

THE INDIAN HEALTH SERVICE

EHR Patch Updates

Office Hours

TIU v1.0 p1009



What's new, What's changed

Superior Health Information Management
Now and for the Future

IHS-Office of Information Technology
EHR Program

Office Hour Presenters

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- **CDR Mary Ann Niesen, PharmD, OIT Pharmacy Consultant**
- **Barbara Hess, DHA, OIT EHR Project analyst**

Agenda

- Introduction
- Presenters
 - Office Hour Presenters have different specialties within the EHR system who will be responding to your questions
- Questions/Answers
 - Please do not put your phone “On Hold” during the conference call
 - “Raise your hand” through the Adobe Connect features provided
 - Please state your name/site
 - Please state your question clearly
 - Please keep background noise to a minimum to better hear the questions/answers

CONTENTS OF PATCH

Content of patch

This patch contains 7 VA patches as we begin to upgrade our EHR with the most current VA software. This will be accomplished during the next 12 months over several patches.

These are mandatory patches even though IHS does not use the surgery package.

TIU*1.0*113 - This is a multidivisional patch TIU*1.0*113

- This is the VA integration of their surgery application with TIU. New document class and titles will be added in this patch.
- Requires review and clean up of HOSPITAL LOCATION and MEDICAL CENTER DIVISION files prior to install
- Requires post install routines to be run after hours

TIU*1.0*112 - This is the VA integration of their surgery application with TIU.

- New document class and titles will be added in this patch. ***IHS does not use this package.***

TIU*1.0*187 - Fixes to the surgery patch

TIU*1.0*175 - Other TIU fixes

TIU*1.0*173 - More surgery fixes

TIU*1.0*195 - More surgery fixes

TIU*1.0*171 - Spinal cord injury titles and objects.

- The objects should be inactive. ***IHS does not use this package.*** DO NOT USE IN NOTES

TIU*1.0*1009 - Put the IHS modifications back into the routines modified by these patches

- Several TIU objects added for use in PXR 1.5p1008
- Additional new and updated objects from enhancement requests

TIU Objects - Updated

REPRODUCTIVE HX2-BRIEF

Updated to read more easily

REPRODUCTIVE HX2-EXPANDED

LAST # VITAL SIGN (SAMPLE)

Fixed a bug in sorting vitals

V-POV MULTI-LINE

Added asthma control if DX is asthma

MEDICATION RECONCILIATION

Requested changes made

FUNCTIONAL ASSESSMENT

Change in readability

TIU Objects - New

ASTHMA CONTROLLER MEDS	List taken from the Patient Wellness Handout
ASTHMA RELIEVER MEDS	
MED RECONCILIATION-COMBINED	Sort by status
ONLY LAST # LAB (NO DATES)	Only results for use in letters
TODAY'S MED ORDERS	Medication orders from today
TODAY'S POLICY ORDERS	Per patient-for nursing documentation
TODAY'S TELEPHONE ORDERS	
TODAY'S VERBAL ORDERS	
V EDUCATION-SUBTOPICS	Include subtopics in detailed display
V NPI PRIM PROV	Include provider NPI
PCC PERSONAL HISTORY	Get personal history from PCC file
PATIENT PREFERRED LANGUAGE	Get language from Patient File

TIU Objects - New for Reminders

LAST AUDIT 3 LAST AUDITC 3 LAST CRAFFT 3	Used in Alcohol Screening and ASBI tools
BXPRM LAST PHQ2 BXPRM LAST PHQ9	Used in Depression screening and PHQ9 dialogs
BXPRM LAST GLUCOSE	Used in Diabetes Screening dialog
BPXRM LAST ASPIRIN	Used in Diabetes Aspirin dialogs
BPXRM LAST 2 WEIGHTS	Used in Depo Provera dialog
LAST BPF	Used in Asthma Intake dialog
BPXRM UPDATED TOBACCO	Finds latest tobacco from all categories
CVD TP	Used in CVD dialog

DATABASE PREPARATION

Database Preparation

The Multi-division patch requires review and update of 2 files prior to installation.

Sites **MUST** accomplish these steps whether single- or multi-division.

Search and enter/edit require @ access for both files.

File	Requirements
HOSPITAL LOCATION	Division and Institution fields must be populated
MEDICAL CENTER DIVISION	Institution File Pointer field must be populated

Fileman Print - Hospital Location

- Initially print the contents to screen.
- Looking for any corrupted entries that contain an IEN but no hospital location name

Fileman Print - Hospital Location

Option	User input
Select OPTION:	PRINT FILE ENTRIES
OUTPUT FROM WHAT FILE: VOLUME SET//	HOSPITAL DIVISION
SORT BY: NAME//	NUMBER
START WITH NUMBER: FIRST//	<enter>
WITHIN NUMBER, SORT BY:	<enter>
FIRST PRINT FIELD:	NUMBER;L5
THEN PRINT FIELD:	NAME;L20
THEN PRINT FIELD:	DIVISION;L20
THEN PRINT FIELD:	INSTITUTION;L20
THEN PRINT FIELD:	<enter>
Heading (S/C): MEDICAL CENTER DIVISION LIST Replace	<enter>
STORE PRINT LOGIC IN TEMPLATE:	<enter>
DEVICE: VIRTUAL TERMINAL Right Margin: 80//	<enter>

Fileman Print - Hospital Location

- Look for IEN entries with no name
- Look for Hospital Location entries with missing Division and/or Institution
- You may work from this list or create a more compact list using the Fileman Search option on the next slides

Cache TRM: 3848 (ENSEMBLE)

File Edit Help

HOSPITAL LOCATION LIST OCT 19, 2011 09:16 PAGE 2

NUMBER	NAME	DIVISION	INSTITUTION
18	ZZ-YES	RED LAKE HOSPITAL	DEMO HOSPITAL
19	ZZ4-14	RED LAKE HOSPITAL	DEMO HOSPITAL
20	ZZPEDIATRIC CARDIOLO	RED LAKE HOSPITAL	DEMO HOSPITAL
21	ARMSTRONG - OB/GYN	RED LAKE HOSPITAL	DEMO HOSPITAL
22	ZZ-DAHL	RED LAKE HOSPITAL	DEMO HOSPITAL
23	ZZ-RHEUM	RED LAKE HOSPITAL	DEMO HOSPITAL
24	ZZ8-13-98	RED LAKE HOSPITAL	DEMO HOSPITAL
25	ZZ10-19-95	RED LAKE HOSPITAL	DEMO HOSPITAL
26	ZZ-DR HATCH	RED LAKE HOSPITAL	DEMO HOSPITAL
27	ZZ-MARTY	RED LAKE HOSPITAL	DEMO HOSPITAL
28	ZZ-PMGRASHMEDER	RED LAKE HOSPITAL	DEMO HOSPITAL
29	ZZ-HARRISON	RED LAKE HOSPITAL	DEMO HOSPITAL
30	ZZ-MANGLA	RED LAKE HOSPITAL	DEMO HOSPITAL
31	ZZ-ARCE	RED LAKE HOSPITAL	DEMO HOSPITAL
32	ZZ7-1-94	RED LAKE HOSPITAL	DEMO HOSPITAL
33	ZZ-23/WELSCH	RED LAKE HOSPITAL	DEMO HOSPITAL
34	ZZ-DYKSTRA	RED LAKE HOSPITAL	DEMO HOSPITAL

Fileman Search - Hospital Location

Option	User input
Select OPTION:	SEARCH FILE ENTRIES
OUTPUT FROM WHAT FILE: VOLUME SET//	HOSPITAL LOCATION
-A- SEARCH FOR HOSPITAL LOCATION FIELD:	DIVISION
-A- CONDITION:	NULL
-A- SEARCH FOR HOSPITAL LOCATION FIELD:	INSTITUTION
-A- CONDITION:	NULL
-C- SEARCH FOR HOSPITAL LOCATION FIELD:	<enter>
IF:	A [DIVISION NULL]
OR:	B [Or INSTITUTION NULL]
STORE RESULTS OF SEARCH IN TEMPLATE:	<enter>
SORT BY: NAME//	NUMBER

Fileman Search - Hospital Location

Option	User input
START WITH NUMBER: FIRST//	<enter>
WITHIN NUMBER, SORT BY:	<enter>
FIRST PRINT FIELD:	NUMBER;L5
THEN PRINT FIELD:	NAME;L20
THEN PRINT FIELD:	DIVISION;L20
THEN PRINT FIELD:	INSTITUTION;L20
THEN PRINT FIELD:	<enter>
Heading (S/C): HOSPITAL LOCATION SEARCH Replace	<enter>
DEVICE:	Leave blank to print to screen

Hospital Location Report

RPMS Session			
RPMS		Enter EHR for username, no password.	
HOSPITAL LOCATION SEARCH		OCT 14,2011 12:48	PAGE 4
NUMBER	NAME	DIVISION	INSTITUTION
270	ZZ DENTAL WARLICK		DEMO INDIAN HOSPITAL
272	ZUNKOWN3		DEMO INDIAN HOSPITAL
274	ZZ MED CLINIC TOM		DEMO INDIAN HOSPITAL
278	ZZBEHAVIORAL HEALTH		DEMO INDIAN HOSPITAL
291	ZZ MED CLINIC SOTO		DEMO INDIAN HOSPITAL
293	ZZAMBON		DEMO INDIAN HOSPITAL
294	ZZ MED DOUG SCREWED		DEMO INDIAN HOSPITAL
301	ZZ DENTAL CHIANG		DEMO INDIAN HOSPITAL
303	ZZPHY 2		DEMO INDIAN HOSPITAL
304	ZZ DENTAL CORFMAN		DEMO INDIAN HOSPITAL
318	ZZAMBPMON		DEMO INDIAN HOSPITAL
440	XXXTEST	DEMO INDIAN HOSPITAL	
461	PEDS/GILMORE	DEMO INDIAN HOSPITAL	
471	FELZEIN	DEMO INDIAN HOSPITAL	
480	DOUG NOLAN DON'T USE	2	
482	SURGERY-SOON	DEMO INDIAN HOSPITAL	
496	CHART REQUEST/PI COP	DEMO INDIAN HOSPITAL	

Hospital Location File Clean Up

Option	User input
Select OPTION:	ENTER OR EDIT FILE ENTRIES
INPUT TO WHAT FILE: HOSPITAL LOCATION//	HOSPITAL LOCATION
EDIT WHICH FIELD: ALL//	DIVISION
THEN EDIT FIELD:	INSTITUTION
THEN EDIT FIELD:	<enter>
Select HOSPITAL LOCATION NAME:	` <number from report>
DIVISION:	Appropriate Division
INSTITUTION:	Appropriate Institution
Select HOSPITAL LOCATION NAME:	Repeat until all Hospital Location entries have both DIVISION and INSTITUTION populated

*** Tip

Re-run report this time using PRINT instead of search. Make sure each IEN has a hospital location name, division and institution.

Fileman Print

- Medical Center Division

Option	User input
Select OPTION:	PRINT FILE ENTRIES
OUTPUT FROM WHAT FILE: VOLUME SET//	MEDICAL CENTER DIVISION
SORT BY: NAME//	<enter>
START WITH NAME: FIRST//	<enter>
FIRST PRINT FIELD:	NAME;L20
THEN PRINT FIELD:	INSTITUTION FILE POINTER;L20
THEN PRINT FIELD:	<enter>
Heading (S/C): MEDICAL CENTER DIVISION LIST Replace	<enter>
STORE PRINT LOGIC IN TEMPLATE:	<enter>
DEVICE: VIRTUAL TERMINAL Right Margin: 80//	<enter>

Medical Center Division Report

MEDICAL CENTER DIVISION LIST		OCT 14,2011	13:21	PAGE 1
NAME	INSTITUTION FILE POINTER			
DEMO INDIAN HOSPITAL	DEMO INDIAN HOSPITAL			

Medical Center Division File Clean Up

Option	User input
Select OPTION:	ENTER OR EDIT FILE ENTRIES
INPUT TO WHAT FILE: HOSPITAL LOCATION//	Medical Center Division
EDIT WHICH FIELD: ALL//	INSTITUTION FILE POINTER
THEN EDIT FIELD:	<enter>
Select MEDICAL CENTER DIVISION NAME:	Enter name
INSTITUTION FILE POINTER:	Appropriate Institution
Select MEDICAL CENTER DIVISION NAME:	Repeat until all Medical Center Division entries have the Institution File Pointer field populated

*** Tip

Re-run report to verify fields are populated.

PATCH INSTALLATION

Notes files

- 2 notes files

Tiu_0100.1009n1 – IHS patch notes

Tiu_0100.1009n2 – VA patch notes

It is imperative that site managers read *both notes* files **PRIOR to loading or installing the patch!**

TIU 1009 Installation

- After loading distribution, scroll up to review messages.
- If you see this message DO NOT PROCEED
- Re-run fileman reports and complete clean up
- Proceed with standards KIDS install

Checking DIVISION for all Hospital Location file (#44) entries <AND> INSTITUTION FILE POINTER for all Medical Center Division file (#40.8) entries...

Sorry...DIVISION cannot be determined for all Hospital Location file (#44) entries <AND/OR> INSTITUTION FILE POINTER cannot be determined for all Medical Center Division file (#40.8) entries. Please review and correct both files as necessary.

**** ABORTING INSTALLATION ****

**TIU*1.0*113 Build will not be installed,
Transport Global deleted!**

POST INSTALLATION

Post Install

- Post install must be run ***after hours***
- At a time that does not conflict with system back up
- May take several hours to run
- Journaling needs to be watched while this option is running
- See tiu_0100.1009n2 for information about journaling and timing for running this routine

Run the following routine from Programmer Prompt:

>D MAIN^TIUP113

Post Install

A sample of invoking the routine is as follows:

=====

```
>D MAIN^TIUP113
```

```
PATCH TIU*1*113
```

Load the DIVISION field for TIU DOCUMENT file (#8925) entries.

Requested Start Time: NOW// (AUG 05, 2003@14:21:19)

A task has been queued in the background and a bulletin will be sent to you upon completion of the task or if the task is stopped.

The task number is 5226124.

Post Install

- Once the post install has completed successfully, a bulletin mail message will be sent to the user that invoked the post-installation routine.

A sample of the bulletin mail message is as follows:

```
=====
Subj: PATCH TIU*1*113 Division Loading [#4103234] 05/12/03@17:18 25
lines
```

```
From: PATCH TIU*1*113 DIVISION LOADING In 'IN' basket. Page 1
```

```
-----
Task Started: May 12, 2003@16:47
```

```
Task Ended: May 12, 2003@17:18:19
```

```
Task and post-install COMPLETED successfully.....
```

Post Install

- Next print the entries by type of exception

From Programmer Mode:

```
>D DEVICE^TIUP113
```

This will create the **POST –INSTALL
EXCEPTION LIST**

Post Install

- If there are exceptions, you may invoke the updating of the entries
- Recommend using option 3 and possibly 2

- 1- Exit and do not load Division for exception entries.
- 2- For exception entries in which Division could not be determined from the Hospital Location, prompt me to select one Division and load entries with this Division. (type A)
- 3- For exception entries that were previously in use, try to load Division data again. (type B)

From Programmer Mode

>D UPDATE^TIUP113

New Report

- A new Unsigned/Uncosigned Report
- Add to HIM, CAC menus

TIU UNSIGNED/UNCOSIGNED REPORT