

TIU 1.0 p1011/1012

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CONTENTS OF PATCH

Content of Patch

TIU 1011 – Mega-patch

VA patches

TIU*1.0*166

TIU*1.0*226

TIU*1.0*200

TIU*1.0*221

TIU*1.0*217

TIU*1.0*222

TIU*1.0*211

TIU*1.0*235

TIU*1.0*190

TIU*1.0*230

TIU*1.0*223

TIU*1.0*236

TIU*1.0*216

TIU*1.0*234

TIU*1.0*205

TIU*1.0*231

TIU*1.0*225

TIU*1.0*238

TIU*1.0*213

TIU*1.0*224

IHS modifications

TIU*1.0*1011

Content of Patch (cont.)

- TIU 1012 – New routines and objects to support changes for Meaningful Use Stage 2 changes
 - BTIULO5 - Updated for SNOMED narratives
 - BTIULO7 - For CLIA info on labs
 - BTIUMED9 - For suspended med object
 - BTIUPCC1 - Updated for SNOMED narratives
 - BTIUPDD - New objects for Integrated problem list
 - BTIUPRVI - New objects for visit data
 - BTIUSTSC - New object for Stroke Scores
 - BTIUVAMI - New object for V AMI file
 - BTIUVSTR - New object for V Stroke file

TIU 1011/1012 in a Nutshell

Signed note will no longer honor business rules that allow users to edit them except for Chief MIS

- This primarily will impact existing rules that allow expected cosigner to edit a signed note prior to cosigning (such as for student)
- Training issue – cosigners would write amendment rather than edit note

New objects for IPL and other Meaningful Use 2014 software changes

- Review and update templates if needed prior to deployment but not essential for Go Live

Note title clean up and mapping to VHA Enterprise Document

- Review and have basic understanding
- Not required to do anything for Go Live but after install you will need to map NEW note titles
- Schedule clean up and mapping over next few months

Form letters

- New functionality
- Deploy routinely if desired

NATIONAL NOTE TITLE CLEAN-UP AND MAPPING

National Note Title Cleanup

- Introduces the VHA Enterprise Document Type Ontology and mapping utility
- Assists CACs with mapping local TIU note titles to VHA Enterprise Standard Titles
- New files introduced

8926.1 TIU VHA ENTERPRISE STANDARD TITLE
8926.2 TIU LOINC SUBJECT MATTER DOMAIN
8926.3 TIU LOINC ROLE
8926.4 TIU LOINC SETTING
8926.5 TIU LOINC SERVICE
8926.6 TIU LOINC DOCUMENT TYPE

Why Map to Standard Titles?

- The following slides are excerpted from CPRS National Call February 2006, Veterans Health Administration, Office of Information, Health Data and Informatics

Why Standardize Clinical Document Titles?

- Share meaningful titles across systems
- Create searchable, retrievable, comparable, and computable data
- Capture complete health information

How were Note Title Standards Determined?

- Researched existing Standard Development Organizations (SDO) for existing clinical document standards. (LOINC and HL7)
- Extracted all TIU document titles from 128 databases [in the VA] (156,000)
- Analyzed every term within the extracted Titles.
- Categorized the title terms to follow LOINC and HL7 standards.

Local Title Examples: The Need for Standardization

- AUDIO/REEVAL/HA CHECK (T)(CI)
- CH-SARP NOTE
- CIH/STAR II CONSULT
- DME CLINIC (T)
- IC/ID/V
- SOCIAL WORK BOMH DISPOSITION NOTE (O) (T)
- UR 67CD (T)(K)
- BLDG 85 CAFFEINE CLASS
- BED STY NURSING NOTE
- BUDGET GROUP, PHASE I (CI)
- DIVERSIONAL ACTIVITY - K
- PATIENT HEALTH EDU POINT AND CLICK
- RAP NOTE (K)
- STARDOM EVALUATION

What TIU Data will be Standardized and When?

TIU Document Definition file 8925.1

- Name field .01 (note title name)

TIU Document file 8925

- Status Field .05
 - Keeping current statuses.

When: Installation of TIUv1.0 Patch1011

LOINC Standards:

LOINC document naming nomenclature contains five axes:

- **Subject Matter Domain** – Characterizes the subject matter of a note.
- **Role** - Characterizes the training or professional level of the author of the document, but does not breakdown to specialty or subspecialty.
- **Setting** – Characterizes the general setting of the health care being provided. Setting is not equivalent to location, which typically has more locally defined meanings.
- **Service** - Characterizes the kind of service or activity that was provided to/for the patient as described in the note. Common subclasses of service would be examinations, evaluations, and management.
- **Document Type** - Characterizes the general structure of the document at a macro level.

Standard Title Terms

A standard note title is created by combining terms from each axis into a composite title.

Subject Matter Domain (SMD)

Primary Care
Cardiology

Role

Physician
Nurse
Attending

Setting

Inpatient
Outpatient
Home Health Care

Service

Counseling
Diagnostic Study
Evaluation and
Management

Document Type

Note
Consult
Report

Order of Title Terms

The order of combining terms within a Title is as follows:

Subject Matter Domain : Role : Setting : Service : Document Type

- Not all axes are required to create a valid document title; some axes may be blank.
- For example if we took "**Cardiology**" from the SMD axis and "**Consult**" from the Document Type axis, the following title could be created:

Cardiology : No Author/Role : No Setting : No Service: **Consult**

Result:

Cardiology Consult

More Examples of Standard Titles

Report of Contact (Document Type only)

Physical Therapy Note (SMD, Document Type)

Primary Care Nursing Outpatient Note (SMD, Role, Setting, Document Type)

Advance Directive (Document Type)

Audiology Inpatient Diagnostic Study Report (SMD, Setting, Service, Document Type)

Important Facts

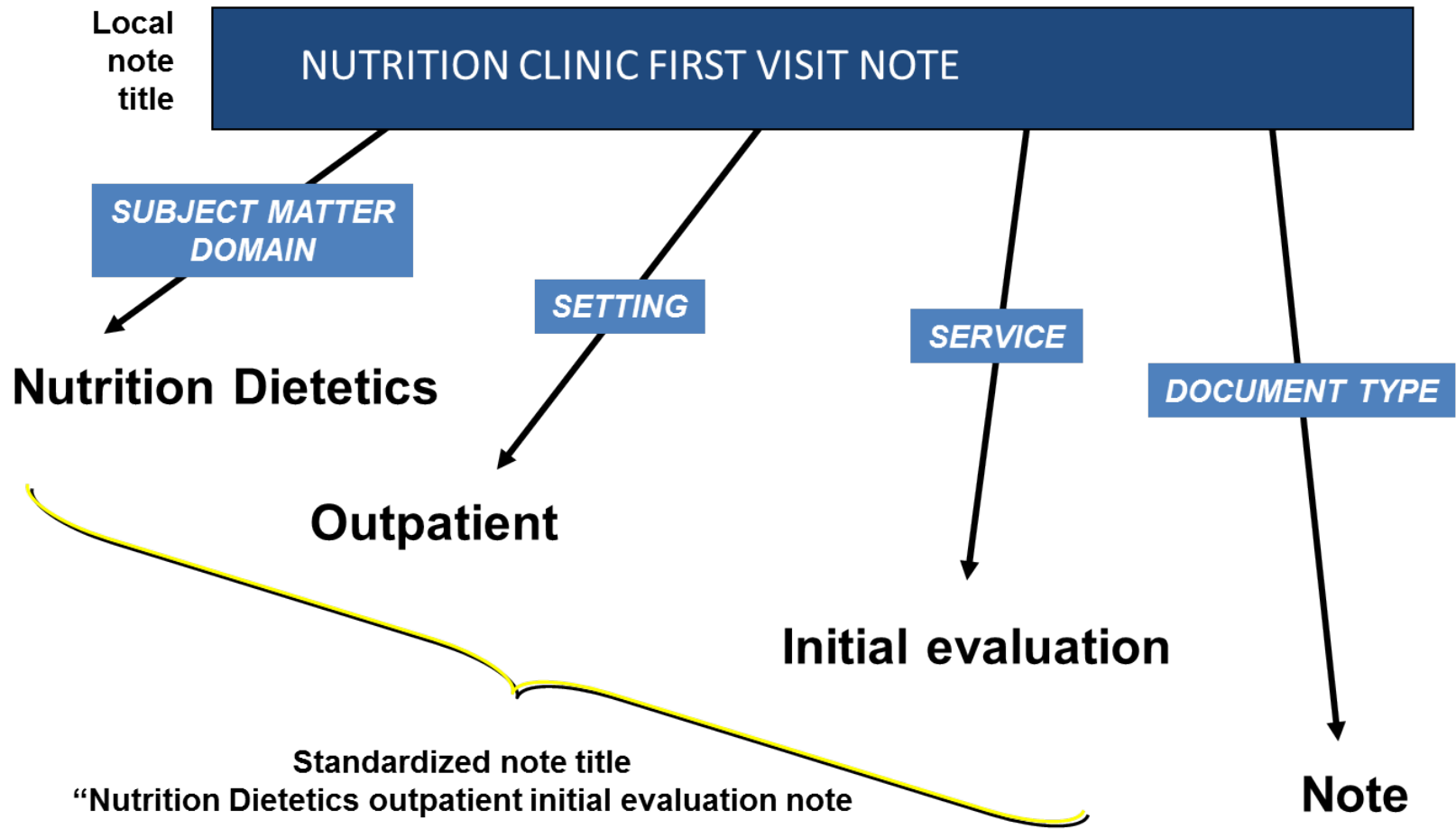
No delimited characters in standard titles with the exception of “&”. HL7 specifications use delimited characters for message transmission.

- Examples of delimited characters: ; ~ ^ : |

Sites will maintain their local titles in the Text Integrated Utility Document Definition file 8925.1

The VA sends these documents to the “Health Data Repository”
– we do not yet but this will prepare for future exchange of data.

Implementation -- Mapping



MAPPING PROCESS

Mapping to National Titles

1. Perform Active Title Cleanup
 - Inactivate unused note titles (except National titles)
2. Print a list of Active Note Titles
3. Review of VHA Enterprise Standard Titles
 - <http://vista.med.va.gov/tiu/docs/TIUTermAndTitleStandards-1.xls>
4. Review and identify which standard titles your local titles may be mapped to
 - Direct map
5. Add Synonyms (optional)
6. Use mapping tools to map remaining titles

STEP 1: ACTIVE TITLE CLEANUP REPORT/UTILITY

Active Title Cleanup Report

- Delivers a report “Active Title Cleanup Report” and automated cleanup utility to assist the Data Standardization’s efforts and standardize Document Titles.
 - Cleanup report should be run and inactive notes processed prior to using mapping options
 - National Note titles such as Crisis Note, Advanced Directive and Patient Record flag note titles should NOT be inactivated

Active Title Cleanup Report

- When running report
 - Users may be on system
 - Run at time that does not conflict with system back up
 - Processing times will vary
- The report will display all currently ACTIVE titles along with the number of instances that title has been used in the previous 365 days, the last day that title has been used, along with the last AUTHOR/DICTATOR of that entry.

Active Title Cleanup Report

- INACTIVE titles will only appear on the report if that title has been used in the previous 365 days.
- ACTIVE titles that have a document type field that points to a document (in 8925.1) of type DOCUMENT CLASS or CLASS will have a *[DOCUMENT CLASS]* or *[CLASS]* tag appended to the title respectively.
- ACTIVE titles that contain a 0 (zero) or NULL document type field will be displayed as UNKNOWN *[missing]* on the report and the document IENs for these titles will be listed at the end of the report.

Active Title Cleanup Report

- All ACTIVE titles with a count of 0 (zero) will be selected for automatic inactivation ONLY AFTER USER INTERVENTION DURING THE REPORT PROCESS. No changes will be made to file #8925.1 without consent from the user.
- Specific titles may be selected that will NOT be INACTIVATED even if their usage count for the last year is 0.

Active Title Cleanup Report

- You will run the utility twice
 - The first time you will select NO when prompted to inactivate note titles. This allows you to review your system.
 - The second time you will inactivate selectively

Active Title Cleanup Report: REVIEW

BEH>TIU>HIS>TMM>CLN

Inactivate the unused Document Titles at this time? NO// **NO**

DEVICE: HOME//

The sample shown below was one a test database and is not indicative of the results at any actual site.

Review Screen

Elapsed Time: 0 minute(s) 1 second(s)

of Used Titles : 8

of Unused Titles : 76

of Invalid Titles : 0

of Total Titles : 84

of Docs : 29

of Docs Incorrect .01 Field : 0

of Docs Zero/Null .01 Field : 0

of Total Docs Searched : 29

Current User: USER,DEMO

Current Date: Jan 04, 2013@11:52:38

Date range searched: Jan 05, 2012 - Jan 04, 2013

Active Title Cleanup Report: REVIEW

Document Title	# of Docs	Last DT Used	Author/Dictator
ADVANCE DIRECTIVE	0	N/A	N/A
ADVERSE REACTION/ALLERGY	0 N/A	N/A	
AMH BH BIOPSYCHOSOCIAL ASSESSMENT	0 N/A	N/A	
AMH BH GROUP	0 N/A	N/A	
AMH BH INDIVIDUAL	0	Mar 18, 2010	USER,DEMO
AMH BH NOTE WITH BOILERPLATE	0 N/A	N/A	
ANNOTATION	0 N/A	N/A	
CARDIOLOGY	0 N/A	N/A	
CLINICAL WARNING	0 N/A	N/A	
CRISIS NOTE	0 N/A	N/A	
DENTAL CONSULT	0	May 10, 2005	USER,DEMO
DISCHARGE INSTRUCTIONS	0 N/A	N/A	
E-DISCHARGE INSTR REQUESTED	0 N/A	N/A	
EHIM CONSULT RESULTS	0 N/A	N/A	
ILL CHILD VISIT	0	Aug 24, 2007	USER,DEMO
NURS INJECTION	0	Mar 18, 2010	USER,DEMO
NURS TELEPHONE	0	N/A	N/A
NURSING TRIAGE	0	Mar 17, 2010	USER,DEMO
OB FIRST VISIT	0	N/A	N/A
OB POSTPARTUM VISIT	0	Jul 14, 2005	USER,DEMO
OB ROUTINE VISIT	0	N/A	N/A
PAIN CONTRACT	0	Mar 18, 2010	HAGER,MARY G
PATIENT RECORD FLAG CATEGORY I	0	N/A	N/A
PATIENT RECORD FLAG CATEGORY II INFECTIOUS DISEASE	0	N/A	N/A
PATIENT RECORD FLAG CATEGORY II-RESEARCH STUDY	0	N/A	N/A

Active Title Cleanup Report: REVIEW

PATIENT RECORD FLAG			
CATEGORY II -RISK,FALL	0	N/A	N/A
PATIENT RECORD FLAG	0	N/A	N/A
CATEGORY II RISK, WANDERING			
PC ANNUAL VISIT	0	N/A	N/A
PC FOLLOWUP VISIT	0	Aug 30, 2007	USER,DEMO
PEDIATRIC NOTE	0	N/A	N/A
PRENATAL NURSING	0	Jun 08, 2005	USER,NURSE
PRENATAL VISIT	0	Jun 29, 2005	USER,DEMO
PT CONSULT	0	N/A	N/A
TEAM DIETITIAN	0	May 18, 2006	HAGER,MARY G
TEAM INITIAL NOTE	0	May 18, 2006	HAGER,MARY G
TEAM NURSE	0	May 18, 2006	HAGER,MARY G
WELL CHILD VISIT	0	Aug 02, 2007	USER,DEMO
AMH BH MISCELLANEOUS	1	Jan 02, 2013	USER,DEMO
DIETETICS CONSULT	2	Jan 31, 2012	USER,DEMO
DISCHARGE SUMMARY	1	Jan 31, 2012	USER,DEMO
DM ANNUAL	1	Dec 31, 2012	USER,DEMO
DM QUARTERLY	1	Dec 31, 2012	USER,DEMO
LAB RESULTS	1	Dec 31, 2012	USER,DEMO
PC ACUTE CARE VISIT	21	Jan 02, 2013	USER,DEMO
TEST FORM LETTER	1	Jun 15, 2012	USER,DEMO

Active Title Cleanup Report

- Review the list. Select the titles you wish to inactivate.
- Remember ***do not*** inactivate National Note titles or Patient Record Flag note titles.

Active Title Cleanup Report

National Document Classes

ADDENDUM
ADDICTION SEVERITY INDEX
ADVANCE DIRECTIVE
ADVERSE REACTION/ALLERGY
ANESTHESIA REPORTS
C & P EXAMINATION REPORTS
CLINICAL WARNING
CRISIS NOTE
DISCHARGE SUMMARIES
HISTORICAL PROCEDURES
LR ANATOMIC PATHOLOGY
NURSE INTEROPERATIVE REPORTS
PATIENT RECORD FLAG CAT I
PATIENT RECORD FLAG CAT II
PROCEDURE REPORT (NON-O.R.)
OPERATION REPORTS
REQUEST FOR CORRECTION/AMENDMENT OF PHI
SCI OUTCOMES

Active Title Cleanup Report

National Document Titles	National Document Titles
<p>ADDENDUM ADVANCE DIRECTIVE ADVERSE REACTION/ALLERGY ANESTHESIA REPORT ANNOTATION *** APPROVED REQUEST FOR CORRECTION/AMENDMENT OF PHI ASI-ADDICTION SEVERITY INDEX CLINICAL WARNING DENIED REQUEST FOR CORRECTION/AMENDMENT OF PHI DISCLOSURE OF ADVERSE EVENT NOTE CRISIS NOTE DISCHARGE SUMMARY E-COPY DISCHARGE INSTR NOT RECEIVED *** E-COPY DISCHARGE INSTR RECEIVED *** HISTORICAL CARDIAC CATHETERIZATION PROCEDURE HISTORICAL ECHOCARDIOGRAM PROCEDURE HISTORICAL ELECTROCARDIOGRAM PROCEDURE HISTORICAL ELECTROPHYSIOLOGY PROCEDURE HISTORICAL ENDOSCOPIC PROCEDURE HISTORICAL EXERCISE TOLERANCE TEST PROCEDURE HISTORICAL HEMATOLOGY PROCEDURE HISTORICAL HOLTER PROCEDURE HISTORICAL PACEMAKER IMPLANTATION PROCEDURE HISTORICAL PRE/POST SURGERY RISK NOTE HISTORICAL PULMONARY FUNCTION TEST PROCEDURE HISTORICAL RHEUMATOLOGY PROCEDURE</p>	<p>LR AUTOPSY REPORT LR CYTOPATHOLOGY REPORT LR ELECTRON MICROSCOPY REPORT LR SURGICAL PATHOLOGY REPORT NURSE INTERPRETATIVE REPORT OPERATION REPORTS PATIENT RECORD FLAG CATEGORY I PATIENT RECORD FLAG CATEGORY I - HIGH RISK FOR SUICIDE RISK OF CJD SCI CRAIG HANDICAP ASSESSMENT&REPORTING TECHNIQUE-SHORT FORM SCI DIENER SATISFACTION WITH LIFE SCALE SCI GENERAL NOTE SCI FUNCTIONAL INDEPENDENCE MEASURE WRIISC ASSESSMENT NOTE PROCEDURE REPORT</p> <p>*** IHS addition</p>

Active Title Cleanup Report: INACTIVATE

BEH>TIU>HIS>TMM>CLN

Inactivate the unused Document Titles at this time? NO// YES

All active titles that have not been used in the previous 365 days will be set to INACTIVE.

You may select individual DOCUMENT TITLES that will NOT be set to INACTIVE by this cleanup.

Are you sure you want to change their status to INACTIVE? NO// YES

Enter the DOCUMENT TITLE(S) that will NOT be INACTIVATED during the cleanup process.

Enter RETURN or '^' to finish selections.

Enter DOCUMENT TITLE: ADVANCE DIRECTIVE TITLE TITLE

*******Enter your list of titles that you wish to keep active one at a time *******

Active Title Cleanup Report:

INACTIVATE

The list will be presented to you before you being the inactivation process

The following DOCUMENT TITLES will NOT be INACTIVATED:

ADVANCE DIRECTIVE

CLINICAL WARNING

ADVERSE REACTION/ALLERGY

CRISIS NOTE

AMH BH INDIVIDUAL

PRENATAL VISIT

ANNOTATION

PATIENT RECORD FLAG CATEGORY I

PATIENT RECORD FLAG CATEGORY II - RISK, FALL

PATIENT RECORD FLAG CATEGORY II - RISK, WANDERING

PATIENT RECORD FLAG CATEGORY II - RESEARCH STUDY

PATIENT RECORD FLAG CATEGORY II - INFECTIOUS DISEASE

Is this correct? YES//

Active Title Cleanup Report: INACTIVATE

DEVICE: HOME// CONSOLE

Elapsed Time: 0 minute(s) 0 second(s)

of Used Titles : 8
of Unused Titles : 76
of Invalid Titles : 0

of Total Titles : 84

of Docs : 29
of Docs Incorrect .01 Field : 0
of Docs Zero/Null .01 Field : 0

of Total Docs Searched : 29

Current User: USER,DEMO

Current Date: Jan 04, 2013@11:57:07

Date range searched: Jan 05, 2012 - Jan 04, 2013

Active Title Cleanup Report: INACTIVATE

- The user will then see the new list of active titles.

Document Title	# of Docs	Last DT Used	Author/Dictator
ADVANCE DIRECTIVE	0	N/A	N/A
ADVERSE REACTION/ALLERGY	0	N/A	N/A
AMH BH INDIVIDUAL	0	Mar 18, 2010	USER, DEMO
ANNOTATION	0	N/A	N/A
CLINICAL WARNING	0	N/A	N/A
CRISISNOTE	0	N/A	N/A
PATIENT RECORD FLAG CATEGORY I	0	N/A	N/A
PATIENT RECORD FLAG CATEGORY II-INFECTIONOUS DISEASE	0	N/A	N/A
INFECTIONOUS DISEASE [unknown]	0	N/A	N/A
PATIENT RECORD FLAG CATEGORY II- RESEARCH STUDY	0	N/A	N/A
PATIENT RECORD FLAG CATEGORY II-RISK, FALL	0	N/A	N/A
PATIENT RECORD FLAG CATEGORY II-RISK, WANDERING	0	N/A	N/A
PRENATAL VISIT	0	Jun 29, 2005	USER, DEMO
AMH BH MISCELLANEOUS	1	Jan 02, 2013	USER, DEMO
DIETETICS CONSULT	2	Jan 31, 2012	USER, DEMO
DISCHARGE SUMMARY	1	Jan 31, 2012	USER, DEMO
DM ANNUAL	1	Dec 31, 2012	USER, DEMO
DM QUARTERLY	1	Dec 31, 2012	USER, DEMO
LAB RESULTS	1	Dec 31, 2012	USER, DEMO

**STEP 2: PRINT A LIST OF ACTIVE
NOTE TITLES**

Print List of Active Note Titles

- If you did not save the list after inactivating note titles from the Active Title Cleanup Report, re-run the report selecting no at the following prompt

Inactivate the unused Document Titles at this time?

NO// NO

Recommend putting list into an Excel Spreadsheet

STEP 3: REVIEW OF VHA STANDARD TITLES

Print VHA Enterprise Standard Titles

- This is a link to the VHA Enterprise Standard Titles
 - <http://vista.med.va.gov/tiu/docs/TIUTermandTitleStandards-1.xls>

STEP 4: DIRECTLY MAP TO VHA ENTERPRISE STANDARD TITLES

Direct Mapping

- Review and identify which standard titles your local titles may be mapped to
- Use the Excel spreadsheet to note mappings
- Examples of 1:1 mapping

Local note titles	VHA Enterprise Standard Title
ENDOCRINOLOGY CONSULT	Endocrinology Consult
NURSING NOTE	Nursing Note
NUTRITION	Nutrition Dietetics Note
NUTRITION CONSULT	Nutrition Dietetics Outpatient Consult
OBGYN CONSULT	Ob Gyn Consult
OPERATION REPORT	Operative Note
ER NURSE ASSESSMENT	[none found]

Direct Mapping

- You may also need to map your local titles to a less specific title

Local note title	VHA Enterprise Standard Title
ER Nursing Note	Nursing note OR Emergency department note
Opioid Risk Score	Pain Medicine Risk Assessment Screening Note
Narcotic Agreement	Pain Medicine Agreement
Medication Therapy Management	Pharmacy Medication Mgt Note
Inpatient Nurse Restraint	RN E&M Seclusion Restraint Note OR Seclusion Restraint Note (if users other than RN's document using that title)

Direct Mapping

BEH>TIU>HIS>TMM>

CLN Active Title Cleanup Report

DDM Document Definitions (Manager) ...

MAP Title Mapping Utilities ... << *This one*

TAT TIU Alert Tools

TPM TIU Parameters Menu ...

TTM TIU Template Mgmt Functions ...

UCM User Class Management Menu ...

Direct Mapping

Direct mapping is the easiest for IHS to map titles:

Select TIU Maintenance Menu Option: **MAP** Title Mapping Utilities

- 1 Map ACTIVE LOCAL Titles
- 2 Selected Active Title Map
- 3 **Mapping Workbench** << *This one*
- 4 Add/Edit Synonyms ...

Select Title Mapping Utilities Option: 3 Mapping Workbench

Select Mapping Status: unmapped (ACTIVE)//

Direct Mapping

Valid selections are:

FIND:

Allows users to search list of Documents for a text strong (word, phrase, or partial word) from current position to the end of the list. Upon reaching the end of the last page from the list, the user will be asked whether to continue the search from the beginning of the list through the origin of the search.

MAP TITLE(S)

Allows mapping of Local TIU Titles to VHA Enterprise Standard Titles using the full features of the Mapper utility to assist in the choice.

DIRECT MAPPING

Allows users who know which VHA Enterprise Standard Title should associated with a given local title to map the Local Title directly, without the assistance of the Mapper.

CHANGE VIEW

Allows modification of the current list of mapped or unmapped titles to include UNMAPPED, MAPPED, FAILED attempts, or ALL Active Titles for a specified user and time range (where applicable).

QUIT

Allows user to quit the current menu level.

The following actions are also available:

Press RETURN to continue or '^' to exit:

Direct Mapping

The following actions are also available:

Press RETURN to continue or '^' to exit:

+	Next Screen	DN	Down a Line	PL	Print List
-	Previous Screen	<	Shift View to Left	QQ	Quick Quit
FS	First Screen	>	Shift View to Right	ADPL	Auto Display (on/off)
LS	Last Screen	GO	Go to Page	CWAD	CWAD Display
UP	Up a Line	RD	Re Display Screen		

Enter RETURN to continue or '^' to exit:

ADD SYNONYMS (OPTIONAL)

Review Existing Synonyms

- The VA's Standards and Terminology Services TIU page contains the latest synonym list
 - <http://vista.med.va.gov/tiu/html/DataStandardization Documents.html>
- Add local synonyms if needed
 - Example 1: BH is not a nationally distributed synonym for Mental Health Subject Matter Domain (behavioral health is). Site could add BH as a synonym
 - Example 2: A site has UC in their title for urgent care notes. The site could add UC as a local synonym for outpatient.

Adding Local Synonyms

BEH>TIU>HIS>TMM>MAP

- 1 Map ACTIVE LOCAL Titles
- 2 Selected Active Title Map
- 3 Mapping Workbench
- 4 **Add/Edit Synonyms << *This one***

Select Title Mapping Utilities Option: **4 Add/Edit Synonyms**

- 1 Subject Matter Domain Synonyms
- 2 Role Synonyms
- 3 Setting Synonyms
- 4 Service Synonyms
- 5 Document Type Synonyms

Adding Local Synonyms

Example of SMD synonym entry

SYNONYM: EEG//

SUBJECT MATTER DOMAIN: Neurology

1 NEUROLOGY

2 NEUROLOGY NEURODEVELOPMENTAL DISABILITIES

3 NEUROLOGY WITH SPECIAL QUALIFICATIONS IN CHILD NEUROLOGY

4 NEUROLOGY VASCULAR NEUROLOGY

CHOOSE 1-4: 1 NEUROLOGY

“AUTOMATED” MAPPING TOOLS

“Automated” Mapping

- After manual mapping and adding any synonyms, you may use the automated mapping tool to map the remaining note titles

“Automated” Mapping

BEH>TIU>HIS>TMM>MAP

Select Add/Edit Synonyms Option:

- 1 Map ACTIVE LOCAL Titles <<***This one if you have only a few***
- 2 Selected Active Title Map << ***This one if you have many***
- 3 Mapping Workbench
- 4 Add/Edit Synonyms ...

Example

Select TITLE: ER QUICK TRIAGE TITLE TITLE

For the LOCAL Title: ER QUICK TRIAGE

Attempting to map ER QUICK TRIAGE
to a VHA Enterprise Standard Title...

Is "ER" a Subject Matter Domain? No.

Is "ER" a SYNONYM for a Subject Matter Domain?

I found a match of: ER

Subject Matter Domain:

... OK? Yes// y YES

Example

Is "TRIAGE" a SYNONYM for a Subject Matter Domain? No.

Is "QUICK" a LOINC Role? No.

Is "QUICK" a SYNONYM for a LOINC Role? No.

Is "TRIAGE" a LOINC Role? No.

Remember, your LOCAL title is: ER QUICK TRIAGE

Is "TRIAGE" a SYNONYM for a LOINC Role? No.

Is "QUICK" a Setting? No.

Is "QUICK" a SYNONYM for a Setting? No.

Is "TRIAGE" a Setting? No.

Is "TRIAGE" a SYNONYM for a Setting? No.

Is "QUICK" a Service? No.

Is "QUICK" a SYNONYM for a Service? No.

Example

Is "TRIAGE" a Service?

I found a match of: TRIAGE

... OK? Yes// YES

Is "QUICK" a Document Type? No.

Is "QUICK" a SYNONYM for a Document Type? No.

No Document Type found...Setting Document Type to 'NOTE.'

Now, we'll query the VHA Enterprise Standard Titles for an entry with:

Remember, your LOCAL title is: ER QUICK TRIAGE

LOCAL Title: ER QUICK TRIAGE

Service: TRIAGE

Document Type: NOTE

Example

First, we'll try an EXCLUSIVE match (i.e., ALL conditions met):

- 1 TRIAGE NOTE
- 2 TRIAGE MENTAL HEALTH RN TRIAGE NOTE
- 3 TRIAGE MENTAL HEALTH TRIAGE NOTE
- 4 TRIAGE PRIMARY CARE RN TRIAGE NOTE
- 5 TRIAGE PRIMARY CARE TRIAGE NOTE

Press <RETURN> to see more, '^' to exit this list, OR

CHOOSE 1-5:

- 6 TRIAGE PSYCHIATRY TRIAGE NOTE
- 7 TRIAGE EMERGENCY DEPT TRIAGE NOTE
- 8 TRIAGE **RN EMERGENCY DEPARTMENT TRIAGE NOTE** <<< *if only RN's perform triage in your facility, this is likely the best match*
- 9 TRIAGE RN OUTPATIENT TRIAGE NOTE
- 10 TRIAGE RN TELEPHONE ENCOUNTER TRIAGE NOTE

Press <RETURN> to see more, '^' to exit this list, OR

CHOOSE 1-10:

- 11 TRIAGE RN TRIAGE NOTE
- 12 TRIAGE RN URGENT CARE TRIAGE NOTE
- 13 TRIAGE URGENT CARE TRIAGE NOTE

CHOOSE 1-13:

Remapping

A site may remap any note title at anytime

FORM LETTERS

Form Letters

- New document class “Form Letters”
- Allows custom heading, closing and footer that replaces standard TIU Header and Footer
- May be used for mailings
- New parameter may be set to individual “Title” or “Document Class” level
- More likely it will apply to Document Class

Set up parameters

BEH>TIU>HIS>TMM>TPM>TPM3 (new fields in **Bold**)

Select DOCUMENT DEFINITION: FORM LETTERS DOCUMENT CLASS

Are you adding 'FORM LETTER' as

a new TIU DOCUMENT PARAMETERS (the 20TH)? No// y (Yes)

REQUIRE RELEASE:

REQUIRE MAS VERIFICATION:

REQUIRE AUTHOR TO SIGN:

ROUTINE PRINT EVENT(S):

STAT PRINT EVENT(S):

MANUAL PRINT AFTER ENTRY:

ALLOW CHART PRINT OUTSIDE MAS:

ALLOW >1 RECORDS PER VISIT:

ENABLE IRT INTERFACE:

SUPPRESS DX/CPT ON ENTRY:

FORCE RESPONSE TO EXPOSURES:

ASK DX/CPT ON ALL OPT VISITS:

SEND ALERTS ON ADDENDA:

ORDER ID ENTRIES BY TITLE:

SEND ALERTS ON NEW ID ENTRY:

SEND COSIGNATURE ALERT:

Set Up Parameters (cont.)

HEADING:

No existing text
Edit? NO// Y
Demo Hospital
1 Main Street
Anywhere TX
Phone 123-456-7890

JUSTIFY HEADING: ??

Choose from:

- LJ LEFT JUSTIFIED
- CJ CENTER JUSTIFIED
- RJ RIGHT JUSTIFIED

JUSTIFY HEADING: CJ

INSERT BLANK LINES: ?

Enter the number of blank lines to be inserted AFTER the header (if present). If no header, the blank lines will be added before the note text. 1-10 lines may be added.

INSERT BLANK LINES: 5

Heading: Prints at top of first page

Justify Heading: Select where to print the heading. LEFT JUSTIFY is the default

Insert blank lines: If no heading desired, blank lines may be added to help text placement with envelope windows

Set Up Parameters (more)

FOOTER:

No existing text

Edit? NO// Y

| PATIENT NAME | | PATIENT PHONE |

Footer: Will be printed at the bottom of every page

JUSTIFY FOOTER: LJ

CLOSING:

No existing text

Edit? NO// Y

Printed on | TODAY'S DATE |

Justify Heading: Select where to print the heading. LEFT
JUSTIFY is the default

Closing: Prints at the END of the note text.

JUSTIFY CLOSING: LJ LEFT JUSTIFY

PAGE NUMBERS: Y YES

JUSTIFY PAGE NUMBERS: CJ

Justify Heading: Select where to print the heading. LEFT
JUSTIFY is the default

Page Numbers: Select to print page numbers "Page 1"

Justify Heading: Select where to print the heading. LEFT
JUSTIFY is the default

Create Note Titles

BEH>TIU>HIS>TMM>DDM>DDM3

Select Next Level (progress notes).

Create Document Definitions

Jun 20, 2013 17:30:22

Page: 1 of 1

BASICS		
+	Name	Type
1	CLINICAL DOCUMENTS	CL
2	PROGRESS NOTES	CL
3	ADDENDUM	DC
4	DISCHARGE SUMMARY	CL
5	CLINICAL PROCEDURES	CL
6	ZLR LABORATORY REPORTS	CL
7	SURGICAL REPORTS	CL

New Users. Please Enter '?NEW' for HELP

>>>>

(Class/DocumentClass)

Next Level

Detailed Display/Edit

Title

Restart

Status...

(Component)

Boilerplate Text

Delete

Select Action: Next Level

Create Note Titles

Then scroll to Form Letters.

Create Document Definitions

Jun 20, 2013 17:40:22

Page: 2 of 4

BASICS		
#	Name	Type
15	CHN Notes	DC
16	CODING	CL
17	CONSULTS	DC
18	DENTAL NOTES	DC
19	DIABETES NOTES	DC
20	DISCHARGE INSTRUCTIONS	DC
21	EKG VISIT	DC
22	ELDER CARE	DC
23	ELDER CARE NURSING NOTE	DC
24	EMPLOYEE HEALTH	DC
25	ER NOTES	DC
26	EYE CLINIC	DC
27	FORM LETTERS	DC
28	GERIATRIC ASSESSMENT	DC

?Help	>ScrollRight	PS/PL PrintScrn/List	+/-	>>>>>>>>
(Class/DocumentClass) Title (Component)	Next Level Restart Boilerplate Text	>>>> Delete	Detailed Display/Edit Status...	
Select Action: Next Screen//				

Activate Document Class

1. Select Detailed Display and choose the Form Letters Document Class

Create Document Definitions

Jul 01, 2013 09:44:14

Page: 1 of 1

BASICS		
#	Name	Type
2	PROGRESS NOTES	CL
3	FORM LETTERS	DC
4	FORM LETTER EXAMPLE	TL
5	FORM LETTER EXAMPLE2	TL

?HELP	>ScrollRight	PS/PL PrintScrn/List	+/-	>>>
(Class/DocumentClass)		Next Level		Detailed Display/Edit
Title		Restart		Status...
(Component)		Boilerplate Text		Delete
Select Action: Title//	det	Detailed Display/Edit		
Select Entry: (2-7)	3			

Activate Document Class

Select Action: Next Screen// **BA Basics**

NAME: FORM LETTERS//

ABBREVIATION:

PRINT NAME: FORM LETTERS//

TYPE: (CL/DC): DC// DOCUMENT CLASS

CLASS OWNER: CLINICAL COORDINATOR// CLINICAL COORDINATOR <<< *remember, you must be in the Clinical Coordinator TIU User Class to edit this. If you are not, you will not be able to change the status of the document class*

SUPPRESS VISIT SELECTION: NO//

STATUS: (A/I): INACTIVE// **A ACTIVE Entry Activated.**

Create Note Titles

Now select your new title. Remember you will have to map any new title to the National Title list.

Create Document Definitions

Jul 01, 2013 09:29:15

Page: 1 of 1

BASICS		
	Name	Type
2	PROGRESS NOTES	CL
3	FORM LETTERS	DC
4	FORM LETTER EXAMPLE	TL
5	FORM LETTER EXAMPLE2	TL

?HELP	>ScrollRight	PS/PL PrintScrn/List	+/-	>>>
(Class/DocumentClass)		Next Level	Detailed Display/Edit	
Title		Restart	Status...	
(Component)		Boilerplate Text	Delete	

Select Action: Title// **Title**

Enter the Name of the a New FROM LETTER: **FORM LETTER EXAMPLE3**

Create Note Titles

Select Action: Title// Title

Enter the Name of a new FORM LETTERS: **FORM LETTER EXAMPLE3**

CLASS OWNER: CLINICAL COORDINATOR// CLINICAL COORDINATOR

EVERY Local Title must be mapped to a VHA Enterprise Standard Title. <<<< *this is new*

Direct Mapping to Enterprise Standard Title...

Your LOCAL Title is: FORM LETTER EXAMPLE3

NOTE: Only ACTIVE Titles may be selected...

Select VHA ENTERPRISE STANDARD TITLE:

Create Note Titles

Select VHA ENTERPRISE STANDARD TITLE: Letter

- 1 LETTER PATHOLOGY E & M OF ANTICOAGULATION LETTERS
- 2 LETTER GASTROENTEROLOGY LETTERS
- 3 LETTER PATHOLOGY LETTERS
- 4 LETTER PHARMACY LETTERS
- 5 LETTER PRIMARY CARE LETTERS

Press <RETURN> to see more, '^' to exit this list, OR

CHOOSE 1-5:

- 6 LETTER WOMENS HEALTH OUTPATIENT LETTERS
- 7 LETTER CORRESPONDENCE** <<< *choose depending on granularity of note title, this is appropriate for current note title*
- 8 LETTER LETTERS
- 9 LETTER PHYSICIAN LETTERS
- 10 LETTER TEAM LETTERS

CHOOSE 1-10:

- 1 LETTERS
- 2 LETTERS PATHOLOGY E & M OF ANTICOAGULATION LETTERS
- 3 LETTERS GASTROENTEROLOGY LETTERS
- 4 LETTERS PATHOLOGY LETTERS

Create Note Titles

I found a match of: CORRESPONDENCE

... OK? Yes//

CHOOSE 1-10: 7 CORRESPONDENCE

I found a match of: CORRESPONDENCE

... OK? Yes// **YES**

Ready to map LOCAL Title: FORM LETTER EXAMPLE3 to
VHA Enterprise Standard Title: CORRESPONDENCE.

... OK? Yes// **YES**

Done.

STATUS: (A/I/T): INACTIVE// **A ACTIVE Entry Activated.** <<< *if your only choice is "I" inactive, make sure 1) the document class "Form Letters" is active and 2) you are assigned the Clinical Coordinator TIU User Class*

SEQUENCE:

MENU TEXT: Form Letter Example3 Replace

Entry Created

Print/View Form Letters

- When printing a document title from the new document class, CHART or WORK copy is ignored and will print as a FORM LETTER - omitting the standard header and footer.
- The use of TIU OBJECTS/PATIENT DATA objects is supported in the new fields and should be used with care to avoid including any sensitive patient data if the document is to be printed and/or mailed to that patient. Objects that return either a single line or multiple lines of data are supported.
- When viewing titles in the FORM LETTERS class in the EHR GUI, the heading, closing and footer will be displayed giving an indication of what the document will look like when printed. Page numbers are not displayed, but will display during printing if selected.

Print/View Form Letter

Last 100 Signed Notes Visit: 07/01/13 FORM LETTER EXAMPLE4, BUBB WCC, SUSAN P RICHARDS (Jul 01,13@10:53)

☐ All signed notes

- ☐ Jul 01,13 FORM LE
- ☐ Jul 01,13 FORM LE
- ☐ Jul 01,13 FORM LE
- ☐ Jul 01,13 FORM LE

LOCAL TITLE: FORM LETTER EXAMPLE4
STANDARD TITLE: CORRESPONDENCE
DATE OF NOTE: JUL 01, 2013@10:53 ENTRY DATE: JUL 01, 2013@10:53:22
AUTHOR: RICHARDS,SUSAN P EXP COSIGNER:
URGENCY: STATUS: COMPLETED

Demo Hospital
1 Main Street
Anywhere TX 12345
Phone: 123-456-7890

This is a test of form letter 4.

Printed on JUL 01, 2013

DEMO,PATIENT BABY No Phone in record

FIXES AND ENHANCEMENTS

Enhancements/Fixes

- Provides a generic HL7 interface to TIU. This is not currently in use.
- TIU AUTHORIZATION RPC now will check to see if document has an Interdisciplinary Child attached before deleting. If it does, then the document will not be deleted and the system will display a message letting user know why

Enhancements/Fixes

This patch addresses three problems:

- Fixes the "TRY" protocol when editing TIU document boilerplate text. If a document returns a multiple value it can in certain cases create a <SYNTAX> error. This was fixed in the main boilerplate RPC with TIU*1.0*201. That same fix is being applied to the "TRY" protocol.
- In the Multiple Patient Documents [TIU REVIEW SCREEN MRT] option the user can not "^" back to the STATUS prompt from the CLINICAL DOCUMENTS prompt if they have already entered a value at the CLINICAL DOCUMENTS prompt and returned to that prompt by entering an "^" at the Start Entry Date prompt. This only affects sites that use roll and scroll boilerplate.
- When a user who requires cosigner attempts to add an additional signer to a note entered by another author, they will now receive a message box that states "You may not IDENTIFY SIGNERS FOR this COMPLETED <title of note>"

Enhancements/Fixes

- New functionality is also provided to allow mail bulletins to be sent to Clinical Application Coordinators identifying Enterprise Standard Titles which have been mapped to Local Titles, and are being inactivated by a deployment from ETS
- Converts some TIU routines to API. This affects TIU Medication objects. This does not affect the end user.
- This patch addresses problems with the sending of addendum alerts when an additional signer is past due for signing and the sending of alerts on retracted documents.

Enhancements/Fixes

- No text from any signed documents may be edited
- Prohibits all users except Privacy Act Officers or HIM/HIM Chiefs from amending all documents
- Adds Clinical Procedures to types of documents whose Expected Cosigners can be changed using RPMS Edit Cosigner option.
- Corrects an error that occurs when one user is trying to view a note deleted by another user
- Progress notes now print “awaiting signature” and the name of the additional signer.

Enhancements/Fixes – Administrative Closure of Scanned Docs

- This patch contains changes to the Administrative Closure terminology of scanned documents in the Text Integration Utilities (TIU) package. This is in response to the New Service Request #20050905, which requests that the TIU dialog to VistA Imaging be modified to change the term "Administrative Closure" to "Electronically Filed" to minimize user confusion with the HIMS terminology. Documents which are closed by scanning (ie: Advance Directives, Consent forms, etc.) will display the "Electronically Filed" term and documents which are closed manually or administratively will display the "Administrative Closure" term. This terminology change will ONLY apply to new notes and NOT to existing ones.
- This patch also incorporates the post signature action for administratively closed consult notes so that consult requests can be completed/updated. The post signature action will apply to administratively closed surgical reports as well.

TIU OBJECTS

New/Updated Objects: IPL Not Associated by Current Visit

Object	Description
Active Problems W/O Date <i>This will be most commonly used “Chronic problem” object in. Update to existing object.</i>	List problems marked as Chronic
Active Problems <i>Update to existing object</i>	List all problems except inactive with dates
Active Problems By Status	Lists problems by status. Includes goals and care plans for each problem.
Active Care Plans By Date	Lists active care plans by date.
Active Care Plans By Problem	Lists active care plans by problem.
Active Goals By Date	Lists active goals by date.
Active Goals By Problem	Lists active goals by problem.

Active Problem Objects

Active problems without dates

Displays chronic problems

Chronic Problems:

- 1) Acute Infarction of papillary muscle |
- 2) Gigantism |
- 3) Hypothyroidism |

Active problems

Displays all active problems by status

Chronic Problems:

- 1) Acute infarction of papillary muscle |
(Last update of MAR 12, 2014@14:28:23)
- 2) Gigantism |
(Last update of JUL 24, 2014@10:34:51)
- 3) Hypothyroidism |
(Last update on JUL 24, 2014@10:34:42)

Episodic Problem:

- 4) Diabetes mellitus type 2 |
(Last update on JUL 24, 2014@10:35:40)

-QUALIFIERS:

Severity Moderate

Clinical course Acute-on-chronic

- 5) Impaired glucose tolerance in obese |
(Last update on JUL 24, 2014@12:39:24)

Sub-Acute Problems:

- 6) Open fracture of base of neck of femur | left, fall off cliff
(Last update on JUL 24, 2014@20:36:49)

New/Updated Objects: IPL

Organized by Visit

Object	Description
V Prob w/o dates <i>This will be the most commonly used "POV" object in encounter notes</i>	Returns problems that were used as a POVs for selected visit and displays POV provider narrative (which may be different from problem). Includes visit instructions, education and treatments for each problem used as POV for current visit
V Prob w/care plans	Returns problems that were used as a POVs for selected visit and displays POV provider narrative (which may be different from problem). Includes active care plans, and visit instructions, education, treatments and referrals for current visit
V POV Multiline <i>Update to existing object</i>	Returns POV's. Display updated to SNOMED Provider text format
V POV <i>Update to existing object</i>	Returns POV's. Display updated to SNOMED Provider text format

New/Updated Objects: IPL

Organized by Visit

Object	Description
V Treatment/Regimen	Returns Treatment/Regimens selected for the most recent visit
V Visit Instructions	Returns Visit Instructions selected for current visit. Does not include date stamps.
V Referrals	Returns any V Referrals for current visit. V Referrals are created when an RCIS Referral is entered.

New/Updated Objects: IPL

Organized by Visit

Object	Description
V Treatment/Regimen	Returns Treatment/Regimens selected for the most recent visit
V Visit Instructions	Returns Visit Instructions selected for current visit. Does not include date stamps.
V Referrals	Returns any V Referrals for current visit. V Referrals are created when an RCIS Referral is entered.
Inpt Problem List	Returns problems used on inpatient
Inpt Problems w/care plans	Returns problems used on inpatient with active goals, care plan notes and visit instructions for current encounter
Inpt problems w/instructions	Returns problems used on inpatient with instructions for current encounter

Visit Related Objects: V Prob w/o Dates

V Prob w/o dates

1) Open fracture of base of neck of femur | left, fall off cliff

-QUALIFIERS

Severity Mild

Clinical course Cyclic

-INSTRUCTIONS:

ORIF scheduled with Dr Bones tomorrow . (by)

2) Diabetes mellitus type 2 |

-QUALIFIERS

Severity Moderate

Clinical course Acute-on-chronic

-INSTRUCTIONS:

Initial visit with Diabetes Case Management team today to receive glucose monitor. Check sugars in the morning and after meals for the next 2 weeks. Start metformin, take with meals to reduce the gastrointestinal side effects. Follow up with Diabetes Case Management team and return to see me in 2 weeks.

(by)

-EDUCATION:

Diabetes mellitus type 2 – DISEASE PROCESS

3) Hypothyroidism |

-INSTRUCTIONS:

TSH elevated and Free T4 suppressed, increased Levothyroxine to .112mg/day. Return for labs in 4-6 weeks. (by)

Visit Related Objects: V Prob w/Care Plans

V Prob w/care plans

1) Open fracture of base of neck of femur | left, fall off cliff

QUALIFIERS:

Severity Mild

Clinical course Cyclic

-CARE PLANS:

Open reduction internal fixation with Dr Bones on 7/25. Plan home PT and Deep Vein Thrombosis prophylaxis. This will be arranged during the inpatient stay. (by)

-INSTRUCTIONS:

ORIF scheduled with Dr Bones tomorrow. (by)

2) Diabetes mellitus type 2 |

-QUALIFIERS:

Severity Moderate

Clinical course Acute-on-chronic

-GOALS:

A1C <7 (by)

-CARE PLANS:

A1C every 3 month until reach goal then every 6 months. Yearly: fasting lipids, kidney function, retinal eye exam, foot exam. Initial management with oral medications. Co-management with Diabetes Case Management team who provides ongoing education about diet, exercise, medications. (by)

-INSTRUCTIONS

Initial visit with Diabetes Case Management team today to receive glucose monitor. Check sugars in the morning and after meals for the next 2 weeks. Start metformin, take with meals to reduce the Management team and return to see me in 2 weeks.

(by)

-EDUCATION:

Diabetes mellitus type 2 – DISEASE PROCESS

3) Hypothyroidism |

-INSTRUCTIONS:

TSH elevated and Free T4 suppressed, increase Levothyroxine to .112mg/day. Return for labs in 4-6 weeks. (by)

Visit Related Objects: Referrals and Treatments

Referrals

V Referrals

8/25/2014@11:44:43 Referral to cardiologist (308471005)

Provider: RICHARDS, SUSAN P

Treatments

V treatment/regimen

Problem: Benign hypertension |

Treatment adjusted per protocol

Problem: Diabetes mellitus |

Treatment adjusted per protocol

Problem: Diabetes mellitus |

Case management follow up

New/Updated Objects: IPL Not Associated by Current Visit

Object	Description
Latest Integrated PL	Returns the latest data on active problems, including the latest care plan and goals. Also includes the last date data on Visit instructions and Treatments.
Latest Visit Problems	Returns goals, care plans and visit instructions for problems entered as POVS in the last visit. Usually this will be the visit selected but not always.
Visit Instructions by date	Returns all visit instructions by date. Not useful for most TIU notes.
Visit Instructions by problem	Returns all visit instructions by problem. Not useful for most TIU notes.
Visit Treatments by date	Returns all visit treatments by date. Not useful for most TIU notes.
Visit Treatments by problem	Returns all visit treatments by problem. Not useful for most TIU notes.

New/Updated Objects: IPL Not Associated by Current Visit

Object	Description
Visit Referrals by date	Returns all visit referrals by date. Not useful for most TIU notes.
Visit Referrals by problem	Returns all visit referrals by problem. Not useful for most TIU notes.
Visit Treatments by date	Returns all visit treatments by date. Not useful for most TIU notes.
Visit Treatments by problem	Returns all visit treatments by problem. Not useful for most TIU notes.

Updated Objects: FHx

Object	Description
Family Hx	Returns a multiple line display of all family history items recorded for a patient. Includes the relationship if known, provider narrative, ICD diagnosis code and optionally, the date noted. If you do not want the date, please copy and edit the object method switching the 1 for a 0 (zero). S X=\$FAMHX^BTIULO8(+G(DFN),1)

Brother [John] LIVING

DX: FH: Migraine | classic[249890015] – MAR 25, 2014

NATURAL FATHER [Jack] LIVING

DX: FH: Diabetes mellitus in first degree relative | Type 2 [2549389017] – MAR 25, 2014

DX: FH: leukemia | [2469392016] – Mar 25, 2014

Updated Objects: Infant Feeding

Object	Description
Infant Feeding	

Updated Objects: Repro Hx

Reproductive History All

Active Reproductive History All

New Objects: Meds

Suspend Med

Links to VA TIU Documentation

- VA Standards and Terminology Services TIU pages
 - http://vista.med.va.gov/tiu/html/DataStandardization_Documents.html
- Clinical Document Standard Title Terms and Titles
 - <http://vista.med.va.gov/tiu/docs/TIUTermandTitleStandards.xls>
- Synonym list
 - http://vista.med.va.gov/tiu/docs/TIU_Standard_Term_Synonyms.xls
- Tiu Clinical Document Standard Title FAQs
 - http://vista.med.va.gov/tiu/docs/TIU_DIT_FAQ.pdf
- CPRS National Call Feb 2006
 - http://vista.med.va.gov/tiu/docs/TIU_PRESENTATION_FEB_2006.ppt

Resources

Clinical Applications Documentation repository

http://www.ihs.gov/RPMS/index.cfm?module=Applications&option=View&AC_ID=0