEL(DA(1),"ORDER DIALOGS","B",$E(X, |

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| **VA FileMan Files** |
| 1,30),DA)  This is the cross-reference by the name of the order dialog.  FILES POINTED TO FIELDS  ORDER DIALOG (#101.41) ORDER DIALOGS:ORDER DIALOGS (#.01) REMINDER LIST RULE (#810.4) NAME (#.01)  INPUT TEMPLATE(S):  PRINT TEMPLATE(S):  SORT TEMPLATE(S):  STANDARD DATA DICTIONARY #800001.2 -- HMP ROSTER FILE  FEB 23,2016@12:42:55 PAGE 1 STORED IN ^HMPROSTR(800001.2, \*\*\* NO DATA STORED YET \*\*\* SITE: VEHU MASTER UCI: VISTA,ROU (VERSION 2.0)  DATA NAME GLOBAL DATA  ELEMENT TITLE LOCATION TYPE  This file contains eHMP rosters which can be used by subscribed patients.  DD ACCESS: @ RD ACCESS: @ WR ACCESS: @ DEL ACCESS: @ LAYGO ACCESS: @ AUDIT ACCESS: @  (NOTE: Kernel's File Access Security has been installed in this UCI.)  POINTED TO BY: NAME field (#.01) of the ROSTER sub-field (#800000.02) of the HMP SUBSCRIPTION File (#800000)  SOURCE field (#.02) of the SOURCES sub-field (#800001.21) of the HMP ROSTER File (#800001.2)  CROSS  REFERENCED BY: PATIENT(AB), OWNER(AC), SOURCE(AD), TIMESTAMP(ATS), NAME(B) 800001.2,.01 NAME 0;1 FREE TEXT (Required)  INPUT TRANSFORM: K:$L(X)>104!($L(X)<3)!'(X'?1P.E) X LAST EDITED: FEB 20, 2013  HELP-PROMPT: Answer must be 3-104 characters in length. DESCRIPTION:  This is the name of an eHMP roster.  CROSS-REFERENCE: 800001.2^B  1)= S ^HMPROSTR(800001.2,"B",$E(X,1,30),DA)=""  2)= K ^HMPROSTR(800001.2,"B",$E(X,1,30),DA)  This is the cross-reference of eHMP rosters by name. |

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| **VA FileMan Files** |
| 800001.2,.02 DISPLAY NAME 0;2 FREE TEXT  INPUT TRANSFORM: K:$L(X)>45!($L(X)<3) X LAST EDITED: AUG 30, 2011  HELP-PROMPT: Answer must be 3-45 characters in length. DESCRIPTION:  This is the actual name of an eHMP roster.  800001.2,.03 DISABLE 0;3 SET  '1' FOR YES;  LAST EDITED: AUG 30, 2011  HELP-PROMPT: Enter '1' or 'Yes' to disable this roster. DESCRIPTION:  This is a setting to disable an eHMP roster.  800001.2,.04 OWNER 0;4 POINTER TO NEW PERSON FILE (#200)  LAST EDITED: JAN 05, 2012  HELP-PROMPT: Enter the owner of this roster. DESCRIPTION:  This is the DUZ of the HMP roster's owner.  CROSS-REFERENCE: 800001.2^AC  1)= S ^HMPROSTR(800001.2,"AC",$E(X,1,30),DA)=""  2)= K ^HMPROSTR(800001.2,"AC",$E(X,1,30),DA)  Cross-reference of rosters by owner.  800001.2,.05 TYPE 0;5 SET (Required) 'PU' FOR PUBLIC;  'PR' FOR PRIVATE;  LAST EDITED: NOV 15, 2011  HELP-PROMPT: Enter internally stored code for type of HMP roster.  DESCRIPTION:  The type of an HMP roster.  800001.2,.06 PATIENT LIST NAME 0;6 FREE TEXT  INPUT TRANSFORM: K:$L(X)>40!($L(X)<3) X LAST EDITED: JAN 20, 2012  HELP-PROMPT: Answer must be 3-40 characters in length. DESCRIPTION:  The file containing the patient list names.  800001.2,1 SOURCES 1;0 Multiple #800001.21 DESCRIPTION:  The sources of the patient list.  INDEXED BY: (AC)  800001.21,.01 SEQUENCE 0;1 NUMBER (Multiply asked)  INPUT TRANSFORM: K:+X'=X!(X>99999999)!(X<1)!(X?.E1"."1N.N) X LAST EDITED: SEP 23, 2015 |

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| **VA FileMan Files** |
| HELP-PROMPT: Type a number between 1 and 99999999, 0  decimal digits.  DESCRIPTION:  The sequence number of a patient list source.  CROSS-REFERENCE: 800001.21^B  1)= S ^HMPROSTR(800001.2,DA(1),1,"B",$E(X,1,30)  ,DA)=""  2)= K ^HMPROSTR(800001.2,DA(1),1,"B",$E(X,1,30)  ,DA)  The name cross-reference of patient lists.  CROSS-REFERENCE:800001.21^AS  1)= S ^HMPROSTR(800001.2,DA(1),1,"AS",$E(X,1,30  ),DA)=""  2)= K ^HMPROSTR(800001.2,DA(1),1,"AS",$E(X,1,30  ),DA)  The sequence cross-reference of patient lists.  800001.21,.02 SOURCE 0;2 VARIABLE POINTER (Required) FILE ORDER PREFIX LAYGO MESSAGE  2 1 PAT n PATIENT  42 2 WARD n WARD LOCATION  44 3 CL n CLINIC  200 5 PROV n PROVIDER  100.21 6 CPRS n CPRS  404.51 7 PCMM n PCMM TEAM  810.4 22 PXRM n REMINDER'S LIST RULE FILE 800001.2 9 ROST n HMP ROSTER FILE  45.7 70 SPEC n SPECIALTY  800001 80 HMPPAN n Select HMP Panel List Rule SCREEN ON FILE 2:  SCREEN ON FILE 42:  SCREEN ON FILE 44:  SCREEN ON FILE 200:  SCREEN ON FILE 100.21:  SCREEN ON FILE 404.51:  SCREEN ON FILE 810.4: S DIC("S")="I $P(^(0),U,3)=3"  LAST EDITED: NOV 26, 2013  HELP-PROMPT: Enter the file which will be the source for this roster.  DESCRIPTION:  The source of the patient list.  CROSS-REFERENCE:800001.2^AD  1)= S ^HMPROSTR(800001.2,"AD",$E(X,1,30),DA(1), DA)=""  2)= K ^HMPROSTR(800001.2,"AD",$E(X,1,30),DA(1), DA)  The file number cross-reference of patient lists.  800001.21,.03 OPERATION 0;3 SET  '0' FOR UNION;  '1' FOR INTERSECTION; |

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| **VA FileMan Files** |
| '2' FOR DIFFERENCE;  LAST EDITED: AUG 30, 2011  HELP-PROMPT: This code is used to determine which operation is to be performed on the Patient List.  DESCRIPTION: This is the type of operation to be performed on the patient list file.  800001.21,.04 FILTER 0;4 SET 'T' FOR TODAY;  LAST EDITED: SEP 01, 2011  HELP-PROMPT: Enter 'T' to set the filter.  DESCRIPTION: This is a date filter for the patient list file.  800001.21,.05 REFRESH FREQUENCY 0;5 SET  'D' FOR DAILY; 'H' FOR HOURLY;  LAST EDITED: JAN 19, 2012  HELP-PROMPT: This code is used to specify the refresh rate for the Patient List.  DESCRIPTION: The frequency by which to refresh the patient list.  800001.2,2 SPECIAL HANDLING 3;E1,245 MUMPS  INPUT TRANSFORM: K:$L(X)>245 X D:$D(X) ^DIM LAST EDITED: JAN 03, 2012  HELP-PROMPT: XXXX--CAN'T BE ALTERED EXCEPT BY PROGRAMMER.  DESCRIPTION: This is MUMPS code for filtering and refreshing patient lists.  WRITE AUTHORITY: @  800001.2,3 PATIENT 4;0 POINTER Multiple #800001.23 DESCRIPTION:  Patients which are members of this roster.  800001.23,.01 PATIENT 0;1 POINTER TO PATIENT FILE (#2)  (Multiply asked)  LAST EDITED: DEC 20, 2012  HELP-PROMPT: Select an entry from the PATIENT File (#2).  DESCRIPTION: This field identifies a roster member patient by its DFN in the PATIENT File (#2).  CROSS-REFERENCE: 800001.23^B  1)= S ^HMPROSTR(800001.2,DA(1),4,"B",$E(X,1,30)  ,DA)=""  2)= K ^HMPROSTR(800001.2,DA(1),4,"B",$E(X,1,30)  ,DA)  HMP Roster File cross-reference by patient name.  CROSS-REFERENCE:800001.2^AB  1)= S ^HMPROSTR(800001.2,"AB",$E(X,1,30),DA(1), DA)="" |

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| **VA FileMan Files** |
| 2)= K ^HMPROSTR(800001.2,"AB",$E(X,1,30),DA(1), DA)  Index of all rosters patient is in.  800001.23,.02 SRCSEQ 0;2 NUMBER  INPUT TRANSFORM:K:+X'=X!(X>999999)!(X<1)!(X?.E1"."1N.N) X LAST EDITED: JUL 17, 2013  HELP-PROMPT: Type a number between 1 and 999999, 0 decimal digits.  DESCRIPTION:  The sequence number of this patient roster.  800001.2,99 TIMESTAMP 2;1 DATE  INPUT TRANSFORM: S %DT="ESTXR" D ^%DT S X=Y K:Y<1 X LAST EDITED: SEP 23, 2015  HELP-PROMPT: Type a date not earlier than AUG 30,  2011@08:39.  DESCRIPTION: The date.time of a patient's entry in the HMP Roster file.  CROSS-REFERENCE: 800001.2^ATS  1)= S ^HMPROSTR(800001.2,"ATS",$E(X,1,30),DA)=" "  2)= K ^HMPROSTR(800001.2,"ATS",$E(X,1,30),DA)  The date.time cross-reference of patients in the HMP Roster file.  FILES POINTED TO FIELDS  NEW PERSON (#200) OWNER (#.04)  PATIENT (#2) PATIENT:PATIENT (#.01)  INPUT TEMPLATE(S):  PRINT TEMPLATE(S):  SORT TEMPLATE(S):  STANDARD DATA DICTIONARY #800001.5 -- HMP ACTIVITY FILE  FEB 23,2016@12:42:56 PAGE 1 STORED IN ^HMP(800001.5,"PTAPPT", \*\*\* NO DATA STORED YET \*\*\* SITE: VEHU MASTE R UCI: VISTA,ROU (VERSION 2.0)  DATA NAME GLOBAL DATA  ELEMENT TITLE LOCATION TYPE  The HMP Activity File contains appointments for patients which are subscribed to eHMP.  DD ACCESS: @ |

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| **VA FileMan Files** |
| RD ACCESS: @ WR ACCESS: @ DEL ACCESS: @ LAYGO ACCESS: @ AUDIT ACCESS: @  (NOTE: Kernel's File Access Security has been installed in this UCI.)  CROSS  REFERENCED BY: PATIENT NAME(B), HMP PROCESS FLAG(HMP)  800001.5,.01 PATIENT NAME 0;1 POINTER TO PATIENT FILE (#2)  (Required)  LAST EDITED: JUL 31, 2014  HELP-PROMPT: Select a patient from the PATIENT File (#2).  DESCRIPTION: The PATIENT File (#2) DFN of an eHMP subscribed patient with appointments.  CROSS-REFERENCE: 800001.5^B  1)= S ^HMP(800001.5,"PTAPPT","B",$E(X,1,30),DA)  =""  2)= K ^HMP(800001.5,"PTAPPT","B",$E(X,1,30),DA)  PATIENT File (#2) DFN cross-reference of the HMP Activity File.  800001.5,2 APPOINTMENT DATE 0;2 DATE  INPUT TRANSFORM: S %DT="EST" D ^%DT S X=Y K:Y<1 X LAST EDITED: AUG 04, 2014  HELP-PROMPT: Enter the date.time of the appointment. DESCRIPTION:  The date.time of a patient's appointment.  800001.5,3 APPOINTMENT STATUS 0;3 FREE TEXT  INPUT TRANSFORM: K:$L(X)>5!($L(X)<1) X LAST EDITED: AUG 04, 2014  HELP-PROMPT: Answer must be 1-5 characters in length. DESCRIPTION:  This is the status of a patient's appointment.  800001.5,4 DATE RECORD CREATED 0;4 DATE  INPUT TRANSFORM: S %DT="EST" D ^%DT S X=Y K:Y<1 X LAST EDITED: AUG 04, 2014  HELP-PROMPT: Enter the date.time the activity record was created.  DESCRIPTION: The date.time of creation of the activity  record.  800001.5,5 DATE RECORD RETREIVED 0;5 DATE  INPUT TRANSFORM: S %DT="EST" D ^%DT S X=Y K:Y<1 X LAST EDITED: AUG 04, 2014  HELP-PROMPT: Do not prompt. Field is stuffed by [TBD].  DESCRIPTION: This is the date.time that activity data was retrieved from VistA.  NOTES: TRIGGERED by the HMP PROCESS FLAG field of the |

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| **VA FileMan Files** |
| HMP ACTIVITY File  800001.5,6 HMP PROCESS FLAG 0;6 NUMBER  INPUT TRANSFORM: K:+X'=X!(X>1)!(X<0)!(X?.E1"."1N.N) X LAST EDITED: AUG 04, 2014  HELP-PROMPT: Type a number between 0 and 1, 0 decimal  digits.  DESCRIPTION: This is a system HMP Process Flag indicating an activity was processed.  CROSS-REFERENCE: 800001.5^HMP^MUMPS  1)= I +X=0 S ^HMP(800001.5,"PTAPPT","HMP",+DA)= ""  2)= K ^HMP(800001.5,"PTAPPT","HMP",+DA)  This is a cross-reference of patient activities by process flag.  CROSS-REFERENCE: ^^TRIGGER^800001.5^5   1. = Q 2. = K DIV S DIV=X,D0=DA,DIV(0)=D0 S Y(1)=$S($D(   ^HMP(800001.5,"PTAPPT",D0,0)):^(0),1:"") S X=$P (Y(1),U,5),X=X S DIU=X K Y S X=DIV N %I,%H,% D NOW^%DTC S X=% X ^DD(800001.5,6,1,2,2.4)  2.4)= S DIH=$G(^HMP(800001.5,"PTAPPT",DIV(0),0)  ),DIV=X S $P(^(0),U,5)=DIV,DIH=800001.5,DIG=5 D  ^DICR  CREATE VALUE)= NO EFFECT DELETE VALUE)= NOW  FIELD)= DATE RECORD RETREIVED  This trigger causes an activity file entry to be skipped, deleted, or processed.  800001.5,7 JSON MESSAGE JSON;1 FREE TEXT  INPUT TRANSFORM: K:$L(X)>200!($L(X)<1) X LAST EDITED: AUG 05, 2014  HELP-PROMPT: Answer must be 1-200 characters in length.  DESCRIPTION: This is a JSON message indicating the status of the corresponding patient activity record.  FILES POINTED TO FIELDS  PATIENT (#2) PATIENT NAME (#.01)  INPUT TEMPLATE(S): PRINT TEMPLATE(S): SORT TEMPLATE(S):  FORM(S)/BLOCK(S): |

# Appendix 3 – Approved Integration Control Registrations

Table C-1 details the Approved Integration Control Registrations.

**Table C-1 Approved Integration Control Registrations**

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| **Resource** | **DBIA #** | **Date Approved** |
| ^LAB(60 | 91 | 27-Jan-2016 |
| ADM^VADPT2 | 325 | 18-Dec-2015 |
| ^DG(40.8 | 417 | 11-Apr-2016 |
| LAB(61 | 524 | 19-Nov-2015 |
| LRO(69 | 532 | 13-Nov-2015 |
| ^DIC(40.7 | 557 | 16-Dec-2015 |
| EN^ORX8 | 871 | 30-Mar-2016 |
| ^RADPT("AO" | 1172 | 18-Mar-2016 |
| DGPM MOVEMENT EVENTS | 1181 | 13-Apr-2016 |
| SDAM APPOINTMENTS EVENTS | 1320 | 19-Apr-2016 |
| EN1^GMRVUT0 | 1446 | 05-Dec-2015 |
| GMRA ENTERED IN ERROR | 1467 | 23-Feb-2016 |
| GMRA SIGN-OFF ON DATA | 1469 | 23-Feb-2016 |
| ORQPT CLINIC PATIENTS | 1652 | 22-Jan-2016 |
| ORWU USERINFO | 1791 | 27-Jan-2016 |
| ORWRP REPORT LISTS | 1840 | 27-Jan-2016 |
| ORWRP REPORT TEXT | 1841 | 27-Jan-2016 |
| ^DGPM( | 1865 | 15-Apr-2016 |
| ^DGPM("APCA", ^DGPM("APMV", ^DGPM("ATID1" | 1865 | 15-Apr-2016 |
| $$GETENC^PXAPI | 1894 | 09-Oct-2015 |
| ENCEVENT^PXAPI | 1894 | 09-Oct-2015 |
| $$TEAMCNT^SCAPMCU1 | 1918 | 29-Oct-2015 |
| ^AUPNVSIT | 2028 | 25-Nov-2015 |
| ^GMR(120.8 | 2166 | 02-Dec-2015 |
| MAIN^PXRM | 2182 | 09-Oct-2015 |
| $$TSDATA^DGACT | 2248 | 30-Nov-2015 |
| ^AUPNVPRV( | 2316 | 02-Jan-2016 |
| WHATIS^USRLM | 2324 | 29-Mar-2016 |
| OCL^PSOORRL | 2400 | 04-Nov-2015 |

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| **Resource** | **DBIA #** | **Date Approved** |
| OEL^PSOORRL | 2400 | 04-Nov-2015 |
| LRO(69 | 2407 | 26-Nov-2015 |
| PS EVSEND OR | 2415 | 17-Feb-2016 |
| $$OI^ORX8 | 2467 | 30-Mar-2016 |
| $$VALUE^ORX8 | 2467 | 30-Mar-2016 |
| RR^LR7OR1 | 2503 | 04-Nov-2015 |
| ^XTV(8989.5 | 2686 | 30-Mar-2016 |
| TEAMPTS^ORQPTQ1 | 2692 | 16-Oct-2015 |
| EXTRACT^TIULQ | 2693 | 28-Mar-2016 |
| TIU(8925.1 | 2700 | 23-Nov-2015 |
| ^AUPNPROB( | 2727 | 30-Mar-2015 |
| OER^GMRCSLM1 | 2740 | 02-Feb-2016 |
| DETAIL^GMPLUTL2 | 2741 | 19-Oct-2015 |
| LIST^GMPLUTL2 | 2741 | 19-Oct-2015 |
| EDIT^VAFCPTED | 2784 | 06-Apr-2016 |
| $$CWAD^ORQPT2 | 2831 | 20-Jan-2016 |
| $$RESOLVE^TIUSRVLO | 2834 | 14-Oct-2015 |
| ^ORD(101.43 | 2843 | 02-Dec-2015 |
| CONTEXT^TIUSRVLO | 2865 | 23-Nov-2015 |
| TGET^TIUSRVR1 | 2944 | 16-Oct-2015 |
| EXPAND^LR7OU1 | 2955 | 15-Nov-2015 |
| DOCLIST^GMRCGUIB | 2980 | 02-Feb-2015 |
| $$ISA^TIULX | 3058 | 15-Oct-2015 |
| $$PKGID^ORX8 | 3071 | 30-Mar-2016 |
| ^AUPNVPOV( | 3094 | 25-Nov-2015 |
| OR EVSEND GMRC | 3135 | 13-Mar-2016 |
| GMRC EVSEND OR | 3140 | 16-Feb-2016 |
| EN^ORQ1 | 3154 | 30-Mar-2016 |
| DG FIELD MONITOR | 3344 | 19-Apr-2016 |
| ^GMR(120.86 | 3449 | 01-Dec-2015 |
| RA(79.2 | 3505 | 24-Feb-2016 |
| LIST^SROESTV | 3533 | 16-Nov-2015 |
| ONE^SROESTV | 3533 | 16-Nov-2015 |
| CPCLASS^TIUCP | 3568 | 08-Oct-2015 |

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| **Resource** | **DBIA #** | **Date Approved** |
| ISCP^TIUCP | 3568 | 08-Oct-2015 |
| DOSE^PSSOPKI1 | 3739 | 11-May-2015 |
| ^DGS(41.1 | 3796 | 13-Apr-2016 |
| $$GETACT^DGPFAPI | 3860 | 18-Nov-2015 |
| DEFLIST^ORQPTQ11 | 4204 | 03-Mar-2016 |
| WARDPTS^ORQPTQ2 | 4207 | 03-Mar-2016 |
| CLINPTS^ORQPTQ2 | 4207 | 03-Mar-2016 |
| PROVPTS^ORQPTQ2 | 4207 | 03-Mar-2016 |
| SPECPTS^ORQPTQ2 | 4207 | 03-Mar-2016 |
| PCE4NOTE^ORWPCE3 | 4214 | 03-Mar-2016 |
| EN1^MDPS1 | 4230 | 13-Jan-2016 |
| PR690^MDPS1 | 4230 | 16-Dec-2015 |
| LRPXRM^LRPXAPI | 4245 | 05-Nov-2015 |
| $$LRDN^LRPXAPIU | 4246 | 05-Nov-2015 |
| VHF^PXPXRM | 4250 | 15-Oct-2015 |
| VIMM^PXPXRM | 4250 | 15-Oct-2015 |
| VPEDU^PXPXRM | 4250 | 15-Oct-2015 |
| VSKIN^PXPXRM | 4250 | 15-Oct-2015 |
| VXAM^PXPXRM | 4250 | 15-Oct-2015 |
| ^PXRMINDX(63 | 4290 | 19-Nov-2015 |
| $$CREATE^XUSAP | 4677 | 14-Apr-2016 |
| EIE^GMRAGUI1 | 4682 | 01-Jun-2016 |
| NKA^GMRAGUI1 | 4682 | 01-Jun-2016 |
| UPDATE^GMRAGUI1 | 4682 | 01-Jun-2016 |
| EN1^GMVDCSAV | 4815 | 13-Nov-2015 |
| ORQQPX REMINDERS LIST | 4898 | 29-Mar-2016 |
| ORQQPX REMINDER DETAIL | 4899 | 06-Apr-2016 |
| BYWARD^ORWPT | 4904 | 27-Jan-2016 |
| ORWPT BYWARD | 4904 | 27-Jan-2016 |
| PTTEST^YTQPXRM2 | 5035 | 01-Jun-2016 |
| ENDAS71^YTQPXRM6 | 5043 | 07-Nov-2015 |
| ^YTT(601.71 | 5044 | 03-Mar-2016 |
| ^YTT(601.71 | 5044 | 08-Jan-2016 |
| $$FDEFSRC^ORQPTQ11 | 5137 | 03-Mar-2016 |

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| **Resource** | **DBIA #** | **Date Approved** |
| GETDLG1^ORCD | 5493 | 06-Apr-2016 |
| GETORDER^ORCD | 5493 | 06-Apr-2016 |
| $$CLASS^TIUCNSLT | 5546 | 13-Oct-2015 |
| ISCNSLT^TIUCNSLT | 5546 | 13-Oct-2015 |
| ISSURG^TIUSROI | 5676 | 13-Oct-2015 |
| ^TIU(8926.1 | 5676 | 30-Dec-2015 |
| $$CLASS^TIUSROI | 5676 | 21-Oct-2015 |
| TIU(8925.1 | 5677 | 25-Nov-2015 |
| $$START^SCMCMHTC | 5697 | 14-Oct-2015 |
| RPC^GMVRPCM | 5702 | 11-May-2015 |
| GET^ORQ12 | 5704 | 03-Mar-2016 |
| $$ICDDX^ICDEX | 5747 | 13-Oct-2015 |
| ^MDC(704.102 | 5748 | 08-Jan-2016 |
| ^ORA(102.4 | 5769 | 04-Jul-2016 |
| OR(100 | 5771 | 03-Mar-2016 |
| ^WV(790.05 | 5772 | 04-Feb-2016 |
| ^MDC(704.117 | 5810 | 19-Apr-2016 |
| ^MDC(704.118 | 5811 | 16-Dec-2015 |
| ADMIN^PSBVPR | 6038 | 13-Apr-2016 |
| GMPL EVENT | 6065 | 08-Feb-2016 |
| GET^TIUVPR | 6077 | 04-May-2016 |
| $$IFC^GMRCAPI | 6082 | 30-Mar-2016 |
| ACT^GMRCAPI | 6082 | 30-Mar-2016 |
| GET^GMRCAPI | 6082 | 19-Apr-2016 |
| MDC OBSERVATION UPDATE | 6084 | 20-Apr-2016 |
| RA EVSEND OR | 6086 | 16-Feb-2016 |
| LR7O CH EVSEND OR | 6087 | 16-Feb-2016 |
| ^USR(8930 | 6088 | 02-Feb-2016 |
| ^USR(8930.1 | 6089 | 01-Dec-2015 |
| OR EVSEND FH | 6090 | 03-Mar-2016 |
| OR EVSEND LRCH | 6091 | 16-Feb-2016 |
| OR EVSEND ORG | 6092 | 13-Mar-2016 |
| OR EVSEND PS | 6093 | 13-Mar-2016 |
| OR EVSEND RA | 6094 | 04-Mar-2016 |

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| **Resource** | **DBIA #** | **Date Approved** |
| OR EVSEND VPT | 6095 | 29-Mar-2016 |
| ^TIU(8925 | 6154 | 20-Jan-2016 |
| $$ACTLOC | 6251 | 07-Mar-2016 |
| $$LEXXFRM | 6254 | 01-Feb-2016 |
| DEFSORT | 6261 | 07-Feb-2016 |
| COMBPTS | 6268 | 07-Mar-2016 |
| IMTYPSEL | 6269 | 07-Mar-2016 |
| INPLOC | 6272 | 07-Mar-2016 |
| PCDETAIL | 6273 | 07-Mar-2016 |
| GETLIST | 6274 | 07-Mar-2016 |
| ^EDP(230,"V" | 6275 | 26-Apr-2016 |
| ^YTT(601.72 | 6277 | 15-Mar-2016 |
| ^TIU(8925.5 | 6279 | 25-Nov-2015 |
| LAB(64.5 | 6280 | 17-Dec-2015 |
| ^OR(100.24 | 6283 | 06-Apr-2016 |
| ^PSB(53.79 | 6298 | 15-Apr-2016 |
| TIU^HMPEVNT | 6299 | 11-Jan-2016 |
| POSTX^HMPEVNT | 6301 | 11-Jan-2016 |
| ORQQPL4 LEX | 6348 | 02-Feb-2016 |
| DGPF ASSIGN FLAG | 6354 | 06-Apr-2016 |
| GMRD(120.83 | 6357 | 04-Feb-2016 |
| ^ORD(100.98 | 6358 | 07-Feb-2016 |
| STATUS^SDAMA308 | 6359 | 20-Apr-2016 |
| GMRD(120.53 | 6364 | 24-Feb-2016 |
| GMRD(120.52 | 6365 | 24-Feb-2016 |
| GMRD(120.51 | 6366 | 24-Feb-2016 |
| ORD(101.41 | 6367 | 03-Mar-2016 |
| ORD(101.42 | 6368 | 04-Mar-2016 |
| PS(51.2 | 6369 | 04-Mar-2016 |
| PS(55 | 6395 | 21-Mar-2016 |
| SCTM(404.51 | 6396 | 07-Apr-2016 |
| FASTUSER | 6397 | 06-Apr-2016 |
| ORD(101 | 6400 | 07-Apr-2016 |

# Appendix 4 – New Parameters

Table D-1 details the new parameters.

**Table D-1 New Parameters**

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| **New Parameters** |
| PARAMETER DEFINITION LIST MAR 3,2016 07:20 PAGE 1  NUMBER: 855 NAME: HMP CPRS PATH DISPLAY TEXT: CPRS Location MULTIPLE VALUED: No INSTANCE TERM: FREE TEXT  VALUE TERM: PIV Link Message after success  VALUE DATA TYPE: word processing INSTANCE DATA TYPE: free text PRECEDENCE: 1 ENTITY FILE: USER  PRECEDENCE: 4 ENTITY FILE: SYSTEM  NUMBER: 859 NAME: HMP DOMAIN SIZES  DISPLAY TEXT: HMP Average Domain Sizes  MULTIPLE VALUED: Yes INSTANCE TERM: Domain  VALUE TERM: Size (in bytes) VALUE DATA TYPE: numeric VALUE DOMAIN: 0:9999999999:0  VALUE HELP: Enter the average size in bytes for each domain item. INSTANCE DATA TYPE: free text INSTANCE DOMAIN: 1:30  INSTANCE HELP: Enter the internal name for the domain (3rd UID piece). DESCRIPTION:  This parameter contains a list of VPR extract domains and their average sizes. The sizes are used in computing the approximate size of an item with limiting the freshness calls by size.  PRECEDENCE: 10 ENTITY FILE: PACKAGE  NUMBER: 860 NAME: HMP EXTRACT DISK SIZE LIMIT  DISPLAY TEXT: Extracts Size Limit (MBs)  VALUE TERM: HMP XTMP Megabytes VALUE DATA TYPE: numeric VALUE DOMAIN: 10:2000:0  VALUE HELP: Enter the # of megabytes of data that triggers a requeue (10-2000) DESCRIPTION:  Maximum size (megabytes) of all VPR extracts in ^XTMP("VPRFX~\*") waiting to be sent to HMP servers as part of getPtUpdates.  If maximum is reached, patient domain extract TasKman jobs will be requeued to a future time, as specified in the VPR EXTRACT TASK REQUEUE SECS parameter. At that time, this maximum check will be performed again.  Also, this maximum check occurs when an executing extract job is about to start another domain extract. If maximum size has been reached, the job will hang the number of seconds specified by the VPR EXTRACT TASK REQUEUE SECS parameter. The maximum check will occur again after the hang time has expired.  This limit is needed to insure the ^XTMP global does not get too big during initial/resync domain extract processing and cause disk full errors.  PRECEDENCE: 1 ENTITY FILE: SYSTEM  NUMBER: 861 NAME: HMP EXTRACT TASK REQUEUE SECS  DISPLAY TEXT: seconds to requeue task or hang job  VALUE TERM: Requeue/Hang seconds VALUE DATA TYPE: numeric  VALUE DOMAIN: 5:60:0 VALUE HELP: Enter 5 to 60 seconds DESCRIPTION:  When extract task cannot be run because of possible ^XTMP disk concerns, this parameter is used to requeue the task to a future date/time or hang an extract job currently executing. |

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| **New Parameters** |
| ^XTMP disk space frees up as other already generated extracts are sent to the various HMP servers.  Allowed Values: 5 to 60 (5 seconds to 1 minute) Default: 10 (if parameter not set)  Initialized: 10 (set in post-init during first install) PRECEDENCE: 1 ENTITY FILE: SYSTEM  NUMBER: 856 NAME: HMP JSON SCHEMA  DISPLAY TEXT: HMP JSON Extract Schema  VALUE TERM: JSON Schema Version VALUE DATA TYPE: numeric VALUE DOMAIN: 1:999:4  VALUE HELP: Enter the version / build number for the HMP Schema DESCRIPTION:  This contains the version number of the HMP schema which describes the JSON objects produced by the HMP extracts. The whole number increments whenever the schema changes in a way that requires a conversion or  re-extraction of objects. The fractional piece increments whenever the schema is extended.  PRECEDENCE: 1 ENTITY FILE: PACKAGE  NUMBER: 857 NAME: HMP LOCATIONS DISPLAY TEXT: HMP Locations MULTIPLE VALUED: Yes  INSTANCE TERM: Clinic VALUE TERM: Synchronized  VALUE DATA TYPE: yes/no INSTANCE DATA TYPE: pointer INSTANCE DOMAIN: 44  INSTANCE HELP: Enter clinic to synch with HMP  PRECEDENCE: 5 ENTITY FILE: DIVISION  NUMBER: 854 NAME: HMP PARAMETERS DISPLAY TEXT: HMP SYSTEM PARAMETERS MULTIPLE VALUED: Yes  INSTANCE TERM: System Parameters VALUE TERM: System Parameters Name VALUE DATA TYPE: word processing INSTANCE DATA TYPE: free text DESCRIPTION:  This parameter stores a list of parameters used by the HMP middle teir and the HMP UI.  whenever the schema changes in a way that requires a conversion or  re-extraction of objects. The fractional piece increments whenever the schema is extended.  PRECEDENCE: 6 ENTITY FILE: SYSTEM  PRECEDENCE: 1 ENTITY FILE: USER  NUMBER: 853 NAME: HMP SYSTEM NAME  DISPLAY TEXT: Hashed System Name VALUE DATA TYPE: free text VALUE DOMAIN: 1:10  VALUE HELP: Enter the CRC hashed name for this system. DESCRIPTION:  This parameter holds the name of this VistA system, as a hashed base 16 value. It is calculated by a HMP patch post-init and stuffed into the SYStem level value, and should NOT be modified.  PRECEDENCE: 1 ENTITY FILE: SYSTEM  NUMBER: 858 NAME: HMP TASK WAIT TIME DISPLAY TEXT: HMP TASK WAIT TIME VALUE TERM: #SECONDS VALUE DATA TYPE: numeric VALUE DOMAIN: 1:9999  VALUE HELP: Enter the number of seconds to wait before the HMP Data Monitor re  -queues KEYWORD: HMP  INSTANCE DATA TYPE: free text DESCRIPTION:  This is the number of seconds that the system will wait before re-queuing the HMP Data Monitor background job.  PRECEDENCE: 1 ENTITY FILE: PACKAGE  PRECEDENCE: 2 ENTITY FILE: SYSTEM  NUMBER: 852 NAME: HMP VERSION |

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| **New Parameters** |
| DISPLAY TEXT: HMP Version VALUE TERM: Version:  VALUE DATA TYPE: numeric VALUE DOMAIN: 1:99:2  VALUE HELP: Enter the current version number of the HMP data extracts. INSTANCE DATA TYPE: free text  DESCRIPTION:  This parameter holds the current version number of the eHMP Patient Record (HMP) data extract RPC's, in the form V.PP where V is the package version number and PP is the latest patch number.  PRECEDENCE: 1 ENTITY FILE: PACKAGE  PRECEDENCE: 1 ENTITY FILE: USER |