# Enterprise Health Management Platform (eHMP)

**Release Notes for Release Version 1.2.19**



# Department of Veterans Affairs

## January 2017

**Version 1.0**

## Revision History

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| --- | --- | --- | --- |
| **Date** | **Version** | **Description** | **Author** |
| 01/26/2017 | 1.0 | Update to document eHMP v1.2.19 | Accenture Federal Services |

**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** |
| 1.2.19 | HMP\*2.0\*8 | 29-Dec-16 | eHMP UI 1.2.7 1.2.rc30.88819 | HMP\*2.0\*8 | HMP 2.0\*2  PX\*1.0\*216 (Note: associated patch; however, not a product or deliverable by Accenture Federal Services (AFS)) |
| 1.2.18 | eHMP UI 1.2.7 | 16-Dec-16 | eHMP UI 1.2.7 1.2.rc30.88819 | HMP\*2.0\*2 | HMP\*2.0\*1  (HMP\_MULTIBUILD\_2-0\_P02\_T3.KID) PSS\*1.0\*197  DG\*5.3\*921 GMRV\*5.0\*32 OR\*3.0\*421 PSB\*3.0\*95 MC\*2.3\*47 |

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| **Revision** | **Release Description** | **Date** | **eHMP User Interface (UI)** | **Health Management Platform (HMP) Patch** | **Pre-Requisite Patches** |
| 1.2.17 | HMP\*2.0\*2 | 19-Dec-16 | eHMP UI 1.2.6 1.2.rc26.79841 | HMP\*2.0\*2 | HMP\*2.0\*1  (HMP\_MULTIBUILD\_2-0\_P02\_T3.KID) PSS\*1.0\*197  DG\*5.3\*921 GMRV\*5.0\*32 OR\*3.0\*421 PSB\*3.0\*95  MC\*2.3\*47 |
| 1.2.16 | HMP\*2.0\*6 | 27-Oct-16 | eHMP UI 1.2.6 1.2.rc26.79841 | HMP 2.0\*6 | HMP\*2.0\*1 |
| 1.2.15 | eHMP UI 1.2.6 | 26-Oct-16 | eHMP UI 1.2.6 1.2.rc26.79841 | HMP 2.0\*1 | 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 | 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 | 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 (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 |

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# 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 1.2 introduced critical viewer edition enhancements to provide new capabilities to the Department of Veterans Affairs (VA) beyond what is available today via Computerized Patient Record System (CPRS), Joint Legacy Viewer (JLV), and VistAWeb. The system provides enhanced presentations of clinical data that ranges 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 is also 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 include the Military History applet, improved text search, and online application help screens.

## Purpose

These release notes provide an overview of the patch, and closed and known defects associated with this release.

This version of the release notes covers the release of eHMP Version 1.2.19 that incorporates the release of HMP\*2.0\*8.

## Scope

These release notes associated with eHMP Release Version 1.2.19 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

## VistA Patch Installation

### Prerequisites for Installation

A prerequisite for installation is that sites are up to date, meaning, that previously nationally released patches have been installed.

### 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**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **ID** | **Name** | **Severity** | **Opened Date** | **Planned Release** |
| DE3057 | Visit date showing up as 'Invalid Date' on patient select page | Low | 11/10/2015 | HMP\*2.0\*4 |
| DE3409 | MAXSTRING at STRING+7^HMPD in Portland Production | Medium | 01/06/2016 | HMP\*2.0\*4 |
| DE3944 | Procedures (Surgery/SR) and their result documents do not trigger a freshness update | High | 02/29/2016 | HMP\*2.0\*4 |
| DE4198 | ICR 2048 Remediation - HMP should use the VPR 1.5+ improvements to use ENCEVENT^PXKENC | Medium | 03/24/2016 | HMP\*2.0\*3 |
| DE4214 | HMPUPD and HMP PUT DEMOGRAPHICS are unused and need to be removed | Low | 03/25/2016 | HMP\*2.0\*3 |
| DE4264 | ICR 2686 - OE/RR direct reference to XTV(8989.5 | Low | 03/31/2016 | HMP\*2.0\*3 |
| DE4382 | ICR 6395 - HMP READ ACCESS TO PS(55 | Low | 04/11/2016 | HMP\*2.0\*3 |
| DE4384 | ICR 6277 - HMP ACCESS TO the MH Questions file (#601.72) | Medium | 04/11/2016 | HMP\*2.0\*4 |
| DE4469 | ICR 6359 - Using STATUS^SDAMA308 API to retrieve the Patient Appointment Status | Low | 04/19/2016 | HMP\*2.0\*3 |
| DE4474 | GETKEYS^HMPCRPC1 does not handle broken key pointers or delegated keys | Medium | 04/19/2016 | HMP\*2.0\*4 |
| DE4488 | ICR 6369 - Accessing the MEDICATION ROUTES File (#51.2) using direct global reads | High | 04/20/2016 | HMP\*2.0\*3 |
| DE4496 | Patient loop exits prematurely during Operational Data Synch if DFN is less than one. (pt-select domain) | High | 04/20/2016 | HMP\*2.0\*4 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **ID** | **Name** | **Severity** | **Opened Date** | **Planned Release** |
| DE4611 | checkHealth does not include commas between list elements in JSON objects | Medium | 04/28/2016 | HMP\*2.0\*4 |
| DE4685 | Direct Global Read: ^AUPNPROB | Medium | 05/04/2016 | HMP\*2.0\*3 |
| DE4777 | Undefined Error in DC Production | Low | 05/11/2016 | HMP\*2.0\*4 |
| DE4879 | The ""stampTime"" did not get updated when modifying the Health Factor | Medium | 05/20/2016 | HMP\*2.0\*4 |
| DE5033 | Replace calls to the ICDCODE APIs to use ICDEX APIs | Medium | 05/27/2016 | HMP\*2.0\*3 |
| DE5038 | VX-Sync did not get right data in freshness for Procedure domain via VistA code. | Medium | 05/27/2016 | HMP\*2.0\*3 |
| DE5080 | Undefined error during ODS in orderable items domain. VALIDOI+3^HMPCORD4 | Low | 06/01/2016 | HMP\*2.0\*4 |
| DE5111 | Undefined error retrieving child orders GET+8^ORQ12 | Low | 06/03/2016 | HMP\*2.0\*3 |
| DE5139 | Undefined error in ORWPCE PCE4NOTE remote procedure (production) | High | 06/06/2016 | HMP\*2.0\*4 |
| DE5208 | Retire ""HMP SAVE NOTE STUB"" RPC call. | Low | 06/09/2016 | HMP\*2.0\*3 |
| DE5209 | The VX-Sync did not get a new update for the provider at initial sync and freshness update | Medium | 06/09/2016 | HMP\*2.0\*4 |
| DE5369 | Sync Adverse Reaction Assessment data to JDS | Medium | 06/17/2016 | HMP\*2.0\*4 |
| DE5411 | Rebooked appointments have incorrect status | Low | 06/22/2016 | HMP\*2.0\*4 |
| DE5645 | Order Detail: Missing Treating Specialty ID in JDS | Medium | 07/12/2016 | HMP\*2.0\*4 |
| DE5719 | VA-480 More Strange (Lab/Rad) orders in the meds applets | High | 07/14/2016 | HMP\*2.0\*4 |
| DE5916 | Clinical reminders show in CPRS but not eHMP r1.2/R1118324FY17 | Critical | 07/22/2016 | HMP\*2.0\*4 |
| DE6002 | Orders: Order Status Change Not Reflected For Outpatient Med Order Placed on Hold but Unsigned | High | 07/27/2016 | HMP\*2.0\*4 |
| DE6047 | Freshness stream error when deleting ""tidy"" nodes TIDYX+3^HMPDJFSG | Medium | 07/29/2016 | HMP\*2.0\*4 |
| DE6100 | ICR Change GETFREQ^ORWLEX to call FREQ^LEXU | High | 08/02/2016 | HMP\*2.0\*3 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **ID** | **Name** | **Severity** | **Opened Date** | **Planned Release** |
| DE6147 | Change direct global read of DIC(4 in HMPTFU2 to be FileMan reads | Medium | 08/03/2016 | HMP\*2.0\*3 |
| DE6168 | Error when building consult domains, MAXSTRING at line ESC+5^HMPJSONE at Indianapolis | Low | 08/04/2016 | HMP\*2.0\*4 |
| DE6285 | ""Refused"" temperature vital JDS record has ""metricResults"" value of -17.8 | Medium | 08/10/2016 | HMP\*2.0\*3 |
| DE6332 | Narrative Lab Results: Missing Electron Microscopy Report Content And Status=Completed in eHMP versus Incomplete in VistA (Test Data Issue?) | Medium | 08/12/2016 | HMP\*2.0\*3 |
| DE6363 | HMP Routines Are Missing ICR Documentation | Medium | 08/16/2016 | HMP\*2.0\*3 |
| DE6374 | Error when decoding JSON object at Memphis, DIRECT+24^HMPJSOND | Medium | 08/16/2016 | HMP\*2.0\*4 |
| DE6480 | Unused RPCs in HMP UI CONTEXT | Medium | 08/22/2016 | HMP\*2.0\*3 |
| DE6485 | PCE^HMPEVNT is causing a problem with lab results reporting. Reported in San Diego, Portland | High | 08/23/2016 | HMP\*2.0\*4 |
| DE6486 | Need RPC's to return items in the freshness stream, and then allow selective removal | High | 08/23/2016 | HMP\*2.0\*4 |
| DE6526 | Make the eHMP Monitor/Dashboard conform to SAC standards | Low | 08/24/2016 | HMP\*2.0\*3 |
| DE6589 | HMP Remote Procedures no longer being used | Medium | 08/29/2016 | HMP\*2.0\*3 |
| DE6591 | HL7 date-time format may be 12 characters instead of 14, related to DE5016 | Medium | 08/29/2016 | HMP\*2.0\*4 |
| DE6594 | Alias flag not returned on full-name patient search results data | Low | 08/29/2016 | HMP\*2.0\*3 |
| DE6606 | Review all calls to GET^DIQ and GETS^DIQ for efficiency | High | 08/29/2016 | HMP\*2.0\*4 |
| DE6629 | Allergy Writeback not rejecting invalid entries | Critical | 08/31/2016 | HMP\*2.0\*4 |
| DE6644 | Update HMP CHKXTMP remote procedure to provide data that can be parsed and fix monitor | Low | 08/31/2016 | HMP\*2.0\*4 |
| DE6652 | ICR 6357 - Remove sign-symptom domain | High | 09/01/2016 | HMP\*2.0\*3 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **ID** | **Name** | **Severity** | **Opened Date** | **Planned Release** |
| DE6716 | Prod\_Medications Are Displaying without Names | High | 09/06/2016 | HMP\*2.0\*4 |
| DE6856 | Undefined variable HMPFRSP in Production site Omaha in routine HMPDJFS | High | 09/14/2016 | HMP\*2.0\*4 |
| DE6869 | VA-515 Empty Data Source Modal in eHMP | High | 09/14/2016 | HMP\*2.0\*3 |
| DE6877 | Portland\_Production - Problems in CPRS not displaying in eHMP | High | 09/14/2016 | HMP\*2.0\*4 |
| DE6942 | VA-514 Not all Progress Notes display within eHMP | High | 09/19/2016 | HMP\*2.0\*3 |
| DE7331 | Unused RPCs should be removed from HMP UI CONTEXT and HMP SYNCHRONIZATION CONTEXT | Medium | 12/21/2016 | HMP\*2.0\*3 |
| DE7337 | DGWPT BYWARD RPC needs to be added to HMP menu option | Medium | 12/21/2016 | HMP\*2.0\*3 |

# Included New Functionality and Defect Fixes

## Included User Stories

There were no user stories implemented in eHMP Release 1.2.19.

## Fixed Defects

Defects resolved in eHMP Release 1.2.19 are listed below in Table 5-1.

**Table 5-1 Fixed Defects**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **ID** | **Name** | **Severity** | **Opened Date** | **Test Method/Test Case Identifier** |
| DE6888 | Enable Add Immunizations after PX215 National Release. | High | 09/15/2016 |  |

### Fixed VA Defects

There were no VA reported defects fixed in eHMP Release 1.2.19.

# Appendix 1 – M Triggers

Table A-1 details the M Triggers.

**Table A-1 M Triggers**

|  |
| --- |
| **M Triggers** |
| Protocol Name New/Modified/Deleted  ------------- --------------------  HMP DGPF ASSIGN FLAG Modified  PROTOCOL List NOV 15, 2016@20:00 PAGE 1  NUMBER: 6193 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.  ENTRY ACTION: I $G(DGDFN),$L($T(POST^HMPEVNT)) D POST^HMPEVNT(DGDFN,"patient", DGDFN) |

# 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**

|  |
| --- |
| **VA FileMan Files** |
| STANDARD DATA DICTIONARY #800000 -- HMP SUBSCRIPTION FILE 11/15/16 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  800000,.07 DEFAULT? 0;7 SET  '1' FOR YES;  '0' FOR NO;  LAST EDITED: JUL 20, 2016  HELP-PROMPT: Enter 1 for the default eHMP primary  subscription.  DESCRIPTION: This field identifies the primary eHMP  subscription for this server. It identifies this server as the default for operations such as selecting a subscription to monitor in the option eHMP Dashboard [HMPMON DASHBOARD]. Only one server at a time can be set as the default. If this file contains only one record, then it will be used automatically as the default.  TECHNICAL DESCR: Used in $$GETSRVR^HMPMOND to identify the  default subscription if this file contains more than one.  FIELD INDEX: AD (#1341) REGULAR IR SORTING ONLY  Short Descr: Index of operational data by server. |

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| **VA FileMan Files** |
| Description: This index is used to find operational data for each eHMP server.  Set Logic: S ^HMP(800000,"AD",X,DA)=""  Set Cond: S X=X(1)  Kill Logic: K ^HMP(800000,"AD",X,DA)  Kill Cond: S X=X(1)  Whole Kill: K ^HMP(800000,"AD")  X(1): DEFAULT? (800000,.07) (Subscr 1) (forwards)  STANDARD DATA DICTIONARY #800003 -- HMP EVENT FILE 11/15/16 PAGE 1 STORED IN ^HMPLOG(800003, \*\*\* 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 to log VistA events relevant to the eHMP environment. Its primary purpose is to record data that otherwise would not be logged, such as corrupt or missing data, or broken pointers.  It is also used by the eHMP to log maintenance activities.  DD ACCESS: @ RD ACCESS:  WR ACCESS: @ DEL ACCESS: @ LAYGO ACCESS: @ AUDIT ACCESS: @  IDENTIFIED BY: EVENT DATE/TIME (#.02)[R]  CROSS  REFERENCED BY: TYPE OF EVENT(ATYP), LOG NUMBER(B), EVENT DATE/TIME(C) 800003,.01 LOG NUMBER 0;1 NUMBER (Required)  INPUT TRANSFORM: K:+X'=X!(X>999999999)!(X<1)!(X?.E1"."1N.N) X S:  $G(X) DINUM=X LAST EDITED: JUN 13, 2016  HELP-PROMPT: Type a number between 1 and 999999999, 0  decimal digits.  DESCRIPTION: This is an integer that corresponds to the internal entry number.  TECHNICAL DESCR:  An integer with a DINUM relationship.  NOTES: XXXX--CAN'T BE ALTERED EXCEPT BY PROGRAMMER CROSS-REFERENCE: 800003^B  1)= S ^HMPLOG(800003,"B",$E(X,1,30),DA)=""  2)= K ^HMPLOG(800003,"B",$E(X,1,30),DA)  800003,.02 EVENT DATE/TIME 0;2 DATE (Required)  INPUT TRANSFORM: S %DT="ESTXR" D ^%DT S X=Y K:Y<1 X LAST EDITED: JUN 13, 2016  HELP-PROMPT: Enter the date and time (with seconds) of the event. Time is required.  DESCRIPTION: This is a precise date with required time (with seconds). This field is required for each entry.  CROSS-REFERENCE: 800003^C  1)= S ^HMPLOG(800003,"C",$E(X,1,30),DA)=""  2)= K ^HMPLOG(800003,"C",$E(X,1,30),DA)  3)= Do not delete this cross-reference. It all ows for lookup by date/time.  Allows a user to look up an HMP EVENT entry by |

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| **VA FileMan Files** |
| date and time.  800003,.03 TYPE OF EVENT 0;3 SET  'C' FOR corruption; 'I' FOR informational; 'M' FOR missing entry; 'O' FOR other;  LAST EDITED: JUN 13, 2016  HELP-PROMPT: Indicate the type of event that was logged.  This value is optional.  DESCRIPTION: A set of codes that will be used to classify the type of event logged.  C - Corrupt entry was found. For example, the value in a field would not pass  the Input Transform.  I - Informational. An event of note that would not cause an error.  For example, an entry was missing a field that was expected, but not required.  M - Missing entry. An internal entry number (IEN) was found without a corresponding  entry. Also called a "broken pointer" or "dangling pointer".  O - Other type of event. Use this code for all other event types.  CROSS-REFERENCE: 800003^ATYP  1)= S ^HMPLOG(800003,"ATYP",$E(X,1,30),DA)=""  2)= K ^HMPLOG(800003,"ATYP",$E(X,1,30),DA)  3)= Do not delete. This field is used to sort by event type.  This cross-reference can be used to provide reports of specific event types.  800003,1 DESCRIPTIVE TEXT 1;0 WORD-PROCESSING #800003.01  (IGNORE "|")  INPUT TEMPLATE(S):  PRINT TEMPLATE(S):  SORT TEMPLATE(S):  FORM(S)/BLOCK(S):  STORED IN ^HMP(800000, \*\*\* NO DATA STORED YET \*\*\* SITE: VEHU MASTER UCI: VI STA,ROU |

# Appendix 3 – Approved Integration Control Registrations

Table C-1 details the Approved Integration Control Registrations.

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

|  |  |  |
| --- | --- | --- |
| **Resource** | **DBIA #** | **Date Approved** |
| ^LAB(60 | 91 | 01/27/2016 |
| ADM^VADPT2 | 325 | 12/18/2015 |
| ^DG(40.8 | 417 | 04/11/2016 |
| LAB(61 | 524 | 11/19/2015 |
| LRO(69 | 532 | 11/13/2015 |
| ^DIC(40.7 | 557 | 12/16/2015 |
| EN^ORX8 | 871 | 03/30/2016 |
| ^RADPT("AO" | 1172 | 03/18/2016 |
| DGPM MOVEMENT EVENTS | 1181 | 04/13/2016 |
| SDAM APPOINTMENTS EVENTS | 1320 | 04/19/2016 |
| EN1^GMRVUT0 | 1446 | 12/05/2015 |
| GMRA ENTERED IN ERROR | 1467 | 02/23/2016 |
| GMRA SIGN-OFF ON DATA | 1469 | 02/23/2016 |
| ORQPT CLINIC PATIENTS | 1652 | 01/22/2016 |
| ORWU USERINFO | 1791 | 01/27/2016 |
| ORWRP REPORT LISTS | 1840 | 01/27/2016 |
| ORWRP REPORT TEXT | 1841 | 01/27/2016 |
| ^DGPM( | 1865 | 04/15/2016 |
| ^DGPM("APCA", ^DGPM("APMV", ^DGPM("ATID1" | 1865 | 04/15/2016 |
| $$GETENC^PXAPI | 1894 | 10/09/2015 |
| ENCEVENT^PXAPI | 1894 | 10/09/2015 |
| $$TEAMCNT^SCAPMCU1 | 1918 | 10/29/2015 |
| ^AUPNVSIT | 2028 | 11/25/2015 |
| ^GMR(120.8 | 2166 | 12/02/2015 |
| MAIN^PXRM | 2182 | 10/09/2015 |
| $$TSDATA^DGACT | 2248 | 11/30/2015 |
| ^AUPNVPRV( | 2316 | 01/02/2016 |
| WHATIS^USRLM | 2324 | 03/29/2016 |
| OCL^PSOORRL | 2400 | 11/04/2015 |

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| **Resource** | **DBIA #** | **Date Approved** |
| OEL^PSOORRL | 2400 | 11/04/2015 |
| LRO(69 | 2407 | 11/26/2015 |
| PS EVSEND OR | 2415 | 02/17/2016 |
| $$OI^ORX8 | 2467 | 03/30/2016 |
| $$VALUE^ORX8 | 2467 | 03/30/2016 |
| RR^LR7OR1 | 2503 | 11/04/2015 |
| ^XTV(8989.5 | 2686 | 03/30/2016 |
| TEAMPTS^ORQPTQ1 | 2692 | 10/16/2015 |
| EXTRACT^TIULQ | 2693 | 03/28/2016 |
| TIU(8925.1 | 2700 | 11/23/2015 |
| ^AUPNPROB( | 2727 | 03/30/2015 |
| OER^GMRCSLM1 | 2740 | 02/02/2016 |
| DETAIL^GMPLUTL2 | 2741 | 10/19/2015 |
| LIST^GMPLUTL2 | 2741 | 10/19/2015 |
| EDIT^VAFCPTED | 2784 | 04/06/2016 |
| $$CWAD^ORQPT2 | 2831 | 01/20/2016 |
| $$RESOLVE^TIUSRVLO | 2834 | 10/14/2015 |
| ^ORD(101.43 | 2843 | 12/02/2015 |
| CONTEXT^TIUSRVLO | 2865 | 11/23/2015 |
| TGET^TIUSRVR1 | 2944 | 10/16/2015 |
| EXPAND^LR7OU1 | 2955 | 11/15/2015 |
| DOCLIST^GMRCGUIB | 2980 | 02/02/2015 |
| $$ISA^TIULX | 3058 | 10/15/2015 |
| $$PKGID^ORX8 | 3071 | 03/30/2016 |
| ^AUPNVPOV( | 3094 | 11/25/2015 |
| OR EVSEND GMRC | 3135 | 03/13/2016 |
| GMRC EVSEND OR | 3140 | 02/16/2016 |
| EN^ORQ1 | 3154 | 03/30/2016 |
| DG FIELD MONITOR | 3344 | 04/19/2016 |
| ^GMR(120.86 | 3449 | 12/01/2015 |
| RA(79.2 | 3505 | 02/24/2016 |
| LIST^SROESTV | 3533 | 11/16/2015 |
| ONE^SROESTV | 3533 | 11/16/2015 |
| CPCLASS^TIUCP | 3568 | 10/08/2015 |

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| **Resource** | **DBIA #** | **Date Approved** |
| ISCP^TIUCP | 3568 | 10/08/2015 |
| DOSE^PSSOPKI1 | 3739 | 05/11/2015 |
| ^DGS(41.1 | 3796 | 04/13/2016 |
| $$GETACT^DGPFAPI | 3860 | 11/18/2015 |
| DEFLIST^ORQPTQ11 | 4204 | 03/03/2016 |
| WARDPTS^ORQPTQ2 | 4207 | 03/03/2016 |
| CLINPTS^ORQPTQ2 | 4207 | 03/03/2016 |
| PROVPTS^ORQPTQ2 | 4207 | 03/03/2016 |
| SPECPTS^ORQPTQ2 | 4207 | 03/03/2016 |
| PCE4NOTE^ORWPCE3 | 4214 | 03/03/2016 |
| EN1^MDPS1 | 4230 | 01/13/2016 |
| PR690^MDPS1 | 4230 | 12/16/2015 |
| LRPXRM^LRPXAPI | 4245 | 11/05/2015 |
| $$LRDN^LRPXAPIU | 4246 | 11/05/2015 |
| VHF^PXPXRM | 4250 | 10/15/2015 |
| VIMM^PXPXRM | 4250 | 10/15/2015 |
| VPEDU^PXPXRM | 4250 | 10/15/2015 |
| VSKIN^PXPXRM | 4250 | 10/15/2015 |
| VXAM^PXPXRM | 4250 | 10/15/2015 |
| ^PXRMINDX(63 | 4290 | 11/19/2015 |
| $$CREATE^XUSAP | 4677 | 04/14/2016 |
| EIE^GMRAGUI1 | 4682 | 06/01/2016 |
| NKA^GMRAGUI1 | 4682 | 06/01/2016 |
| UPDATE^GMRAGUI1 | 4682 | 06/01/2016 |
| EN1^GMVDCSAV | 4815 | 11/13/2015 |
| ORQQPX REMINDERS LIST | 4898 | 03/29/2016 |
| ORQQPX REMINDER DETAIL | 4899 | 04/06/2016 |
| BYWARD^ORWPT | 4904 | 01/27/2016 |
| ORWPT BYWARD | 4904 | 01/27/2016 |
| PTTEST^YTQPXRM2 | 5035 | 06/01/2016 |
| ENDAS71^YTQPXRM6 | 5043 | 11/07/2015 |
| ^YTT(601.71 | 5044 | 03/03/2016 |
| ^YTT(601.71 | 5044 | 01/08/2016 |
| $$FDEFSRC^ORQPTQ11 | 5137 | 03/03/2016 |

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| **Resource** | **DBIA #** | **Date Approved** |
| GETDLG1^ORCD | 5493 | 04/06/2016 |
| GETORDER^ORCD | 5493 | 04/06/2016 |
| $$CLASS^TIUCNSLT | 5546 | 10/13/2015 |
| ISCNSLT^TIUCNSLT | 5546 | 10/13/2015 |
| ISSURG^TIUSROI | 5676 | 10/13/2015 |
| ^TIU(8926.1 | 5676 | 12/30/2015 |
| $$CLASS^TIUSROI | 5676 | 10/21/2015 |
| TIU(8925.1 | 5677 | 11/25/2015 |
| $$START^SCMCMHTC | 5697 | 10/14/2015 |
| RPC^GMVRPCM | 5702 | 05/11/2015 |
| GET^ORQ12 | 5704 | 03/03/2016 |
| $$ICDDX^ICDEX | 5747 | 10/13/2015 |
| ^MDC(704.102 | 5748 | 01/08/2016 |
| ^ORA(102.4 | 5769 | 07/04/2016 |
| OR(100 | 5771 | 03/03/2016 |
| ^WV(790.05 | 5772 | 02/04/2016 |
| ^MDC(704.117 | 5810 | 04/19/2016 |
| ^MDC(704.118 | 5811 | 12/16/2015 |
| ADMIN^PSBVPR | 6038 | 04/13/2016 |
| GMPL EVENT | 6065 | 02/08/2016 |
| GET^TIUVPR | 6077 | 05/04/2016 |
| $$IFC^GMRCAPI | 6082 | 03/30/2016 |
| ACT^GMRCAPI | 6082 | 03/30/2016 |
| GET^GMRCAPI | 6082 | 04/19/2016 |
| MDC OBSERVATION UPDATE | 6084 | 04/20/2016 |
| RA EVSEND OR | 6086 | 02/16/2016 |
| LR7O CH EVSEND OR | 6087 | 02/16/2016 |
| ^USR(8930 | 6088 | 02/02/2016 |
| ^USR(8930.1 | 6089 | 12/01/2015 |
| OR EVSEND FH | 6090 | 03/03/2016 |
| OR EVSEND LRCH | 6091 | 02/16/2016 |
| OR EVSEND ORG | 6092 | 03/13/2016 |
| OR EVSEND PS | 6093 | 03/13/2016 |
| OR EVSEND RA | 6094 | 03/04/2016 |

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| **Resource** | **DBIA #** | **Date Approved** |
| OR EVSEND VPT | 6095 | 03/29/2016 |
| ^TIU(8925 | 6154 | 01/20/2016 |
| $$ACTLOC | 6251 | 03/07/2016 |
| $$LEXXFRM | 6254 | 02/01/2016 |
| DEFSORT | 6261 | 02/07/2016 |
| COMBPTS | 6268 | 03/07/2016 |
| IMTYPSEL | 6269 | 03/07/2016 |
| INPLOC | 6272 | 03/07/2016 |
| PCDETAIL | 6273 | 03/07/2016 |
| GETLIST | 6274 | 03/07/2016 |
| ^EDP(230,"V" | 6275 | 04/26/2016 |
| ^YTT(601.72 | 6277 | 03/15/2016 |
| ^TIU(8925.5 | 6279 | 11/25/2015 |
| LAB(64.5 | 6280 | 12/17/2015 |
| ^OR(100.24 | 6283 | 04/06/2016 |
| ^PSB(53.79 | 6298 | 04/15/2016 |
| TIU^HMPEVNT | 6299 | 01/11/2016 |
| POSTX^HMPEVNT | 6301 | 01/11/2016 |
| ORQQPL4 LEX | 6348 | 02/02/2016 |
| DGPF ASSIGN FLAG | 6354 | 04/06/2016 |
| GMRD(120.83 | 6357 | 02/04/2016 |
| ^ORD(100.98 | 6358 | 02/07/2016 |
| STATUS^SDAMA308 | 6359 | 04/20/2016 |
| GMRD(120.53 | 6364 | 02/24/2016 |
| GMRD(120.52 | 6365 | 02/24/2016 |
| GMRD(120.51 | 6366 | 02/24/2016 |
| ORD(101.41 | 6367 | 03/03/2016 |
| ORD(101.42 | 6368 | 03/04/2016 |
| PS(51.2 | 6369 | 03/04/2016 |
| PS(55 | 6395 | 03/21/2016 |
| SCTM(404.51 | 6396 | 04/07/2016 |
| FASTUSER | 6397 | 04/06/2016 |
| ORD(101 | 6400 | 04/07/2016 |
| PSB EVSEND VPT | 6085 | 05/04/2016 |

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| **Resource** | **DBIA #** | **Date Approved** |
| DETAIL^ORQ2 | 4203 | 10/31/2016 |
| PXK VISIT DATA EVENT | 1298 | 05/18/2016 |
| GMPL(125.8,”AD” | 2974 |  |
| AUTTHF(“B” | 1989 |  |
| NEW^GMPLSAVE | 2978 |  |
| ^RAMIS(71.2 | 587 |  |
| GMPL(125.8 | 2974 |  |
| RPC: GMV GET CURRENT TIME | 4355 |  |
| RPC: GMV MARK ERROR | 4414 |  |
| RPC: GMV ADD VM | 3996 |  |
| RPC: GMV VITALS/CAT/QUAL | 4359 |  |
| RPC: TIU CREATE ADDENDUM RECORD | 1805 |  |
| RPC: TIU CREATE RECORD | 1806 |  |
| RPC: TIU DELETE RECORD | 1811 |  |
| RPC: TIU DOCUMENTS BY CONTEXT | 3198 |  |
| ROC: TIU GET DOCUMENT TITLE | 3923 |  |
| RPC: TIU GET RECORD TEXT | 1635 |  |
| RPC: TIU GET REQUEST | 3438 |  |
| RPC: TIU IS THIS A CONSULT? | 3201 |  |
| RPC: TIU IS THIS A SURGERY? | 3966 |  |
| RPC: TIU ISPRF | 5986 |  |
| RPC: TIU LOCK RECORD | 3897 |  |
| RPC: TIU LONG LIST OF TITLES | 3204 |  |
| RPC: TIU REQUIRES COSIGNATURE | 1800 | 11/16/2016 |
| RPC: TIU SET DOCUMENT TEXT | 3954 |  |
| RPC: TIU SIGN RECORD | 1790 |  |
| RPC: TIU UNLOCK RECORD | 3900 |  |
| RPC: TIU UPDATE RECORD | 1799 |  |
| ^AUTTEDT(“B” | 1987 |  |
| ^AUTTEXAM(“B” | 1988 |  |
| ^GMR(120.5,D0,2 | 1381 |  |
| ^ORD(100.03,D0,0),”^”) | 2576 |  |
| DOCCLASS^TIUCL1 | 3548 |  |
| RPC: PX SAVE DATA | 6023 |  |

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| --- | --- | --- |
| **Resource** | **DBIA #** | **Date Approved** |
| BSA AND BMI | 6414 |  |
| DGPF CHANGE ASSIGNMENT OWNERSHIP | 6416 | 07/25/2016 |
| DGPF EDIT ASSIGNMENT | 6415 | 07/25/2016 |
| ACCEPT | 6435 |  |
| EDITSAVE | 6436 |  |
| VALID | 6434 |  |
| SAVE | 6440 |  |
| GETXTRA | 6428 |  |
| CLINPTS2 | 6437 |  |
| LOCK | 6440 |  |
| UNLOCK | 6440 |  |
| File 120.5 | 6432 |  |
| ORDRNUM | 6426 |  |
| LOCKORD | 6440 |  |
| UNLKORD | 6440 |  |
| SEND | 6440 |  |
| LEX | 6441 |  |
| VALIDSIG | 6442 |  |
| RPC: ORQQVI NOTEVIT | 6454 |  |
| CLINDOC^TIULC1 | 6489 |  |
| GETFREQ^ORWLEX | 6490 |  |
| ADDSAVE^ORQQPL1 | 6448 | 11/08/2016 |
| PROB^ORQQPL3 | 6452 | 11/08/2016 |
| EDSAVE^ORQQPL1 | 6451 | 11/08/2016 |
| EDLOAD^ORQQPL1 | 6450 | 11/08/2016 |
| DELETE^ORQQPL2 | 6449 | 11/08/2016 |
| NOTEVIT^ORQQVI | 6454 | 11/08/2016 |
| DETAIL^ORWOR | 5655 | 11/10/2016 |
| EDITSAVE^ORWDAL32 | 5652 | 11/10/2016 |
| RPC: ORWDAL32 CLINUSER | 6456 | 11/08/2016 |

# 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 NOV 15, 2016@20:14 PAGE 1  NAME: HMPMON DASHBOARD UPDATE DISPLAY TEXT: HMP Dashboard Update Rate VALUE DATA TYPE: numeric VALUE DOMAIN: 3:300  VALUE HELP: Enter a number between 3 and 300 seconds inclusively. DESCRIPTION:  This parameter controls the behavior of option eHMP Dashboard [HMPMON DASHBOARD]. Most of this option's prompts time out normally, but its Action Prompts control monitoring screens that auto-update the screen when they time out, to provide dashboard functionality for monitoring the  Vista-side eHMP software.  This parameter ships with three settings:   1. a package default setting, defined by the eHMP development team using parameter template HMPMON DASHBOARD PKG, accessed through menu option Set Package's Dashboard Auto-update Rate [HMPMON SET PKG DASHBOARD RATE], which should not be changed at local sites; 2. a system setting that will override the package setting; it can be defined by the local system manager using parameter template HMPMON DASHBOARD SYS, accessed through menu option Set System's Dashboard Auto-update Rate [HMPMON SET SYS DASHBOARD RATE]; 3. a user setting that overrides the other two; it is defined by the current user using parameter HMPMON DASHBOARD USR, accessed by the dashboard action Change Auto-update Rate action within option eHMP Dashboard [HMPMON DASHBOARD].   It is usually set to 3 to 30 seconds, but can be set as high as 300 seconds to support demonstration or teaching situations. If it is wholly absent, the user's default Vista time-out rate is used.  PRECEDENCE: 1 ENTITY FILE: USER  PRECEDENCE: 2 ENTITY FILE: SYSTEM  PRECEDENCE: 3 ENTITY FILE: PACKAGE  Template Name - Parameter New/Modified/Deleted HMPMON DASHBOARD PKG New  HMPMON DASHBOARD SYS New  HMPMON DASHBOARD USR New  PARAMETER TEMPLATE List NOV 15, 2016@20:12 PAGE 1 NUMBER: 123 NAME: HMPMON DASHBOARD PKG  DISPLAY TEXT: Dashboard Auto-update Rate USE ENTITY FROM: PACKAGE  SEQUENCE: 1 PARAMETER: HMPMON DASHBOARD UPDATE  NUMBER: 125 NAME: HMPMON DASHBOARD SYS  DISPLAY TEXT: Dashboard Auto-update Rate USE ENTITY FROM: DOMAIN  SEQUENCE: 1 PARAMETER: HMPMON DASHBOARD UPDATE  NUMBER: 124 NAME: HMPMON DASHBOARD USR  DISPLAY TEXT: Dashboard Auto-update Rate USE ENTITY FROM: NEW PERSON  SEQUENCE: 1 PARAMETER: HMPMON DASHBOARD UPDATE |