Text Integration Utilities (TIU)

Clinical Coordinator & User Manual

Version 1.0

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Patch 182 (Medicine Conversion)		June 2005	C Arceneaux, G Smith
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Chapter 1: Introduction to TIU

Purpose of Text Integration Utilities

The purpose of Text Integration Utilities (TIU) is to simplify the access and use of clinical documents for both clinical and administrative VAMC personnel, by standardizing the way clinical documents are managed. In connection with Authorization/ Subscription Utility (ASU), a hospital can set up policies and practices for determining who is responsible or has the privilege for performing various actions on required VHA documents.

The initial release of Version 1.0 includes Discharge Summary and Progress Notes. Consult Reports was added with the release of Computerized Patient Record System (CPRS). TIU replaces and upgrades the previous versions of these **V*IST*A** packages. It has also been designed to meet the needs of other clinical applications that address document handling.

TIU allows you to continue to access Progress Notes and Discharge Summaries from OE/RR menus. The CPRS Graphical User Interface (GUI) allows point-and-click access to all Progress Notes, Discharge Summaries, and Consults TIU documents.

Benefits

a. Standardized and common user interface
Clinicians can go through the same program to enter, review, and sign discharge summaries, progress notes, and other clinical documents that may be set up locally for processing through TIU.

b. Integration
Clinicians and management can search for and retrieve clinical documents more efficiently because documents reside in a single location within the database. This is also a benefit for other uses such as Incomplete Record Tracking, quality management, results reporting, order checking, research, etc.

c. Data Capture Flexibility
TIU accepts document input from a variety of data capture methodologies. Those initially supported are transcription and direct entry. TIU allows upload of ASCII formatted documents into **V*IST*A**.

Benefits, cont'd

d. Links to Other Packages.
TIU interfaces, as appropriate, with such applications as Health Summary, Problem List, Patient Care Encounter/Visit Tracking, and Incomplete Record Tracking. Computerized Patient Record System (CPRS) further integrates **V***IST***A** packages and allows point and click switching between packages.

A new Health Summary component is available (through Patch GMTS*2.7*12), *Selected Progress Notes*, which allows selection of specific Progress Notes Titles for display on Health Summaries. The PN, DS, and CWAD components now extract data from TIU, rather than Progress Notes (GMRP), or Discharge Summary (GMRD). Care has been taken to assure that the formatting and content of the components have remained the same, except that the signature block information will now reflect the author's (and cosigner's) name and title at the time of signature, rather than displaying their current values at the time of output.

e. Improved management of Documents.

- TIU has a file structure called the Document Definition Hierarchy for defining elements and parameters of a document. It allows:
    - Inheritance of document characteristics, such as signing, cosigning, visit linkage, etc.
    - Site definition of document characteristics
    - Shared components
    - Ownership (personal or class) of document definitions
    - Boilerplate text functionality
    - Interdisciplinary Note functionality.
    - Embedded "Object" functionality which can extract data from other**V***IST***A** packages and insert it into boilerplate text

Recent Patches

Patch TIU*1.0*324 – Addresses functionality issues found with patch TIU*1.0*296

- TIU*1.0*296 added TIU TEXT EVENTS.
- For the setup of the TIU TEXT EVENTS file (#8925.71) the fields CASE SENSITIVE (.03) & INCLUDE SPACES (.04) will no longer be prompted. The search for defined events will not be case sensitive and spaces will be stripped from the search text as well as the TIU Note when determining if an alert will be sent.
- When the first IEN in file 8925.71 has INCLUDE SPACES = NO and the corresponding search text is not found in the note text, then no other TIU Events' search text will work. The 'Include Spaces' functionality is also flawed in that when it was set to NO, spaces were only stripped from the TIU Note text and not from the search text. This patch removes the prompt for INCLUDE SPACES from the option

TIU TEXT EVENT EDIT and spaces will now be removed from both search text as well as TIU note text during the text search comparison.

- The Case Sensitivity functionality was not fully programmed and will be removed since case sensitivity would increase the odds of an alert not being sent due only to a case mismatch. This patch removes the prompt for CASE SENSITIVE from the option TIU TEXT EVENT EDIT and the search will not be case sensitive.

- When an addendum was signed it did not search for any text in that addendum because the parent IEN was passed to the routine instead of the addendum's IEN. After the installation of this patch, post signature code will now need to be set to 'D TASK^TIUTIUS($S($G(DAORIG):DAORIG,1:DA))' in order to correctly search either a parent note or addendum when each is signed.

Patch TIU*1*305 – Contingency Downtime Bookmark Progress Notes / Post-Signature Alerts

TIU*1.0*305 provides the following enhancements to VistA:

- Enables sites to add a progress note to the electronic record of all inpatients and outpatients who were seen during computer system downtime using the new option Contingency Downtime Bookmark Progress Notes [TIU DOWNTIME BOOKMARK PN] in the TIU Maintenance Menu [TIU IRM MAINTENANCE MENU]. The note must use a locally-approved title that has been mapped to the Veterans Health Administration (VHA) enterprise-standard COMPUTER DOWNTIME title. When creating the note, users can enter: the note title; whether the computer downtime was scheduled or unscheduled; outage start/end times; the author of the note; a date/time stamp to sequence the note in the note tree; clinics to which the outage applies; users to receive an email notification listing the patients affected and whether the note was successfully appended to each patient's record; an option to edit the TIU note text; and an electronic signature to perform an administrative closure of the note to enter it into the medical record. The progress note states that a computer outage occurred, and alerts the user to search the patient's paper records for non-electronic documentation created during the outage. The set-up and note content should be coordinated with the Chief, Health Information Management at each site. Only one progress note is filed for any patient with multiple appointments (whether inpatient, outpatient, or both) at different clinics during the outage period.

  The patch deletes a site's existing text in the BOILERPLATE TEXT field (#3) in the TIU DOCUMENT DEFINITION file (#8925.1) and replaces it with new standard TIU note text. This new text can be modified by users when creating downtime bookmark progress notes. The installation history for the patch will capture the data from the BOILERPLATE TEXT field so that local OIT personnel can retrieve the previous boilerplate text, if needed. The installation history can be reviewed using the Install File Print [XPD PRINT INSTALL FILE] option under the KIDS UTILITIES sub-menu.

- Enables clinicians and providers to create progress notes that automatically generate a post-signature alert to designated recipients based on the progress note title. The new option Create Post-Signature Alerts [TIUFPC CREATE POST-SIGNATURE] in the Document Definitions (Manager) [TIUF DOCUMENT DEFINITION MGR] menu allows Clinical Application Coordinators (CACs) or other supervisors to define who is alerted when a specific progress note title is used. The note title to define is selected at the "Select TIU DOCUMENT DEFINITION NAME:" prompt. The option then enables entry of the recipients to be notified (individual, mail group, or team list), whether to alert the Primary Care Provider, whether to print a chart copy at the patient's location, and to optionally select an output device for printing at another location. The notification is made through VistA Kernel Alerts and is sent to recipients immediately upon a clinician's entry of an electronic signature for the note.

Patch OR*3.0*420 – CPRS Lab Monitoring

Patch OR*3.0*420 modifies the Pharmacy package in VistA to display the most recent associated lab results when a clinician is ordering medication using the CPRS Inpatient or Outpatient Medication Order dialogs. The lab results for the most recent lab test associated with an Orderable Item are displayed in the Information field in the Medication Order dialog after an Orderable Item is selected. When a dispense drug is chosen (by selecting a dosage in the order dialog), the lab test information is replaced by the National Standard Drug Information found in the MESSAGE (#101) field of the DRUG (#50) file.

A CAC or ADPAC must set the OR CPRS LAB DISPLAY ENABLED parameter to ON to activate this functionality at a site.

To optionally apply this functionality to Quick Orders, create a TIU OBJECT from routine ORWDPLM2 using the TIU Document Definitions option and then insert it into the comments field of the Quick Order. Upon selection of the Quick Order in CPRS, the monitored LAB results will appear on the Ordering screen.

The object method to insert into the TIU OBJECT is:

```
S X=$$SL^ORWDPLM2(DFN,
$S($G(X0)]"":$P(X0,U),$G(NODE0)]"":$P(NODE0,U),1:""),"^TMP($J,""ORWDPLM2
"")")
```

The display is wrapped for ease of reading, but the object method must be entered as one single line.

☞ **Note:** The TIU OBJECT method will work for generalized Quick Orders only (orders assigned to Order Menus). It is not currently implemented for personal Quick Orders.

Patch TIU*1*297 – TIU Unauthorized Abbreviation and Dictation Control

TIU*1*297 modifies the Text Integration Utilities (TIU) application. It introduces two new applications, TIU Unauthorized Abbreviation and TIU Dictation Control. It also contains a security privilege fix for TIU*1*296.

The TIU Unauthorized Abbreviation application searches and prevents misinterpretation of a patient's "CPRS – Progress Note" due to misuse of unauthorized abbreviation(s). See chapter 18, “Unauthorized Abbreviations.”

The TIU Dictation Control application introduces functionality to allow a facility to control TIU dictation privileges in CPRS. See section entitled “TIU Dictation Control” in chapter 3, “TIU for Clinicians.”

Patch TIU*1*291 – CWAD/Postings Auto-Demotion Setup

Patch TIU*1*291 introduces the new Crisis, Warnings, Allergies and/or Adverse Reactions, and Advance Directives (CWAD) notes auto-demotion functionality. CWAD is a section of CPRS used for posting progress notes, which are more important than standard level notes. These progress notes are made more easily available throughout CPRS. The postings dialog box can become full of CWAD notes, resulting in important notes from being easily distinguishable from less important notes. The requested enhancement is to demote previously designated notes from the CWAD postings to a regular note status based on various criteria, such as the passage of time or a newer note of a particular title being written which supersedes the existing CWAD note. This is accomplished by converting an existing Class III application to Class I.

Patch TIU*1*296 – TIU Text Alerts

Patch TIU*1*296 modifies the TIU application to send a TIU alert to the appropriate service provider(s) immediately after a staff member screens a patient and signs the associated note. The service provider(s) will be alerted prior to the note being co-signed by the licensed clinician responsible for reviewing and approving the note. Prior to this modification, TIU alerts were not sent to all service providers. This resulted in missed opportunities to provide needed services for patients while the patients are on site, and forced staff to take time to contact patients and reschedule needed services.

This patch utilizes one new file (TIU TEXT EVENTS (#8925.71)) used to define the words or phrase that will be searched for in a TIU document (progress note, consult, etc.). If the words or phrase are found in the TIU document, then an alert is sent to the team(s) specified in the TIU TEXT EVENTS file.

A Text Event Edit [TIU TEXT EVENT EDIT] menu option was added to the TIU Maintenance Menu [TIU IRM MAINTENANCE MENU]. This option is used to set up a text event in the TIU TEXT EVENTS file.

☞ **Note:** Any TIU document that is to be used to trigger these alerts must have the MUMPS code ‘D TASK^TIUTIUS($S($G(DAORIG):DAORIG,1:DA))’ entered in the POST-SIGNATURE CODE field (#4.9) in the TIU DOCUMENT DEFINITION file (#8925.1). This field can only be edited by IRM personnel.

TIU*1*263 – Changes for ICD-10

This patch is part of the Computerized Patient Records System CPRSv30 project. This project will modify the Computerized Patient Record System, Text Integration Utilities, Consults, Health Summary, Problem List, Clinical Reminders, and Order Entry/Results Reporting to meet the requirements proposed by the Dept. of Health and Human Services to adopt ICD-10 code set standards for Clinic Orders.

This patch makes all changes to TIU that are required to move from the ICD-9 coding version to ICD-10.

Changes Made to Accommodate ICD-10:

Progress Notes, VistA

- The TIU package will print and display ICD codes obtained from other VistA packages within a single Progress Notes that were captured at the time the data was entered, including:
  - ICD-9-CM diagnosis and procedure codes
  - ICD-10-CM diagnosis and ICD-10-PCS procedure codes
- The VistA TIU package will print and display ICD codes within a single progress note.

Progress Notes, CPRS

- The CPRS TIU application will print and display ICD-9 and ICD-10 diagnosis codes, procedure codes, obtained from other packages within Progress Notes at the time the data was entered.
- The CPRS TIU package will print and display ICD codes within a single progress note.

Discharge Summary

- The VistA TIU package will print and display ICD-9 and ICD-10 diagnosis and procedure codes and descriptions obtained from other VistA packages within Discharge Summaries that were captured at the time the data was entered.

Patient Data Objects

- Patient Data Object VA-WRIISC Active Problems will be modified to print and display ICD-10-CM diagnosis codes.

  NOTE:
  TIU Object VA-WRIISC ACTIVE PROBLEMS is the only nationally distributed TIU Object which includes Diagnoses/Problems.

Health Summary

- The VistA TIU package will print and display ICD-9 diagnosis codes obtained from other VistA packages within Health Summaries which display PN or DS.

Problem List

- TIU VistA protocols permitting users to link problems directly to a TIU Progress Note have been disabled. Note: This means that all problems linked directly to Progress Notes will predate this patch and will therefore be ICD-9 problems.

Patch TIU*1*279 – Create Missing Patient PRF TIU installs one new Progress Note Title into the TIU DOCUMENT DEFINITION file (8925.1) PATIENT RECORD FLAG CATEGORY I – MISSING PATIENT. The patch installation links the title to the existing document class, PATIENT RECORD FLAG CAT I. This title will be automatically linked to the MISSING PATIENT Patient Record Flag during the install of DG*5.3*869.

Patch TIU*1*275 – USH LEGAL SOLUTION installs one new Progress Note Title into the TIU DOCUMENT DEFINITION file (8925.1): PATIENT RECORD FLAG CATEGORY I – URGENT ADDRESS AS FEMALE. The patch installation links the title to the existing document class, PATIENT RECORD FLAG CAT I. This title will be automatically linked to the URGENT ADDRESS AS FEMALE Patient Record Flag during the install of DG*5.3*864.

Patch TIU*1*265 - PRF CAT I - HIGH RISK FOR SUICIDE supports the Improve Veteran Mental Health (IVMH) initiative, High Risk Mental Health (HRMH) -National Reminder & Flag.
This patch installs one new Title into the TIU DOCUMENT DEFINITION file (8925.1): PATIENT RECORD FLAG CATEGORY I - HIGH RISK FOR SUICIDE

PATIENT RECORD FLAG CATEGORY I - HIGH RISK FOR SUICIDE is used with the new Patient Record Flag.

Patch TIU*1*261 permits an authorized user to rescind an Advance Directive document by changing the title to RESCINDED ADVANCE DIRECTIVE.

Patch TIU*1*261 supports Imaging patch MAG*3.0*121, which provides the ability to watermark images "RESCINDED".

☞ **Note: EXACT TITLE NAMES are REQUIRED**

The title of the Advance Directive to be rescinded must be ADVANCE DIRECTIVE
The title it is changed to when it is being rescinded must be RESCINDED ADVANCE DIRECTIVE

Both LOCAL and National Standard titles must be as above. Variations on either title will cause the Change Title action to fail to watermark images as rescinded.
These exact titles are required by policy. See the VHA HANDBOOK 1004.02 section on Advance Directives:
http://vaww1.va.gov/vhapublications/ViewPublication.asp?pub_ID=2042

Patch TIU*1*159 implements the War-Related Illness and Injury Study Centers (WRIISC pronounced “risk”) note title and template. The associated note title is

WRIISC ASSESSMENT NOTE. This note is described in the memo *Description of WRIISC Programs and Associated Referral Process* accompanying the patch. To get it to work properly a Clinical Coordinator authorized to edit shared templates must perform the following steps from the CPRS GUI:

1. Go to the Notes tab.
2. From the Options menu, select Edit Shared Templates.
3. In the Shared Templates pane highlight document Titles.
4. From the Tools menu select Import Template.
5. Select WRIISCASSESSMENT.TXML and press Open.
6. Highlight the WRIISC ASSESSMENT template.
7. In the Associated Title list box, select WRIISC ASSESSMENT NOTE.
8. Press OK.

Once these steps have been performed, the template and note title will work for all CPRS users. Further information about setting up shared templates is available in the *Computerized Patient Record System (CPRS) User Guide* in the section on Creating Personal Document Templates.

Chapter 2: Orientation

Manual organization

This manual is divided into four major sections:

Section	Purpose
I: Introduction	Presents overviews of TIU software and the User Manual.
II: Using TIU	Describes and demonstrates how to use the basic entry and reporting functions of TIU. This section is divided into sub-sections for the four major users of TIU: clinicians, MRTs, MIS Managers, and transcriptionists.
III: Managing TIU	Describes the options and tools available to coordinators and IRMS for assigning menus, setting parameters, and other management functions. Also includes Troubleshooting and Helpful Hints.
Glossary and Index	Definitions of terms and the index to the manual.

How each chapter is formatted

Each chapter generally follows the format of:

- Brief overview
- Description of process (step-by-step description of how to use functions, if appropriate)
- Examples

Online documentation: Intranet

Online Documentation for this product is available on the intranet at the following address:
http://www.va.gov/vdl/
This address takes you to the Clinical Products page, which has a listing of all the clinical software manuals. Click on the CPRS: Text Integration Utilities link and it will take you to the TIU Homepage.

☞ **Note:** Remember to bookmark this site for future reference.

Special Instructions for the new VistA Computer User

If you are unfamiliar with this package or other Veterans Health Information Systems and Technology Architecture (VISTA) software applications, we recommend that you study the DHCP *User's Guide to Computing.* This orientation guide is a comprehensive handbook for first-time users of any VISTA application to help you become familiar with basic computer terms and the components of a computer. It is reproduced and distributed periodically by the Kernel Development Group. To request a copy, contact your local Information Resources Management Service (IRMS) staff.

Graphic Conventions Used in This Manual

<Enter>
The Enter or Return key**.** It is pressed after every response you enter or when you wish to bypass a prompt, accept a default (//), or return to a previous action. In this manual, it is only included in examples when it might be unclear that such a keystroke must be entered.

Option examples
Menus and examples of computer dialogue that you see on the screen are shown in boxes:

Select Menu Option:

User responses
User responses are shown in **boldface**.

Select PATIENT NAME: **TIUPATIENT,ONE**

☞ **NOTE**
The pointing finger with a NOTE is used to call your attention to something especially significant.

Example:

☞ **NOTE**: You can respond to many prompts by typing the first few letters of a name, option, or action.

Select PATIENT NAME: **TIUPATIENT,O** TIUPATIENT,ONE

TIU and VistA Conventions

^ , ^^, ^^^

Enter the up-arrow (also known as a caret or circumflex) at a prompt to exit the current option, menu, sequence of prompts, or help. To get completely out of your current context and back to your original menu, you may need to enter two or three up-arrows. For example, when you're reviewing a list of documents, one up-arrow takes you to the next document; you need to enter two up-arrows to get out of the option.

> >

TIU screens can contain more information to the right of the main screen display. To see this information, enter the > character. To return to the main screen, enter the < character.

☞ **NOTE**: The arrow keys on the keypads of some keyboards can sometimes be used for navigation in List Manager applications, but this depends on the operating system. So if you get funny characters on your screen when you use those arrows, use the > and < symbols on the comma and period keys (the greater-than and less-than symbols).

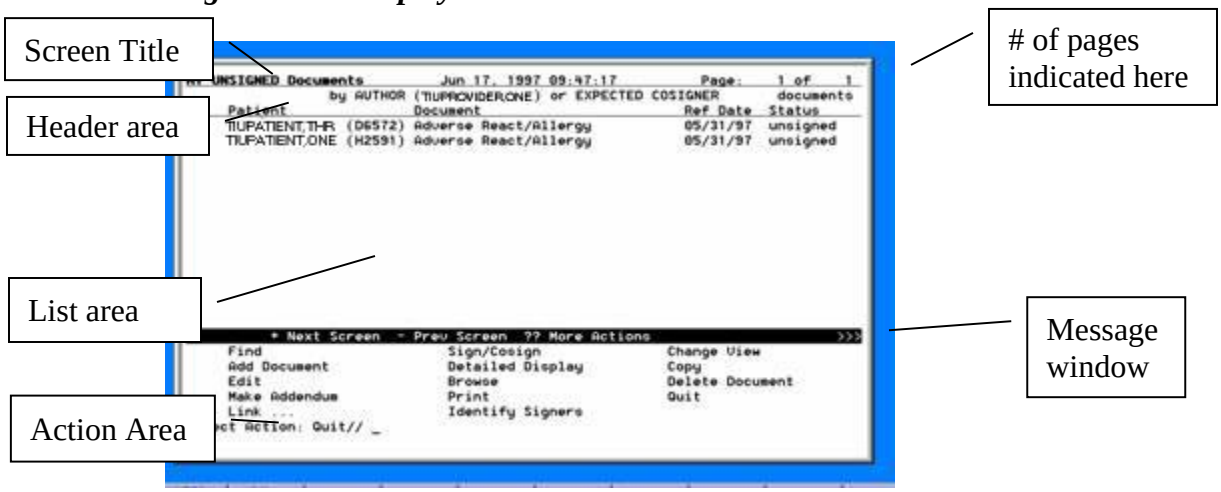
Online Help ?, ??, ???

Online help is available by entering one, two, or three question marks at a prompt. One question mark elicits a brief statement of what information is appropriate for responding to the prompt; two question marks shows a list (and sometimes descriptions) of more actions; and three question marks provide more detailed help, including a list of possible answers, if appropriate.

Defaults (//) Defaults are responses provided to speed up your entry process. They are either the most common responses, the safest responses, or the previous response. Examples:

Most common: Enter the ending date: NOW//
Safest: Do you wish to delete the entire entry: NO//
Last entered Enter the Provider Name: TIUPROVIDER,THREE//

List Manager Screen Display



TIU uses the List Manager utility which enables TIU (and other applications) to display a list of items in a screen format.

Screen title
The screen title changes according to what type of information List Manager is displaying (e.g., Progress Notes, Discharge Summary, etc.).

Header area
The header area is a “fixed” (non-scrollable) area that displays patient information.

List area
(scrolling region) This area scrolls if there are more items than will fit on one page. It displays a list of items, such as Unsigned Progress Notes, that you can take action on. If there’s more than one page of items, it’s listed in the upper right-hand corner of the screen (Page 1 of #).

Message window
This section displays a plus (+) sign, minus (-), or >> sign, or informational text (i.e., Enter ?? for more actions). If you enter a plus sign at the action prompt, List Manager “jumps” forward a page. If a minus sign is displayed and you enter it at the action prompt, List Manager “jumps” back a screen. The plus, minus, and > signs are only valid actions if they are displayed in the message window.

List Manager Screen Display cont'd

Action area
A list of actions display in this area of the screen. If you enter a double question mark (??) at the "Select Item(s)" prompt, you are shown a "hidden" list of additional actions that are available to use.

Entering Actions

The List Manager utility allows you to:
browse through the list
select items that need action
take action against those items
select other actions without leaving the option

Actions are entered by typing the name or abbreviation at the "Select Action" prompt.

Shortcut: Actions may also be preselected by typing the action abbreviation, then the number of the document on the list (Example: ED=1 will let you edit entry 1, Consult Report.

Besides the actions specific to the option you are working in, List Manager provides generic actions applicable to any List Manager screen. Enter a double question mark (??) at the "Select Action" prompt for a list of all actions available. The abbreviation for each action is shown in brackets following the action name. These actions are described on the next page.

List Manager Screen Display, cont'd

The following actions are available (enter ?? to see these):

```
+    Next screen          GO   Go to Page           DD   Detailed Display
-    Previous Screen      RD   Re Display Screen    EC   Edit Cosigner
FS   First Screen         ADPL Auto Display(On/Off) CT   Change Title
LS   Last Screen          Q    Quit                 CWAD CWAD Display
UP   Up a Line            >    Shift View to Right
DN   Down a Line          <    Shift View to Left
```

Generic (hidden) actions

Action	Description
Next Screen [+]	Move to the next screen (may be shown as a default)
Previous Screen [-]	Move to the previous screen
Up a Line [UP]	Move up one line
Down a Line [DN]	Move down one line
Shift View to Right [>]	Move the screen to the right if the screen width is more than 80 characters
Shift View to Left [<]	Move the screen to the left if the screen width is more than 80 characters
First Screen [FS]	Move to the first screen
Last Screen [LS]	Move to the last screen
Go to Page [GO]	Move to any selected page in the list
Re Display Screen [RD]	Redisplay the current screen
Print Screen [PS]	Prints the header and the portion of the list currently displayed
Print List [PL]	Prints the list of entries currently displayed
Search List [SL]	Finds selected text in list of entries
Auto Display (On/Off) [ADPL]	Toggles the menu of actions to be displayed/not displayed automatically
Change Title (CT)	Allows you to change the Title of a note from, e.g., a CWAD note to a Nursing Note
CWAD Display (CWAD)	Displays details of any CWAD notes available

List Manager Screen Display, cont'd

Action	Description
Edit Cosigner [EC]	Allows authorized users to modify the Expected Cosigner (Attending Physician for Discharge Summaries) of documents without having access to the text of the document. It is intended for Clinical Coordinators when they need to change the Expected Cosigner of a document whose Expected Cosigner cannot be otherwise changed because it is already signed. It permits the Expected Cosigner field to be edited for unsigned or uncosigned documents of type Progress Notes, Consults, Clinical Procedures, or Discharge Summaries. **Note:** Recent changes enforce limits on cosigning privileges. No provider may be a cosigner on Discharge Summaries if the provider requires a cosignature. To correct expected cosigners who were erroneously assigned before this restriction went into effect, perform a search on uncosigned notes, then use the (hidden) Edit Cosigner (EC) action to correct any problems.
Quit [QU]	Exits the screen (may be shown as a default)

Chapter 3: TIU for Clinicians

Progress Notes/Discharge Summary Menu

This is the main TIU menu for clinicians. It includes all of the options necessary for clinicians to manage their Progress Notes, Discharge Summaries, and other clinical documents which may be set up locally, either separately or in an integrated fashion. TIU also allows you to continue to access Progress Notes and Discharge Summaries through OE/RR menus. CPRS allows point and click access to all Progress Notes, Discharge Summaries, and Consults TIU documents.

The Progress Notes/Discharge Summary (TIU) menu also includes a Personal Preferences menu that allows clinicians to change their own parameters for viewing clinical documents.

Option Name	Description
Progress Notes User Menu	This menu includes options for reviewing, entering, printing, and signing progress notes, either by individual patient or by multiple patients.
Discharge Summary User Menu	This menu includes options for reviewing, entering, printing, and signing discharge summaries, either by individual patient or by multiple patients.
Integrated Document Management	This menu allows clinicians to perform actions on progress notes, discharge summaries, and other clinical documents from a single menu For example, a clinician may want to bring up all his unsigned documents.
Personal Preferences	

Using Progress Notes through CPRS

Clinicians enter and review Progress Notes through CPRS (Computerized Patient Record System) VistA and List Manager or through the CPRS GUI. Here we give an example of reviewing Notes through the List Manager version of CPRS. The GUI version has a different sequence of steps.

Example: Reviewing and signing Notes through CPRS

1. Select the Clinician Menu from your CPRS menu.

```
   OE      CPRS Clinician Menu
   RR      Results Reporting Menu
   AD      Add New Orders
   RO      Act On Existing Orders
   PP      Personal Preferences ...
Select Clinician Menu Option: OE  CPRS Clinician Menu
```

2. The Patient Selection screen is displayed. If you have a patient or team list defined, the patients are on this display.

```
Ward 2B                        Mar 17, 1997 17:07:09      Page:   1 of    1
Current patient: ** No patient selected **

      Patient Name                     ID        DOB            Room-Bed
1     TIUPATIENT,ONE                   (3456)    Jan 01, 1951
2     TIUPATIENT,THREE                 (1996)    Mar 05, 1949
3     TIUPATIENT,FIVE                  (3779)    Nov 19, 1991
4     TIUPATIENT,SEVEN                 (3234)    Mar 03, 1966
5     TIUPATIENT,TEN                   (2432)    Apr 04, 1932
6     TIUPATIENT,NINE                  (2591)    Apr 25, 1931   9-B
7     TIUPATIENT,ELEVEN                (8910)    Jan 01, 1934   A-4
8     TIUPATIENT,TWO                   (3243)    Apr 04, 1954
9     TIUPATIENT,FOURTEEN              (4723)    Oct 23, 1927   A-2

Enter the number of the patient chart to be opened
+   Next Screen          CG  Change List ...       FD  Find Patient
-   Previous Screen      SV  Save as Default List  Q   Close
Select Patient: Close// 1        TIUPATIENT,ONE
Searching for the patient's chart ...
```

If you have a patient list defined in your personal preferences it is displayed here. If not, just enter a patient name.

3. Select a patient by:

- Entering a name from a list (if you have one defined and set as your default
- Entering a patient's name (or last initial + last 4 letters of SSN)
- Entering FD (Find Patient), entering a ward or clinic name, then selecting a patient name from the list that appears.

Example: Reviewing Notes, cont'd

4. The "Cover Sheet" for the patient's record is displayed. Select Chart Contents.

```
Cover Sheet                    Mar 17, 1997 17:07:50        Page:  1 of    2
TIUPATIENT,ONE   666-12-3456            2B           JAN 1,1951 (46)   <CW>

     Item                                          Entered
     Allergies/Adverse Reactions                  |
 1   PENICILLIN 1 (rash, nausea,vomiting)         | 01/03/97
                                                  |
     Patient Postings                             |
2    CRISIS NOTE                                  | 02/24/97 08:28
3    CRISIS NOTE                                  | 12/03/96 10:44
4    CLINICAL WARNING                             | 02/21/97 09:16
5    CLINICAL WARNING                             | 01/15/97
                                                  |
     Recent Vitals                                |
     No data available                            |
                                                  |
     Immunizations                                |
     No immunizations found.                      |
                                                  |
+       Enter the numbers of the items you wish to act on.            >>>
NW  Document New Allergy  CG  (Change List ...)     SP  Select New Patient
+   Next Screen           CC  Chart Contents ...    Q   Close Patient Chart

Select: Next Screen// cc   CHART CONTENTS
```

Shortcut: Enter CC;N to bypass the next screen.

5. A new set of actions is displayed. These are the Contents or categories of the Patient Chart (also known as "Tabs.") Select the Notes tab.

```
Cover Sheet                    Mar 17, 1997 17:07:50        Page:  1 of    2
TIUPATIENT,ONE   666-12-3456            2B           JAN 1,1951 (46)   <CW>

     Alert                                         Entered
     Allergies/Adverse Reactions                  |
1   PENICILLIN 1 (rash, nausea,vomiting)          | 01/03/97
                                                  |
     Patient Postings                             |
2    CRISIS NOTE                                  | 02/24/97 08:28
3    CRISIS NOTE                                  | 12/03/96 10:44
4    CLINICAL WARNING                             | 02/21/97 09:16
5    CLINICAL WARNING                             | 01/15/97
                                                  |
     Recent Vitals                                |
     No data available                            |

+       Enter the numbers of the items you wish to act on.            >>>
  Cover Sheet        Orders             Imaging            Reports
  Problems           Meds               Consults
  Notes              Labs               D/C Summaries
Select chart component: N   Notes
Searching for the patient's chart ...
```

Example: Reviewing Notes, cont'd

6. The patient's completed progress notes are displayed. This is the default set up through Personal Preferences. You can "change view" to see a different status, such as unsigned notes.

```
Completed Progress Notes      Mar 17, 1997 17:10:56        Page:  1 of  1
TIUPATIENT,ONE   666-12-3456             2B          JAN 1,1951 (46)   <CW>

     Title                                      Written         Sig Status
1    CRISIS NOTE                               | 02/24/97 08:28  completed
2    CLINICAL WARNING                          | 02/21/97 09:16  completed
3    General Note                              | 01/24/97 14:18  completed
4    CLINICAL WARNING                          | 01/15/97        completed
5    SOAP - GENERAL NOTE                       | 12/04/96 14:39  completed
6    SOAP - GENERAL NOTE                       | 12/04/96 11:32  completed
7    CRISIS NOTE                               | 12/03/96 10:44  completed
8    SOAP - GENERAL NOTE                       | 12/03/96 10:31  completed
9    SOAP - GENERAL NOTE                       | 11/22/96 12:37  completed




       Enter the numbers of the items you wish to act on.              >>>
NW  Write New Note        CG  Change List ...      SP  Select New Patient
+   Next Screen           CC  Chart Contents ...   Q   Close Patient Chart

Select: Chart Contents// CG   CHANGE LIST
 Date range                Status
```

```
Select attribute(s) to change: S   STATUS
Select Signature Status: completed//??

Enter the signature status you would like to screen on
Choose from:
   amended
   completed
   deleted
   purged
   uncosigned
   undictated
   unreleased
   unsigned
   untranscribed
   unverified

Select Signature Status: completed//UNSigned
Searching for the patient's chart ...
```

Example: Reviewing Notes, cont'd

7. The patient's unsigned notes are displayed.

```
Unsigned Progress Notes        Mar 17, 1997 17:13:22       Page:   1 of    1
TIUPATIENT,ONE   666-12-3456             2B           JAN 1,1951 (46)   <CW>

     Title                                          Written        Sig Status
1    Addendum to CLINICAL WARNING                 | 01/28/97        unsigned




        Enter the numbers of the items you wish to act on.                >>>
NW  Write New Note        CG  Change List ...       SP  Select New Patient
+   Next Screen           CC  Chart Contents ...    Q   Close Patient Chart

Select: Chart Contents//
```

Example: Writing a note

```
Select: Chart Contents// NW   Write New Note
Available note(s):  11/22/96 thru 02/24/97  (9)
Do you wish to review any of these notes? NO// YES
```

```
                       --- Select note(s) to review ---

Please specify a date range from which to select note(s):
List Notes Beginning: 11/22/96//<Enter>   (NOV 22, 1996)
                Thru: 02/24/97//<Enter>   (FEB 24, 1997)

1   02/24/97 08:28  CRISIS NOTE                          Two TIUProvider
                      Adm: 09/21/95
2   02/21/97 09:16  CLINICAL WARNING                     Sixteen TIUProvider
                      Adm: 09/21/95
3   01/24/97 14:18  General Note                         Three TIUProvider
                      Adm: 09/21/95
    SUBJECT: TEST
4   01/15/97 00:00  CLINICAL WARNING                     One TIUProvider, MD
                    Visit: 08/14/95
5   12/04/96 14:39  SOAP - GENERAL NOTE                  Three TIUProvider
                      Adm: 09/21/95
Choose Notes:  (1-5): <Enter>

Nothing selected.
```

Example: Writing a note, cont'd

```
Personal PROGRESS NOTES Title List for NINE TIUPROVIDER
   1    Crisis Note
   2    Advance Directive
   3    Adverse Reactions
   4    Other Title
TITLE:  (1-4): 3    Adverse React/Allergy

Creating new progress note...
          Patient Location:  2B
   Date/time of Admission:  09/21/95 10:00
         Date/time of Note:  NOW
            Author of Note:  TIUPROVIER,NINE
   ...OK? YES// <Enter>

SUBJECT (OPTIONAL description):
Calling text editor, please wait...
  1>TEST
  2> <Enter>
EDIT Option:
Save changes? YES// <Enter>

Saving Adverse React/Allergy with changes...
Enter your Current Signature Code: XXX   SIGNATURE VERIFIED..
Print this note? No// YES
Do you want WORK copies or CHART copies? CHART//<Enter>
DEVICE: HOME// <Enter>  VAX
```

```
---------------------------------------------------------------------------
TIUPATIENT,ONE   666-12-3456                                  Progress Notes
---------------------------------------------------------------------------
NOTE DATED: 03/17/97 17:15    ADVERSE REACT/ALLERGY
ADMITTED: 09/21/95 10:00 2B
TEST

                  Signed by: /es/ NINE TIUPROVIDER
                                  NINE TIUPROVIDER 03/17/97 17:15
Enter RETURN to continue or '^' to exit: <Enter>

You may enter another Progress Note. Press RETURN to exit.
Select PATIENT NAME: <Enter>
```

TIU Dictation Control

TIU*1*297 added functionality to allow a facility to control TIU dictation privileges by division for TIU documents of any type (Op reports, DC Summaries, Consults, etc.). Authors should initiate a note stub with a unique ID number and dictation instructions. The unique ID number is generated by the system. It is normally not disclosed to the user. However, in this case, it is disclosed as part of the dictation instructions, for easy identification.

Site**s** may choose whether to use this functionality.

Dictation privileges are controlled by two new fields that were added to the TIU PARAMETERS File (#8925.99).

The two new fields added to the TIU PARAMETERS File (#8925.99) are:

- ENABLE DICTATION CONTROL (Field #.23), which can be answered **YES** to activate the patch functionality. An answer of **NO** or nothing disables the functionality.
- DICTATION INSTRUCTIONS (Field #6), a word processing field, which allows sites to enter site-specific dictation instructions. Within this field, sites may reference the variables TIUDA, TIUL5, and TIUINST by placing them between vertical bars, Example |TIUDA|. TIUDA will be the internal entry number of the current document, TIUL5 will be the last 5 digits of TIUDA and TIUINST will be the internal entry number of the INSTITUTION of the currently logged- in user. Kernel's software-wide variables, defined in the kernel technical manual, and FileMan's package-wide variables, defined in the FileMan technical manual, may be used as well.

These new fields may be modified by using the TIU BASIC PARAMETERS EDIT option.

Set the "Enable Dictation Control" Field (#23) to "Yes" to activate the functionality. Enter "BEGIN-DICTATION" in the first line of the text in the CPRS progress note to trigger replacement of the progress NOTE by the "Dictation Instruction" in Field (#6).

The patch also introduced a new routine, TIUDCT, modified existing routine, TIULP, and introduced a new security key, TIUDCT. The TIUDCT security key must be assigned to the CPRS users who are authorized to dictate TIU documents and transcription personnel such as the Facility Chief (HIM) and the Transcription Supervisor/Staff.

Template TIU BASIC PARAMETER EDIT INPUT TIU PARAMETERS File (#8925.99) was modified to allow a facility to control TIU dictation privileges, request dictating authors to initiate a note stub**,** and dictate a unique ID number with dictation instructions.

The TIU PARAMETERS file is based on the INSTITUTION File (#4). This functionality is enabled/disabled at the division level. Each division may have its own parameters, which can be controlled separately, allowing divisions to have different sets of TIU Dictation Instructions, **provided** the site's divisions were set up as separate institutions.

New Service Request, NSR 20141003 – TIU Dictation Control, was resolved with this patch.

Dictation Instructions Example:

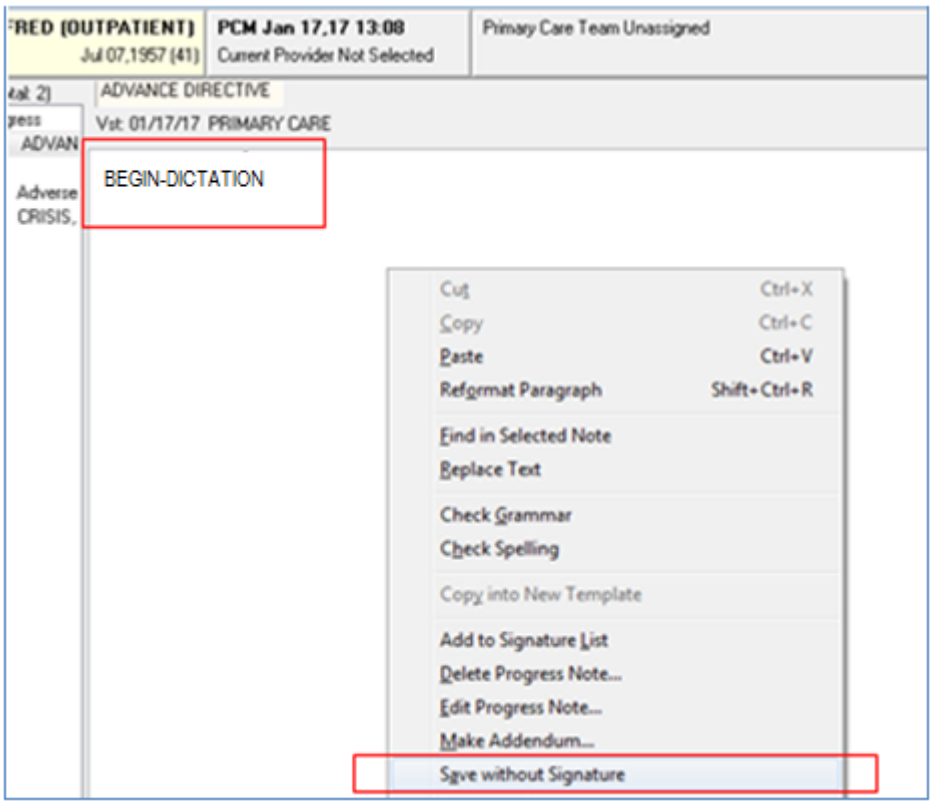
Enter **YES** to activate DICTATION CONTROL. Add site specific instructions for your site in the DICTATION INSTRUCTIONS field using your TIU BASIC PARAMETER EDIT option.

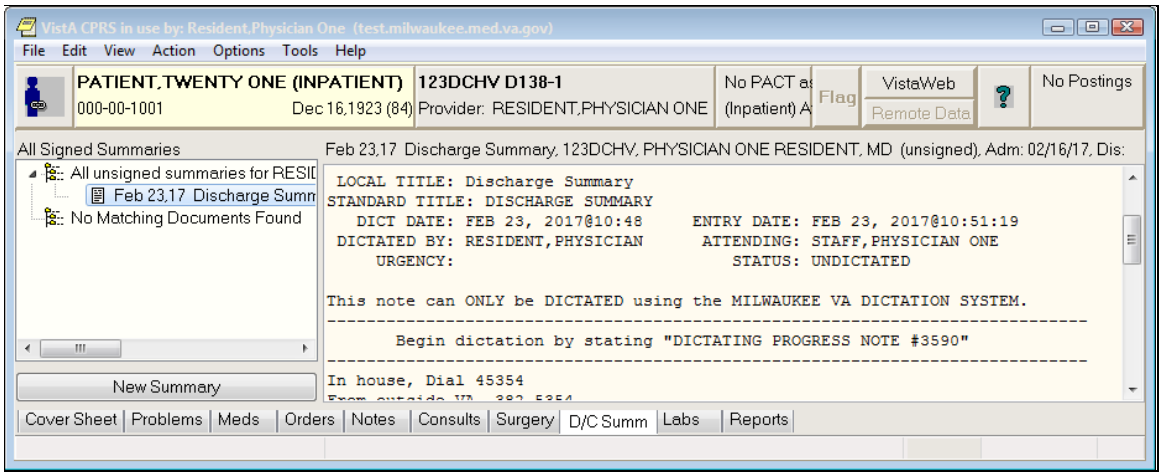
```
Select OPTION NAME:    TIU BASIC PARAMETER EDIT     Basic TIU Parameters
Basic TIU Parameters
First edit Division-wide parameters:

Select INSTITUTION: ?
    Answer with TIU PARAMETERS INSTITUTION
   Choose from:
   ALBANY
   TROY
   ZZ DUP WASHINGTON VAMC


     You may enter a new TIU PARAMETERS, if you wish
     Enter your Institution.
 Answer with INSTITUTION NAME
 Do you want the entire INSTITUTION List? N  (No)
Select INSTITUTION: ALBANY     NY  VAMC      500
         ...OK? Yes//   (Yes)

ENABLE ELECTRONIC SIGNATURE: YES//
ENABLE NOTIFICATIONS DATE: JUN 13,1995//
GRACE PERIOD FOR SIGNATURE: 5//
FUTURE APPOINTMENT RANGE:
CHARACTERS PER LINE: 66//
OPTIMIZE LIST BUILDING FOR: performance//
SUPPRESS REVIEW NOTES PROMPT: NO//
DEFAULT PRIMARY PROVIDER: AUTHOR (IF PROVIDER)//
BLANK CHARACTER STRING: @@@//
START OF ADD SGNR ALERT PERIOD:
END OF ADD SGNR ALERT PERIOD:
LENGTH OF SIGNER ALERT PERIOD:
ENABLE DICTATION CONTROL: Y  YES
DICTATION INSTRUCTIONS:
  No existing text
  Edit? NO// YES
```

```
This note can ONLY be dictated using the Site Name VA DICTATION SYSTEM.
Begin dictation by stating "DICTATING PROGRESS NOTE #|TIUL5|."
In house, dial 45354 or from outside VA, 555-1212.
Enter your Dictation ID followed by the # key.
Enter appropriate work type followed by the # key.
Enter the patient's 9-digit SSN followed by the # key.

Press 2 to begin dictating.
Wait for the record tone to end.

Press 2 again to pause anytime during dictation.
You may pause up to 5 minutes.

If  you do not press 2 to pause, the system will warn you of disconnect
when no recording has taken place for over 60 seconds.
```

```
For STAT/Rush dictation, press 6 anytime during dictation then press 2 to
reactivate dictation mode.

When you have completed dictating the report:
        Press 5 to disconnect, or
        Press 8 to dictate another report
To "rewind" in dictation mode:
        Press 3 to rewind 10 seconds.
        Press 7 for continuous rewind. Wait, press 3 to play back.
        Press 77 to rewind to beginning of report.
To edit the last words dictated:
        Press 3 or 73 to rewind to the last correct word.
        Press 2 to STOP playback and START recording.
```

Type the words “BEGIN-DICTATION” on the first line in a CPRS progress note then click “Save Without Signature.”




VistA CPRS in use by: Resident,Physician One (test.milwaukee.med.va.gov)
File Edit View Action Options Tools Help
PATIENT,TWENTY ONE (INPATIENT)
000-00-1001
Dec 16,1923 (84)
123DCHV D138-1
Provider: RESIDENT,PHYSICIAN ONE
No PACT as
(Inpatient) A
Flag
VistaWeb
Remote Data
No Postings
All Signed Summaries
All unsigned summaries for RESID
Feb 23,17 Discharge Summ
No Matching Documents Found
New Summary
Feb 23,17 Discharge Summary, 123DCHV, PHYSICIAN ONE RESIDENT, MD (unsigned), Adm: 02/16/17, Dis:
LOCAL TITLE: Discharge Summary
STANDARD TITLE: DISCHARGE SUMMARY
DICT DATE: FEB 23, 2017@10:48 ENTRY DATE: FEB 23, 2017@10:51:19
DICTATED BY: RESIDENT,PHYSICIAN ATTENDING: STAFF,PHYSICIAN ONE
URGENCY: STATUS: UNDICTATED
This note can ONLY be DICTATED using the MILWAUKEE VA DICTATION SYSTEM.
Begin dictation by stating "DICTATING PROGRESS NOTE #3590"
In house, Dial 45354
Cover Sheet
Problems
Meds
Orders
Notes
Consults
Surgery
D/C Summ
Labs
Reports

The dictation number appears on the right side of the screen. Follow the instructions displayed in the body of the note.

```
 LOCAL TITLE: Discharge Summary
STANDARD TITLE: DISCHARGE SUMMARY
   DICT DATE: FEB 23, 2017@10:48     ENTRY DATE: MAR 17, 2017@09:05:38
 DICTATED BY: RESIDENT,PHYSICIAN      ATTENDING: STAFF,PHYSICIAN ONE
     URGENCY: routine                    STATUS: UNDICTATED

This note can ONLY be DICTATED using the MILWAUKEE VA DICTATION SYSTEM.
---------------------------------------------------------------------------
           Begin dictation by stating "DICTATING PROGRESS NOTE # 3590"
---------------------------------------------------------------------------

In house, Dial 1234
From outside VA, 555-1234

Press 2 to begin dictating. Wait for record tone to end.
Press 2 again to pause anytime during dictation. You may pause up to 5
minutes. If you do not press 2 to pause, the system will warn you of
disconnect when no recording has taken place for over 60 seconds.

For STAT/Rush dictation, press 6 anytime during dictation, then 2 to
reactivate dictation mode.

When you are done dictating the report either:
     Press 5 to DISCONNECT
     Or
     Press 8 to DICTATE ANOTHER report

To "rewind" in dictation mode:
    Rewind 10 seconds - Press 3
    Continuous rewind - Press 7, wait, 3 to play back
    Rewind to beginning of report - Press 77

To edit the last words dictated:
    Press 3 or 73 to rewind to the last correct word
    Press 2 to STOP playback and START recording.

If transcription is NOT available by 24 hours, contact Transcription
Dept at x4321.
```

Sites not having the following business rules must determine the need to create them through "**USR CLASS MANAGEMENT MENU"** as indicated below:

```
USR AUTHORIZATION/SUBSCRIPTION LIST (TIU Business Rules)           JUN 23,
2017@08:09   PAGE 1
DOCUMENT DEFINITION                       STATUS        ACTION             By
User Class
--------------------------------------------------------------------------------
---------------

CLINICAL DOCUMENTS     (CLASS)          UNDICTATED    VIEW               USER
CLINICAL DOCUMENTS     (CLASS)          UNDICTATED    EDIT RECORD
TRANSCRIPTIONIST
OPERATION REPORTS      (DOCUMENT CLASS) UNDICTATED    EDIT RECORD        USER
Select TIU Maintenance Menu Option: 3 User Class Management

                      --- User Class Management Menu ---

   1      User Class Definition
   2      List Membership by User
   3      List Membership by Class
   5      Manage Business Rules

Select User Class Management Option: 5 Manage Business Rules
Select SEARCH CATEGORY: DOCUMENT DEFINITION//
```

Suggested Set-Up Example 1

```
Select Action: Next Screen// AD   Add Rule
Please Enter a New Business Rule:

Select DOCUMENT DEFINITION:    CLINICAL DOCUMENTS     CLASS (or the document or
class appropriate for site)
DOCUMENT DEFINITION: CLINICAL DOCUMENTS//
STATUS: UNDICTATED
ACTION: VIEW
USER CLASS: USER (or class that contains all medical record user classes)
AND FLAG:
USER ROLE:
DESCRIPTION:
```

Suggested Set-Up Example 2

```
Select Action: Next Screen// AD   Add Rule
Please Enter a New Business Rule:

Select DOCUMENT DEFINITION:    CLINICAL DOCUMENTS     CLASS (or the document or
class appropriate for site)
DOCUMENT DEFINITION: CLINICAL DOCUMENTS//
STATUS: UNDICTATED
ACTION: EDIT RECORD
USER CLASS: TRANSCRIPTIONIST (or the TIU USR class appropriate for site)
AND FLAG:
USER ROLE:
DESCRIPTION:
```

Suggested Set-Up Example 3

```
Select Action: Next Screen// ADD   Add Rule
Please Enter a New Business Rule:

Select DOCUMENT DEFINITION:  OPERATION REPORTS       DOCUMENT CLASS (or the
document or class appropriate for site)
DOCUMENT DEFINITION: OPERATION REPORTS//
STATUS: UNDICTATED
ACTION:  EDIT RECORD
USER CLASS: USER
```

```
AND FLAG:
USER ROLE:
DESCRIPTION:
```

Select Search through CPRS

You can narrow your view to signed notes by author, unsigned notes, etc. You can also specify the date order your notes will appear in: ascending (oldest first) or descending (most recent first) order.

Caution: Avoid selecting too large a date range or too general a category, as big searches are very system-intensive. This means that not only might it slow down your work, but everyone else's as well.

```
Progress Notes              Apr 09, 1997 14:42:58          Page:     1 of    1
<CWA>                       P R O G R E S S   N O T E S        Last 15 note(s)
TIUPATIENT,ONE   666-12-3456  2B/                          JAN 1,1951 (46)
       Title                                Author           Date/Time
1      Psychology Notes             TIUPROVIDER,ONE 04/08/97 15:49     compl
2      CRISIS NOTE                  TIUPROVIDER,THR 04/08/97 00:00     compl
3      Adverse React/Allergy        TIUPROVIDER,NIN 04/07/97 16:28     compl
6      Adverse React/Allergy        TIUPROVIDER,NIN 04/03/97 19:31     compl
7      Adverse React/Allergy        TIUPROVIDER,NIN 03/17/97 17:15     compl
8      CRISIS NOTE                  TIUPROVIDER,NIN 02/24/97 08:28     compl
          + Next Screen  - Prev Screen            ?? More Actions
NW   New Note             SP   Select New Patient   AD   Make Addendum
B    Browse               SS   Select Search        $    Complete Note(s)
PC   Print Copy           RS   Reset to All Signed  Q    Quit
Select Action: Quit// SS   Select Search
```

```
Valid selections are:
  1 - signed notes (all)   2 - unsigned notes       3 - uncosigned notes
  4 - signed notes/author  5 - signed notes/dates

Select context: 1// 4  AUTHOR
Select AUTHOR: TIUPROVIDER,TWO// <Enter>         jg
Please Specify Sort Order: descending// ?
Enter a code from the list.
Select one of the following:
          A         ascending (OLDEST FIRST)
          D         descending (NEWEST FIRST)
Please Specify Sort Order: descending//  A  ascending (OLDEST FIRST)
Searching for the progress notes.
```

```
Progress Notes              Apr 09, 1997 14:42:50          Page:    1 of    1
<CWA>                       P R O G R E S S   N O T E S          4 note(s)
TIUPATIENT,ONE        666-12-3456  2B/                       JAN 1,1951 (46)
       Title                                Author           Date/Time
1      CRISIS NOTE                    TIUPROVIDER 02/24/97 08:28     compl
2      Adverse React/Allergy          TIUPROVIDER 03/17/97 17:15     compl
3      Adverse React/Allergy          TIUPROVIDER 04/03/97 19:31     compl
4      Adverse React/Allergy          TIUPROVIDER 04/07/97 16:05     compl

          + Next Screen      - Prev Screen          ?? More Actions
NW   New Note             SP   Select New Patient   AD   Make Addendum
B    Browse               SS   Select Search        $    Complete Note(s)
PC   Print Copy           RS   Reset to All Signed  Q    Quit
Select Action: Quit//
```

Progress Notes Options

Clinicians can review, enter, print, and sign progress notes, either by individual patient or by multiple patients, through TIU.

☞ **NOTE:** When reviewing several notes sequentially, the up-arrow (^) entry takes you to the next note. To exit from the review, enter two up-arrows (^^).

Clinician's Progress Notes Menu

Option	Description
Entry of Progress Note	This is the main option for entering a new progress note. You can also edit patient progress notes.
Review Progress Notes by Patient	This option allows you to review, edit, or sign a selected patient's progress notes, by selected criteria.
Review Progress Notes	This option allows clinicians to get quickly to a patient's list of notes, without preliminary prompts to select criteria for displaying notes.
All MY UNSIGNED Progress Notes	This option retrieves all your unsigned progress notes for review, edit, or signature.
Show Progress Notes Across Patients	This option allows you to search for and review progress notes by many different criteria: status, type, date range, and category. **Caution:** Avoid selecting too large a date range or too general a category, as big searches are very system-intensive. This means that not only might it slow down your work, but everyone else's as well.
Progress Notes Print Options ...	The options on this menu support the printing of chart or work copies, by author, location, patient, or ward. These options are described in Chapter 8.
List Notes By Title	This option allows you to look up progress notes by title within a specified date range.
Search by Patient AND Title	This option allows you to search for and review progress notes by patient, as well as many other criteria: status, type, date range, and category.
Personal Preferences...	The two options on this menu let you customize the way TIU operates for you; that is, which prompts will appear, what lists you will see to select from, etc. You can also specify the way documents are displayed on your review screens, by patient, by author, by type, in chronological or reverse chronological order, etc.

Entry of Progress Note

This is the main option for entering a new progress note. You can also *edit* patient progress notes.

Example 1: Inpatient progress note

Steps to use option:

1. Select *Entry of Progress Note* from your Progress Notes Menu. If you have a patient list set up (through Personal Preferences), it is displayed here.

```
Loading Ward Patient List...
                           2B ward list

1    TIUPATIENT,ONE   (3456) ~          8    TIUPATIENT,TWO   (3243) A-4
2    TIUPATIENT,NINE  (2591) ~          9    TIUPATIENT,EIGHT (3242) ~
3    TIUPATIENT,FOUR  (2384) ~          10   TIUPATIENT,TEN   (2432) A-2
4    TIUPATIENT,SEVEN (3234) ~          11   TIUPATIENT,TWELV (3213) A-1
5    TIUPATIENT,THREE (1996) ~          12   TIUPATIENT,FOURT (4723) ~
6    TIUPATIENT,FIVE  (3779) ~          13   TIUPATIENT,SIXTE (1321) A-3
7    TIUPATIENT,SIX   (2476) 9-B        14   TIUPATIENT,ELEVE (1414) ~
```

2. Type in a patient name or a number from the list. Demographic data and CWAD (Cautions, Warnings, Adverse Reactions, and Directives) notes are displayed. You are prompted to choose if you want to see any of the previous Progress Notes for this patient.

```
Select Patient(s): 7    TIUPATIENT,TWO 04-25-31   666043243P     NO
MILITARY RETIREE
            (6 notes)  W: 01/27/97 15:17  (addendum 02/08/97 17:19)
                       A: Known allergies
            (1 note )  D: 03/26/97 13:02

Available notes:  11/11/96 thru 04/15/97  (27)
Do you wish to see any of these notes? NO// <Enter>
```

This indicates that there are 27 notes for this patient.

3. Select a Title. If you have a personal Progress Notes title list set up through Personal Preferences, that list is displayed for you to choose from. Enter a Subject, if desired, and the text of the Progress Note.

```
Personal PROGRESS NOTES Title List for THREE TIUPROVIDER
1    Crisis Note
   2    Advance Directive
   3    Adverse Reactions
   4    Other Title
TITLE:  (1-4): 3// <Enter>
    Adverse React/Allergy

Creating new progress note...
          Patient Location:  1A
    Date/time of Admission:  05/30/97 10:43
         Date/time of Note:  NOW
           Author of Note:  TIUPROVIDER,NINE
   ...OK? YES// <Enter>
SUBJECT (OPTIONAL description): <Enter>

Calling text editor, please wait...
  1>Mr. TIUPatient improving; renewed prescription.
  2> <Enter>
EDIT Option:
Save changes? YES// <Enter>
Saving Adverse React/Allergy with changes...
```

4. Enter your electronic signature code. If you wish to print the note (either a Work or Chart copy), answer yes to the next prompt, and enter a printer device name.

```
Enter your Current Signature Code: XXX   SIGNATURE VERIFIED..
Print this note? No// y  YES
Do you want WORK copies or CHART copies? CHART// w  WORK
DEVICE: HOME//<Enter>   VAX
```

The note is printed. You are prompted to enter another note or to exit.

```
---------------------------------------------------------------------------
TIUPATIENT,SEVEN 666-04-3234P                              Progress Notes
---------------------------------------------------------------------------
NOTE DATED: 05/31/97 14:58    ADVERSE REACT/ALLERGY
ADMITTED: 05/30/97 10:43 1A
Mr. TIUPatient improving; renewed prescription.

                  Signed by: /es/ NINE TIUPROVIDER
                                  NINE TIUPROVIDER 05/31/97 14:59
Enter RETURN to continue or '^' to exit:
You may enter another Progress Note. Press RETURN to exit.
Select PATIENT NAME: <Enter>
```

Example 2: Outpatient note

Outpatient notes require more information than inpatient notes, because every outpatient encounter must now be associated with a visit to get workload credit. Most Progress Notes automatically get the visit data from Checkout or a scanned Encounter Form.
Steps to use option:

1. Select *Entry of Progress Note* from your Progress Notes Menu.

2. Type in a patient name.

```
Select Patient(s): TIUPATIENT,ONE TIUPATIENT,ONE  09-12-44  666233456    YES
SC VETERAN
            (1 note )  C: 11/19/96   (addendum 01/28/97 09:55)
                       A: Known allergies

For Patient TIUPATIENT,ONE
```

3. Type in a Progress Note Title. You can use an existing Title or create a new one. If you have created a personal document list through the Personal Preferences' *Document Management* option, that list is displayed here.

```
Personal PROGRESS NOTES Title List for THREE TIUPROVIDER

   1    Crisis Note
   2    Advance Directive
   3    Adverse Reactions
   4    Other Title

TITLE:  (1-4): 3    Adverse React/Allergy
```

4. Since this is a note for an outpatient, you may be prompted to select an existing visit or create a new visit to associate the progress note with.
This patient is not currently admitted to the facility...
Is this note for INPATIENT or OUTPATIENT care? OUTPATIENT// **<Enter>**

```
The following VISITS are available:
   1>  FEB 24, 1997@09:00                      DIABETES CLINIC
   2>  SEP 05, 1996@10:00                      CARDIOLOGY
CHOOSE 1-2 or <N>EW VISIT
<RETURN> TO CONTINUE
OR '^' TO QUIT: N
Creating new progress note...
          Patient Location:  NUR 1A
         Date/time of Visit:  02/24/97 14:29
          Date/time of Note:  NOW
             Author of Note:  TIUPROVIDER,THREE
   ...OK? YES//<Enter>
SERVICE: MEDICINE// <Enter>    111
```

5. Enter a subject for your note (optional).

```
SUBJECT (OPTIONAL description): ?
   Enter a brief description (3-80 characters) of the contents
   of the document.
SUBJECT (OPTIONAL description): Blue Note
```

6. Type in the text of the note. If it's a SOAP Note or there's a boilerplate for this, you can fill in the blanks or edit existing text. You can use the FileMan text editor or full-screen editor. Sign the Note when you're finished.

```
Calling text editor, please wait...
  1>Follow-up visit to ensure compliance with regimen.
  2><Enter>
EDIT Option: <Enter>
Save changes? YES//<Enter>
Saving General Note with changes...
Enter your Current Signature Code: [HIDDEN CODE]   SIGNATURE VERIFIED..
```

7. Enter the Diagnosis associated with this Progress Note.

NOTE: To receive workload credit, VAMCs must now capture Provider, Diagnosis, and Procedure for all outpatient visits.

```
Please Indicate the Diagnoses for which the Patient was Seen:
1      Abdominal Pain
2      Abnormal EKG
3      Abrasion
4      Abscess
5      Adverse Drug Reaction
6      AIDS/ARC
7      Alcoholic, intoxication
8      Alcoholism, Chronic
9      Allergic Reaction
10     Anemia
ANGINA:
11     Stable
12     Unstable
13     Anorexia
14     Appendicitis, Acute
15     Arthralgia
ARTHRITIS
16     Osteo
17     Rheumatoid
18     Ascites
19     ASHD
20     OTHER Diagnosis
Select Diagnoses:  (1-20): 9
```

A list of diagnoses relating to the type of Progress Note is presented for you to choose from.

NOTE: As of patch TIU*1*263, Changes for ICD-10, TIU VistA Manager Actions which include TIU selection of diagnoses will permit selection from appropriate ICD diagnoses depending on the Date of Visit. The dialogue confirming the selections will include the ICD coding system as well as the ICD code.

8. Enter the Procedure associated with this Progress Note.

```
Please Indicate the Procedure(s) Performed:

CARDIOVASCULAR
1       Cardioversion
2       EKG
3       Pericardiocentesis
4       Thoracotomy
MISCELLANEOUS
5       Abscess
6       Less than 2.5 cm
7       2.6 - 7.5 cm
8       Greater than 7.5 cm
9       Burns 1 * Local Treatment
10      Dressings Medium
11      Dressings Small
12      Transfusion
13      Venipuncture
UROLOGY
14      Foley Catheter
ENT
15      Removal Impacted Cerumen
16      Anterior, Simple
17      Anterior, complex
18      Posterior
EYE
19      Foreign Body Removal
20      OTHER Procedure

Select Procedure:  (1-20): 19

You have indicated the following data apply to this visit:

DIAGNOSES:
   (ICD-9-CM 995.3)   Allergic Reaction  <<< PRIMARY

PROCEDURES:
   65205    Foreign Body Removal

   ...OK? YES// <Enter>

Posting Workload Credit...
```

A list of procedures relating to the type of Progress Note is presented for you to choose from.

8. If you wish, you can print the note now.

```
Print this note? No// y  YES
Do you want WORK copies or CHART copies? CHART// work
DEVICE: HOME// <Enter>  VAX

---------------------------------------------------------------------
TIUPATIENT,ONE   666-23-3456                            Progress Notes
---------------------------------------------------------------------
NOTE DATED: 02/24/97 08:30    ADVERSE REACT/ALLERGY
VISIT: 02/24/97 08:30 GENERAL MEDICINE
new tests

                  Signed by: /es/ THREE TIUPROVIDER
                                  THREE TIUPROVIDER 02/24/97 08:30

Enter RETURN to continue or '^' to exit:

You may enter another CLINICAL DOCUMENT. Press RETURN to exit.

Select PATIENT NAME: <Enter>
```

Review Progress Notes by Patient

This option allows you to review, edit, or sign a selected patient's progress notes.

Steps to use option:

1. Select *Review Progress Notes by Patient* from the Progress Notes menu, then enter the name of the patient.

```
Select Progress Notes User Menu Option: 2  Review Progress Notes by Patient
       PATIENT NAME: TIUPATIENT,ONE TIUPATIENT,ONE     09-12-44     666233456

       ERAN
             (2 notes)  C: 05/28/96 12:37
             (2 notes)  W: 05/28/96 12:33
                        A: Known allergies
             (2 notes)  D: 05/28/96 12:36

       ble notes:  02/17/95 thru 06/21/96  (31)
```

If the patient has Cautions, Warnings, Allergies, or Directives (CWAD), they are displayed here.

er the date range of notes you wish to review.

```
Please specify a date range from which to select notes:
List notes Beginning: 12/01/96  (DEC 01, 1994)
                Thru: 05/01/96// <Enter>  (MAY 01, 1997)
```

3. From the selection displayed, choose the notes you wish to review.

```
1   04/18/97 11:38  Social Work Service              Three TIUProvider, MD
                    Visit: 04/18/97
2   06/21/96 07:47  Lipid Clinic                     Three TIUProvider, MD
                    Visit: 06/18/96
3   06/07/96 00:00  Diabetes Education               One TIUProvider, MD
                    Visit: 04/18/96
4   01/19/96 10:37  SOAP - General Note              Three TIUProvider, MD
                    Visit: 1/10/96
Choose notes:  (1-8): 2
```

4. The note you selected is then displayed.

```
Opening Lipid Clinic record for review...
Browse Document           Jun 26, 1996 10:55:18        Page:  1 of  4
                                Lipid Clinic
TIUPATIENT,O   666-23-3456                  Visit Date: 06/18/96@10:00

DATE OF NOTE: JUN 21, 1996@07:47:47  ENTRY DATE: JUN 21, 1996@07:47:47
      AUTHOR: TIUPROVIDER,ONE        EXP COSIGNER:
     URGENCY:                        STATUS: COMPLETED

SUBJECTIVE:  5 year old AMERICAN INDIAN OR ALASKA NATIVE MALE here for
             initial evaluation of his DYSLIPIDEMIA.
             COPIED FROM TIUCLIENT TO TIUPATIENT.
PMH:
Significant negative medical history pertinent to the
               evaluation and treatment of DYSLIPIDEMIA:
FH:
+         + Next Screen  - Prev Screen  ?? More actions
     Find                   Make Addendum             Identify Signers
     Print                  Sign/Cosign               Delete
     Edit                   Copy                      Link ...
                                                      Quit
Select Action: Next Screen// <Enter>
```

☞**NOTE:** The screen indicates that this is Page 1 of 4; press Enter after each screen to see all the pages of this note. When reviewing several notes, the up-arrow (^) entry takes you to the next note. To exit from the review, enter two up-arrows (^^).

```
Browse Document          Jun 26, 1996 10:56:09          Page:  2 of  4
                                Lipid Clinic
TIUPATIENT,O     666-23-3456                 Visit Date: 04/18/96@10:00
+
SH:
MEDICATION
HISTORY:       CURRENT MEDICATIONS

DIET:          Counseled on AHA Step I diet today by NINE TIUPROVIDER.
               See her evaluation.

ACTIVITY:
OBJECTIVE:     HT:  70 (08/23/95 11:45)   WT:  207 (08/23/95 11:45)

+         + Next Screen  - Prev Screen  ?? More actions
     Find                   Make Addendum             Identify Signers
     Print                  Sign/Cosign               Delete
     Edit                   Copy                      Link ...
Select Action: Next Screen// <Enter>
```

```
Browse Document          Jun 26, 1996 10:56:43         Page:  3 of  4 Lipid
Clinic
TIUPATIENT,O     666-23-3456                  Visit Date: 04/18/96@10:00
               TSH/T4: 1.7/1.1

                  FBG: 200           HEMOGLOBIN A1C: 15.2
                 SGOT: 44               URIC ACID: 4.7

ASSESSMENT:    1.      MALE with / without documented CAD
               2.      CV Risk factors:
               3.      Lipid pattern:

PLAN:          1.      Implement recommendations to lower fat intake.
               2.      Repeat FBG and HBG A1C on:
               3.      Return to review lab on:

+          + Next Screen  - Prev Screen  ?? More actions
     Find                   Make Addendum             Identify Signers
     Print                  Sign/Cosign               Delete
     Edit                   Copy                      Link ...
                                                      Quit
Select Action: Next Screen// <Enter>
```

```
Browse Document          Jun 26, 1996 10:57:04       Page:   4 of    4
                                Lipid Clinic
TIUPATIENT,O   666-23-3456                 Visit Date: 04/18/96@10:00
+
/es/ Three TIUProvider, MD
Medical Intern

          + Next Screen  - Prev Screen  ?? More actions
     Find                   Make Addendum             Identify Signers
     Print                  Sign/Cosign               Delete
     Edit                   Copy                      Link ...
                                                      Quit
Select Action: Quit//
```

5. You can then select an action to perform on the note.

```
Select Action: Quit// m   Make Addendum
Adding ADDENDUM
DATE/TIME OF NOTE: 10/25/96@11:21// <Enter>  (OCT 25, 1996@11:21:00)
AUTHOR OF NOTE: TIUPROVIDER,ELEVEN// <Enter>  jg
Calling text editor, please wait...
  1>Should say 55 year old...
  2><Enter>
EDIT Option: <Enter>
Saving Addendum with changes...
Addendum Released.
Enter your Current Signature Code: xxxxxxx (code hidden) SIGNATURE VERIFIED..

Press RETURN to continue...<Enter>
```

Review Progress Notes

This option allows clinicians to get immediately to a patient's list of notes, without preliminary prompts for selection criteria. It's particularly useful for when physicians are seeing patients in clinics and want to pull up their records quickly, as they are able to do with Progress Notes 2.5 (frequently accessed through OE/RR 2.5). Note that the actions below the black bar look more like OE/RR (and CPRS) actions than the ones you'll see in other TIU options.

1. **Select Review Progress Notes from your Progress Notes or OE/RR menu**, whichever one you commonly use. Then enter the name of the patient you are seeing.

```
Select Progress Notes User Menu Option: 2b  Review Progress Notes
Select PATIENT NAME: TIUPATIENT,ONE TIUPATIENT,ONE       09-12-44     666233456
YES
  SC VETERAN
            (2 notes)  C: 02/24/97 08:44
            (1 note )  W: 02/21/97 09:19
                       A: Known allergies
            (2 notes)  D: 03/25/97 08:57
Searching for the progress notes.
```

2. **A screen with a list of notes for your patient is displayed.** Items with the plus symbol (+) have addenda. You can look at details of any of the notes shown (by selecting the Browse or Detailed Display action), create a new note, make an addendum, sign a note, or perform any of the other actions listed below (as well as hidden actions).

```
Progress Notes            May 31, 1997 14:20:10         Page:   1 of   1
<CWAD>                      P R O G R E S S   N O T E S    Last 15 note(s)
TIUPATIENT,O     666-23-3456                          SEP 12,1944 (52)
       Title                    Author           Date/Time
1   Adverse React/Allergy      TIUPROVIDER,FIV 05/27/97 00:00     compl
2   Adverse React/Allergy      TIUPROVIDER,ONE 05/20/97 17:18     compl
3   CRISIS NOTE                TIUPROVIDER,THR 05/20/97 17:01     compl
4   Adverse React/Allergy      TIUPROVIDER,SEV 05/20/97 11:23     compl
5   GENERAL NOTE               TIUPROVIDER,SEV 05/20/97 11:21     compl
6   CARDIOLOGY NOTE            TIUPROVIDER,SEV 05/20/97 10:56     compl
7   Adverse React/Allergy      TIUPROVIDER,FIV 04/21/97 16:02     compl
8   Adverse React/Allergy      TIUPROVIDER,FIV 04/15/97 06:23     compl
9   CARDIOLOGY NOTE            TIUPROVIDER,FIV 04/11/97 12:09     compl
10  CRISIS NOTE                TIUPROVIDER,FIV 04/11/97 09:09     compl

+ Next Screen      - Prev Screen         ?? More Actions
NW   New Note           SS   Select Search        IN   Interdiscipl'ry Note
B    Browse             RS   Reset to All Signed  EE   Expand/Collapse Entry
PC   Print Copy         AD   Make Addendum        Q    Quit
SP   Select New Patient $    Complete Note(s)
Select Action: Quit// B   BROWSE
```

3. If you select the action Browse, you can see more details of a note.

```
Select Action: Next Screen// b   Browse
Select Progress Note(s):  (1-15): 1

Reviewing Item #1

Opening Adverse React/Allergy record for review...
```

```
Browse Document            May 31, 1997 14:29:07          Page:  1 of    1
                              Adverse React/Allergy
TIUPATIENT,O   666-23-3456  GENERAL MEDICINE   Visit Date: 04/18/96@10:00
_____________________________________________________________________________

DATE OF NOTE: MAY 27, 1997           ENTRY DATE: MAY 27, 1997@12:15:13
      AUTHOR: TIUPROVIDER,ONE        EXP COSIGNER:
     URGENCY:                            STATUS: COMPLETED

Another test...is the antibiotic working?


/es/ ONE TIUPROVIDER, MD
PGY2 Resident
Signed: 05/27/97 12:21
```

```
+ Next Screen  - Prev Screen  ?? More actions
     Find                    Sign/Cosign              Link ...
     Print                   Copy                     Encounter Edit
     Edit                    Identify Signers         Interdiscipl'ry Note
     Make Addendum           Delete                   Quit
Select Action: Quit//
```

☞ **NOTE:** **When reviewing several notes sequentially, the up-arrow (^) entry takes you to the next note. To exit from the review, enter two up-arrows (^^).**

Review Progress Notes, cont'd

4. If you select the action Detailed Display, you can see even more details of a note. Enter DT for Detailed Display. Detailed Display is a "hidden action," an action that appears when you enter two question marks.

```
Select Action: Next Screen// det   Detailed Display
Select Progress Note(s):  (1-15): 1

Reviewing #1
Opening Adverse React/Allergy record for review........
```

```
Detailed Display           May 31, 1997 13:36:09       Page:    1 of    2
                            Adverse React/Allergy
TIUPATIENT,O   666-23-3456                     Visit Date: 04/18/96@10:00

 Source Information
  Reference Date: MAY 27, 1997@10:44:19            Author: TIUPROVIDER,ONE
      Entry Date: MAY 27, 1997@10:44:19        Entered By: jg
 Expected Signer: TIUPROVIDER,EIGHT     Expected Cosigner: None
         Urgency: None                    Document Status: COMPLETED
      Line Count: 46                       TIU Document #: 1132
        Division: ISC-SLC-A4               VBC Line Count: 56.25
         Subject: None

  Associated Problem    No linked problems.

  EEdit Information
       Edit Date: JAN 17, 1997@10:45:08         Edited By: TIUPROVIDER,EIGHT

  Reassignment History Document Never Reassigned.
+ Next Screen  - Prev Screen  ?? More actions
     Find                      Print                     Quit
Select Action: Next Screen// <Enter>
```

```
Detailed Display         May 31, 1997 13:37:40         Page:    2 of    2
                            Adverse React/Allergy
TIUPATIENT,O   666-23-3456                     Visit Date: 04/18/96@10:00
+
Signature Information
     Signed Date: MAY 27, 1997@10:45:17         Signed By: TIUPROVIDER,ONE
                                          Signature Mode: ELECTRONIC
   Cosigned Date: None                       Cosigned By: None
                                        Cosignature Mode: None
Document Body
Mr. TIUPATIENT'S allergies improved with medication.

06/08/97 ADDENDUM:
Improvement was temporary; patient relapsed after a few days.
     SIXTEEN TIUPROVIDER
    + Next Screen  - Prev Screen  ?? More actions
     Find                      Print                     Quit
Select Action: Quit//
```

5. If you select the action Select Search, you can narrow your view to a specific context of notes: signed, unsigned, by author, or by a date or date range.

```
Progress Notes                May 31, 1997 14:20:10     Page:    1 of    1
<CWAD>                      P R O G R E S S   N O T E S     Last 15 note(s)
TIUPATIENT,O   666-23-3456                                 SEP 12,1944 (52)
     Title                        Author           Date/Time
1    Adverse React/Allergy        TIUPROVIDER,N    05/27/97 00:00     compl
2    Adverse React/Allergy        TIUPROVIDER,N    05/20/97 17:18     compl
3    CRISIS NOTE                  TIUPROVIDER,N    05/20/97 17:01     compl
4    Adverse React/Allergy        TIUPROVIDER,N    05/20/97 11:23     compl
5    GENERAL NOTE                 TIUPROVIDER,N    05/20/97 11:21     compl
6    CARDIOLOGY NOTE              TIUPROVIDER,N    05/20/97 10:56     compl
7    Adverse React/Allergy        TIUPROVIDER,T    04/21/97 16:02     compl
8    Adverse React/Allergy        TIUPROVIDER,T    04/15/97 06:23     compl
9    CARDIOLOGY NOTE              TIUPROVIDER,T    04/11/97 12:09     compl
10   CRISIS NOTE                  TIUPROVIDER,T    04/11/97 09:09     compl

+ Next Screen  - Prev Screen  ?? More actions
NW   New Note              SP   Select New Patient   AD   Make Addendum
B    Browse                SS   Select Search        $    Complete Note(s)
PC   Print Copy            RS   Reset to All Signed  Q    Quit
Select Action: Quit// ss
  Select Search
```

```
Valid selections are:
  1 - signed notes (all)   2 - unsigned notes       3 - uncosigned notes
  4 - signed notes/author  5 - signed notes/dates

Select context: 1// 2   UNSIGNED NOTES
```

```
Progress Notes          May 31, 1997 14:20:10              Page:    1 of    1
<CWAD>                      P R O G R E S S   N O T E S            1 note(s)
TIUPATIENT,O   666-23-3456        1A/A-2                    SEP 12,1944 (52)
       Title                          Author           Date/Time
1      Adverse React/Allergy          TIUPROVIDER,N        05/31/97 15:51
unsig

          + Next Screen  - Prev Screen  ?? More Actions
NW   New Note              SP   Select New Patient   AD   Make Addendum
B    Browse                SS   Select Search        $    Complete Note(s)
PC   Print Copy            RS   Reset to All Signed  Q    Quit
Select Action: Quit//
```

All MY UNSIGNED Progress Notes

When you select this option, the program retrieves all your unsigned progress notes for review, edit, or signature.

Steps to use option:

1. Select *All My Unsigned Progress Notes* from the Clinician's Progress Notes Menu.

2. The list is then displayed, from which you can choose any of the listed actions.

```
My UNSIGNED Progress Notes   Oct 25, 1996 11:33:52       Page:  1 of  1
            by AUTHOR (TIUPROVIDER,ONE) or EXPECTED COSIGNER 2 documents
     Patient             Document                    Ref Date    Status
1    TIUPATIENT(D3456) Psychology - Crisis           10/25/96  unsigned
2    TIUPATIENT(D3456) Addendum to Lipid Clinic      10/25/96  unsigned
```

```
         + Next Screen  - Prev Screen  ?? More Actions            >>>
     Find                    Sign/Cosign           Change View
     Add Document            Detailed Display      Copy
     Edit                    Browse                Delete Document
     Make Addendum           Print                 Quit
     Link ...                Identify Signers
Select Action: Quit// s   Sign/Cosign
Select Progress Note(s):  (1-2): 1
Opening Psychology - Crisis record for review...
```

```
SIGN/COSIGN              Oct 25, 1996 11:34:21             Page:1 of   1
                                Psychology - Crisis
TIUPATIENT,ONE 666-23-3456   2B         Visit Date: 10/25/96@11:32

DATE OF NOTE: OCT 25, 1996@11:32:55 ENTRY DATE: OCT 25, 1996@11:32:55
      AUTHOR: TIUPROVIDER,ONE            EXP COSIGNER:
     URGENCY:                            STATUS: UNSIGNED

Six-month follow-up visit. Patient continues to improve; no change
in treatment required.
```

```
          + Next Screen  - Prev Screen  ?? More Actions
     Print                                                  No
Ready for Signature: NO// y   Yes
Item #: 1 Added to signature list.

Enter your Current Signature Code: xxxxxxx (code hidden) SIGNATURE VERIFIED..
```

Show Progress Notes Across Patients

This option allows you to search for and review progress notes by many different criteria: status, type, date range, and cateogory. By different combinations of these criteria, you can see almost any view of your progress notes you could want.

☞ **NOTE:** **Use caution in how broad your search is (date range, # of patients, etc.), because searches for a lot of documents can be very system-intensive, slowing down response time for everyone.**

Steps to use option:

1. Select *Show Progress Notes Across Patients* from the Clinician's Progress Notes Menu.

2. Select one of the following status(es) of progress notes:

- undictated
- untranscribed
- unreleased
- unverified
- unsigned
- uncosigned
- completed
- amended
- retracted

3. Select one of the following Progress Note Types.

- Advance Directive
- Adv React/Allergy
- Crisis Note
- Clinical Warning
- Historical Titles

4. Select one or more of the following search categories:

```
1    All Categories       6    Patient              11   Transcriptionist
2    Author               7    Problem              12   Treating Specialty
3    Division             8    Service              13   Visit
4    Expected Cosigner    9    Subject
5    Hospital Location    10   Title
```

5. Select the range of dates to include.

6. The notes meeting the criteria you selected are displayed.

```
UNSIGNED Progress Notes   Jun 18, 1997 09:19:20        Page:  1 of  1
          by AUTHOR from 06/15/96 to 06/18/97         2 documents
     Patient            Document                Ref Date       Status
1    TIUPATIENT,(R0482) Clinical Warning        06/14/97    unsigned
2    TIUPATIENT,(D4029) Crisis Note             06/14/97    unsigned

      + Next Screen  - Prev Screen  ?? More Actions              >>>
     Find                Sign/Cosign              Change View
     Add Document        Detailed Display         Copy
     Edit                Browse                   Delete Document
     Make Addendum       Print                    Quit
     Link ...            Identify Signers
```

```
Select Action: Quit//
```

Progress Notes Print Options

See Chapter 8 for examples and further descriptions of these options.

Option	Description
Author– Print Progress Notes	This option produces chart or work copies of progress notes for an author for a selected date range.
Location– Print Progress Notes	This option prints chart or work copies of progress notes for all patients who were at a specific location when the notes were written. The patients whose progress notes are printed on this report may not still be at that location. If Chart is selected, each note will start on a new page.
Patient– Print Progress Notes	This option prints or displays progress notes for a selected patient by selected date range.
Ward– Print Progress Notes	This option allows you to print progress notes for all patients who are now on a ward for a selected date range. This option is only for ward locations. **NOTE:** This option only prints to a printer, not to your computer screen.

List Notes by Title

This option allows you to look up progress notes by title within a specified date range. You can then take any of the usual actions on these notes.

Steps to use option:

1. Select *List Notes by Title* from the Clinician's Progress Notes Menu. Select the titles (one or more) of progress notes to search for.

```
Select Progress Notes User Menu Option: 6  List Notes By Title
Please Select the PROGRESS NOTES TITLES to search for:
  1) ??
Answer with TIU DOCUMENT DEFINITION NAME, or ABBREVIATION, or
     PRINT NAME
 Do you want the entire TIU DOCUMENT DEFINITION List? y  (Yes)
Choose from:
   ADMISSION ASSESSMENT      TITLE
   ADVANCE DIRECTIVE      TITLE
   ADVERSE REACTION/ALLERGY      TITLE
   CLINICAL WARNING      TITLE
   CRISIS NOTE      TITLE
   FINAL DISCHARGE NOTE      TITLE
   GENERAL NOTE      TITLE
   PATIENT EDUCATION      TITLE
Please Select the Progress Notes TITLES to search for:
  1)  ADVERSE REACTION/ALLERGY          TITLE
  2)  CLINICAL WARNING          TITLE
  3) <Enter>
```

2. Enter a beginning and ending date range to choose documents from. The selected documents are displayed.

```
Start Reference Date [Time]: T-2// t-10  (MAR 01, 1997)
Ending Reference Date [Time]: NOW// <Enter>  (MAR 11, 1997@09:10)
Searching for the documents.........
```

```
Progress Notes by Title  Mar 11, 1997 09:10:09     Page:    1 of    1
                     from 03/01/97 to 03/11/97            8 documents
     Patient           Document                 Ref Date  Status
1    TIUPATIENT(H2591) Adverse React/Allergy    03/05/97  unsigned
2    TIUPATIENT(D3456) Adverse React/Allergy    03/05/97  completed
3    TIUPATIENT(R1239) CLINICAL WARNING         03/05/97  completed
4    TIUPATIENT(H2591) Adverse React/Allergy    03/11/97  completed

+ Next Screen  - Prev Screen  ?? More Actions                 >>>
  Find             Sign/Cosign         Change View
  Add Document     Detailed Display    Copy
  Edit             Browse              Delete Document
  Make Addendum    Print               Quit
  Link ...         Identify Signers
Select Action: Quit//
```

3. You may now choose an action such as Edit, Sign/Cosign, Make Addendum or Detailed Display.

```
Progress Notes by Title  Mar 11, 1997 09:10:09      Page:    1 of    1
                      from 03/01/97 to 03/11/97             8 documents
     Patient            Document                  Ref Date   Status
1    TIUPATIENT(H2591) Adverse React/Allergy     03/05/97   unsigned
2    TIUPATIENT(D3456) Adverse React/Allergy     03/05/97   completed
3    TIUPATIENT(R1239) CLINICAL WARNING          03/05/97   completed
4    TIUPATIENT(H2591) Adverse React/Allergy     03/11/97   completed
5    TIUPATIENT(H2591) Adverse React/Allergy     03/10/97   completed
6    TIUPATIENT(S1462) CLINICAL WARNING          03/04/97   uncosigned
7    TIUPATIENT(P4365) Adverse React/Allergy     03/04/97   completed
8    TIUPATIENT(N1234) Adverse React/Allergy     03/06/97   completed

+ Next Screen  - Prev Screen  ?? More Actions                >>>
  Find              Sign/Cosign          Change View
  Add Document      Detailed Display     Copy
  Edit              Browse               Delete Document
  Make Addendum     Print                Quit
  Link ...          Identify Signers
Select Action: Quit//   DET=3
```

4. A detailed display of the note you chose appears on your screen.

```
Detailed Display          Mar 11, 1997 09:21:40       Page: 1 of    2
                              CLINICAL WARNING
TIUPATIENT,NINE   666-12-1239                  Visit Date: 02/04/97@13:00

 Source Information
  Reference Date: MAR 05, 1997@14:50:17            Author: TIUPROVIDER,ONE
      Entry Date: MAR 05, 1997@14:50:18        Entered By: DP
 Expected Signer: TIUPROVIDER,FIFTEEN     Expected Cosigner: None
         Urgency: None                     Document Status: COMPLETED
      Line Count: 46                         TIU Document #: 27752
        Division: ISC-SLC-A4                 VBC Line Count: 56.25
         Subject: None

 Associated Problems   No linked problems.

  Edit Information
       Edit Date: MAR 05, 1997@14:50:41    Edited By: TIUPROVIDER,FIFTEEN

  Signature Information
+          + Next Screen  - Prev Screen  ?? More actions
     Find                      Print                     Quit
Select Action: Next Screen//
```

Search by Patient AND Title

This option allows you to search for and review progress notes by patient, as well as many other criteria: status, type, date range, and category. You can then take any of the usual actions on these notes.

Steps to use option:

1. Select the *Search by Patient AND Title* option from the Progress Notes User Menu.

2. Select a Patient.

```
Select Progress Notes User Menu Option: Search by Patient AND Title
Select PATIENT NAME: TIUPATIENT,ONE TIUPATIENT,ONE  09-12-44  666233456     YES
SC VETERAN
            (1 note )  C: 07/22/91 11:27
            (1 note )  W: 07/22/91 11:34
                       A: Known allergies
            (1 note )  D: 04/01/92 10:58
```

If the patient has Cautions, Warnings, Allergies, or Directives (CWAD), they are displayed here.

3. Type in one or more Progress Note Titles to search for.

```
Please Select the PROGRESS NOTE TITLES to search for:
  1)  Lipid CLINIC          TITLE
  2)  Diabetes EDUCATION          TITLE
  3) <Enter>

 Start Reference Date [Time]: T-2// <Enter> (SEP 10, 1996
Ending Reference Date [Time]: NOW//<Enter>  (SEP 12, 1996@11:06)
Searching for the documents...
```

4. A list is displayed of all notes that meet the criteria you specified.

```
ALL Progress Notes     Sep 12, 1996 11:06:24          Page:    1 of    1
                  by PATIENT from 07/14/96 to 09/12/96       2 documents
     Patient              Document                   Ref Date     Status
1    TIUPATIENT,(D3456)   Diabetes Education         09/12/96   completed
2    TIUPATIENT,(D3456)   Addendum to Diabetes Edu   09/09/96   unsigned



       + Next Screen  - Prev Screen  ?? More Actions           >>>
  Find             Sign/Cosign         Change View
  Add Document     Detailed Display    Copy
  Edit             Browse              Delete Document
  Make Addendum    Print               Quit
  Link ...         Identify Signers
Select Action: Quit// <Enter>
```

Progress Notes Statuses and Actions

Statuses

Status	Description
Amended *	The document has been completed and a privacy act issue has required its amendment. By design, only the following user classes are allowed to amend a note: CHIEF, MIS CHIEF, HIM PRIVACY ACT OFFICER
Completed *	The document has acquired all necessary signatures and is legally authenticated.
deleted	Status DELETED is no longer operable. Before status RETRACTED was introduced deleting a document removed the text of the document leaving a stub with status DELETED.
Retracted *	When a signed document is reassigned, amended, or deleted, a retracted copy of the original is kept for audit purposes.
Uncosigned *	The document is complete with the exception of cosignature (e.g., by a supervisor).
undictated	The document is required and a record has been created in anticipation of dictation and transcription, but the system has not yet been informed of its dictation.
unreleased	The document is in the process of being entered into the system, but has not yet been released by the originator (i.e., the person who entered the text directly online).
unsigned	The document is online in a draft state, but the author hasn't signed.
untranscribed	The document is required and the system has been informed of its dictation, but the transcription hasn't been entered or received by upload.
unverified	The document has been released or uploaded, but must be verified before the document may be displayed.

* As of TIU*1*234, documents of these statuses (i.e., signed documents) cannot be edited regardless of business rules.

☞ **NOTE:**

+ = a report has addenda.
***** = priority (STAT) document.

Progress Note Actions

```
Find                    Sign/Cosign             Change View
Add Document            Detailed Display        Copy
Edit                    Browse                  Delete Document
Make Addendum           Print                   Quit
Link ...                Identify Signers
```

Action	Description
Find	Allows you to search a list of documents for a text string (word or partial word) from the current position to the end of the list.
Add Document	Allows you to add a new Progress Note.
New Note	Same as Add Document, used in CPRS contexts.
Edit	Allows authorized users to edit selected documents online.
Make Addendum	Allows authorized users to add addenda to selected documents online. Physicians will be prompted for their signatures upon exit.
Link	Allows you to link documents to either problems, visits, or other documents. Such associations permit a variety of clinically useful "views" of the online record.
Sign/Cosign	Allows clinicians to electronically sign selected discharge summaries or addenda. NOTE: Electronic signature carries the same legal ramifications that wet signature of a hard-copy discharge summary carries. You are advised to carefully review each discharge summary for content and accuracy before exercising this option.
Detailed Display	Displays the report type, patient, urgency, line count, VBC line count, author, attending physician, transcriptionist, and verifying clerk, and also admission, discharge, dictation, transcription, signature, and amendment dates.
Browse	Allows you to browse through Documents from the Review Screen, by scrolling sequentially through the selected documents and their addenda. You can search for a word or phrase, or print draft copies.
Print	Allows you to print copies of VAF 10-1000 for selected summaries.
Identify Signers	Allows authorized users to identify additional signers for a document.
Change View	Allows you to change the displayed reports to signature status, review screen, or dictation date range.
Copy	Allows authorized users to copy one or more documents to other patients and encounters. This is particularly useful when documenting group sessions, etc.
Delete Document	Allows the author to delete an unsigned document. In rare cases, a signed document can be deleted but a copy is kept as a retracted document.
Change Title	This action on the "hidden" list allows you to change a Title for a Progress Note (e.g., CWAD Notes) to another Title.
Quit	Allows you to quit the current menu level.

Interdisciplinary Notes

Interdisciplinary Notes are a new feature of Text Integration Utilities (TIU) for expressing notes from different care givers as a single episode of care. They always start with a single note by the initial contact person (e.g., triage nurse, attending) and continue with separate notes created and signed by other providers and attached to the original note.

To accomplish this, your facility must:

1. Set up note titles for the initiating note and the attachment notes—also called parent note and child notes.

2. Use version 15 of the CPRS Windows (GUI) interface or later.

The *Text Integration Utilities (TIU) Implementation Guide* contains a new appendix, Appendix C, that describes in detail the technical aspects of setting up Interdisciplinary Notes.

The rest of this section shows the actions Interdisciplinary Notes using Version 15 of the CPRS Windows interface.

The Parent Note

You start any interdisciplinary note with a parent note. A parent is a note title that includes an ASU (Authorization/Subscription Utility) rule allowing attachments. Your facility should have set up these titles with unique names that allow you to easily identify them.
Only certain members of your team should start Interdisciplinary Notes. To establish a parent note for a patient and a specific episode of care, all they do is create a note with the proper title, and sign it.

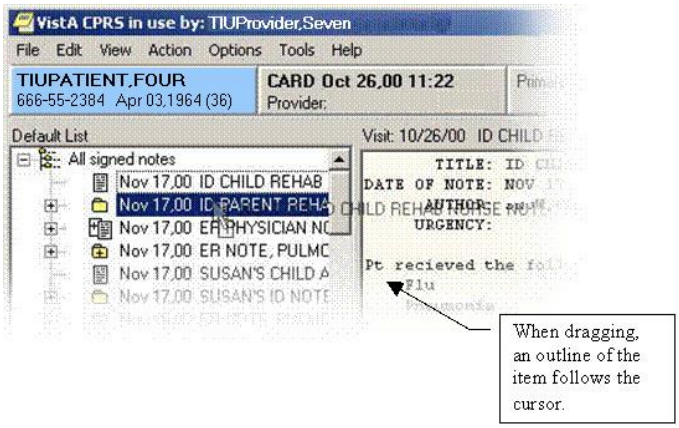
The Child Note(s)

Continue an interdisciplinary note by attaching one or more child notes to the parent note. The intention is for each child note to be by a different provider involved in this episode of care. Again your facility has established a number of notes with unique titles to act as child notes.

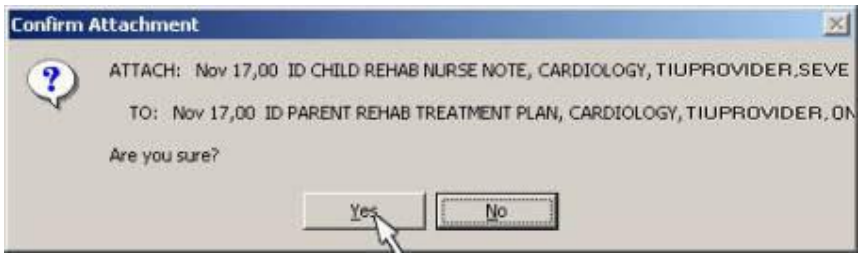
Interdisciplinary Notes, cont'd

Previously created note attachments are made to the parent node by dragging and dropping. (Dragging and dropping may be a new concept to you. To drag and drop:

1. Point the cursor at the child note.
2. Hold down the left mouse button.
3. Move the cursor over the parent note. A ghost of the child note title will follow the cursor.
4. Release the left mouse button.



The following dialog appears to confirm the attachment:

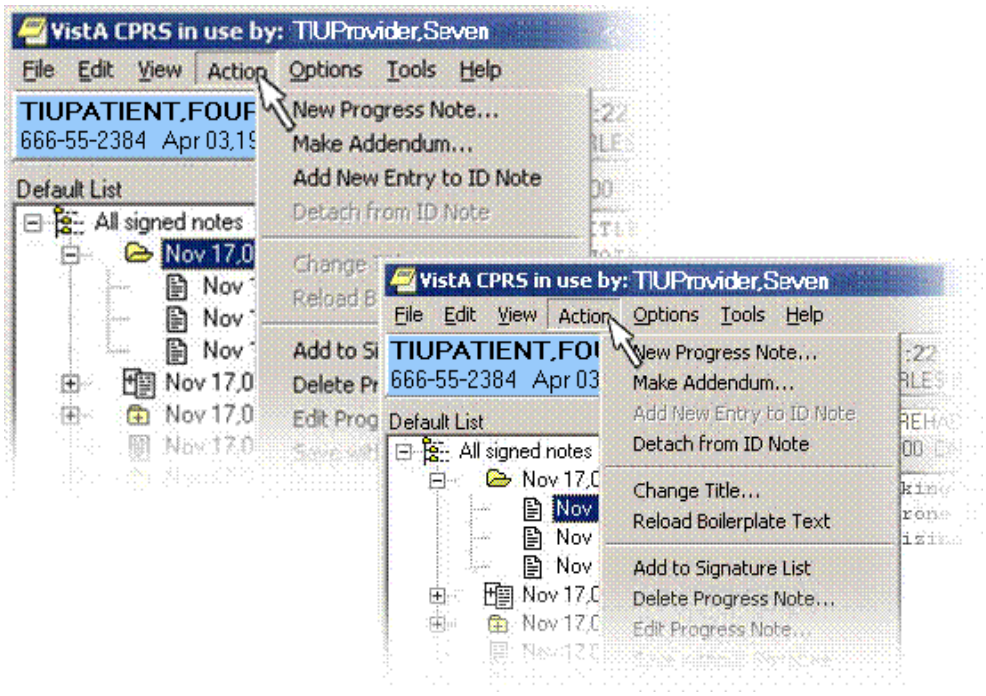


Menu Actions

There are two Interdisciplinary Note specific menu commands in the CPRS Windows interface. They are:

- Add New Entry to ID Note
- Detach from ID Note

These commands become active (usable) when the correct kind of note is selected as in these illustrations:



In the first case, the parent note has been selected. In this case, you can add a new note to the Interdisciplinary Note without having to later attach it (via drag and drop).
In the second case, one of the child notes has been selected. In this case, you can detach this note from the parent.

The Display

CPRS displays all notes in the Interdisciplinary Note reference date order unless one of the child notes is selected. In this case, CPRS displays the child note, then it displays all the notes in the Interdisciplinary Note reference date order; repeating the current note. In all other respects, the format of the display is the same as a regular note.
The display of unsigned notes depends upon the business rules in effect at your site. These rules may allow you to view the unsigned child notes of other providers in the context of an Interdisciplinary Note. This is up to your local authorities.

Meaning of Icons

In the CPRS Windows interface, notes are listed in a tree-structured arrangement. This is intended to graphically show a number of things:

1. Signed and Unsigned notes.
2. Notes with an addendum attached.
3. Interdisciplinary notes.
4. Regular notes.

The meaning of the various icons is:

Icon	Meaning
	A list of notes, either signed or unsigned.
	An Interdisciplinary Note. The open folder indicates that all the children are listed.
	A child to an Interdisciplinary Note.
	A regular note, or a child note that has not yet been attached to a parent.
	The plus sign indicates an addendum is present.
	An addendum

In the List Manager interface, similar devices are used to indicate the type of note:

Symbol	Meaning
(Nothing)	A regular note, or a child note that has not yet been attached to a parent.
<	An Interdisciplinary Note parent.
>	An Interdisciplinary Note child.
+	An addendum is present.
+<	An Interdisciplinary Note with one or more addendum present. The addenda may be in the child note(s).
+>	An Interdisciplinary Note child with one or more addendum present.

LM Considerations

CPRS

Interdisciplinary Notes are not supported in the List Manager (LM) interface of CPRS with the following exception: Interdisciplinary Notes are viewed and printed just as other notes supported by TIU.

TIU

To access the full range of Interdisciplinary Notes features, use the **Progress Note User Menu** and choose exported option **2b, Review Progress Notes.**

The IN (Interdiscipl'ry Note) action is the universal action for operations on Interdisciplinary Notes. You should select a note before selecting this menu option. If the note selected is a parent note, it will prompt you to enter a child of this note. If the note selected is an unattached child note, it will prompt you to select the parent that goes with it.

In this example, a new child note is added to an existing parent note:

```
Progress Notes                    Feb 14, 2001@15:09:32        Page:    1 of    6
 <DA>                        P R O G R E S S   N O T E S                 74 note(s)
 TIUPATIENT,FOUR     666-55-2384                              MAR 3,1960 (40)
        Title                              Author       Date/Time
 1      - ID PARENT NINE                   TIUPROVIDER, 02/14/01 08:15    compl
 2        |_ID CHILD OCCUPATIONAL THER     TIUPROVIDER, 02/14/01 08:16    compl
 3      ER NOTE                            TIUPROVIDER, 02/14/01 08:14    compl
 4      - ID PARENT REHAB TREATMENT PL     TIUPROVIDER, 02/08/01 08:26    compl
 5        |_- ID CHILD REHAB INITIAL A     TIUPROVIDER, 02/08/01 13:29    compl
 6        |   |_Addendum to ID CHILD R     TIUPROVIDER, 02/14/01 08:11    compl
 7        |_ID CHILD REHAB PSYCHOLOGY      TIUPROVIDER, 02/09/01 09:13    compl
 8      - ANGIOPLASTY NOTE                 TIUPROVIDER, 01/08/01 13:16    compl
 9        |_Addendum to ANGIOPLASTY NO     TIUPROVIDER, 02/14/01 08:13    compl
 10     ID CHILD AMY                       TIUPROVIDER, 01/08/01 13:14    compl
 11     ID ANY CHILD NOTE                  TIUPROVIDER, 01/02/01 07:52    compl
 12     SEVEN'S CHILD SIX                  TIUPROVIDER, 12/28/00 13:49    compl
 13     SEVEN'S CHILD FIVE                 TIUPROVIDER, 12/28/00 13:48    compl
 14     +< SEVEN'S ID NOTE                 TIUPROVIDER, 12/28/00 13:31    compl
 +          + Next Screen  - Prev Screen  ?? More Actions
 NW   New Note            SS   Select Search        IN   Interdiscipl'ry Note
 B    Browse              RS   Reset to All Signed EE   Expand/Collapse Entry
 PC   Print Copy          AD   Make Addendum        Q    Quit
 SP   Select New Patient   $    Complete Note(s)
 Select Action: Next Screen// IN
```

```
To ADD a new entry to an interdisciplinary note, please select the
 interdisciplinary note.
   To ATTACH an existing stand-alone note to an interdisciplinary note,
 please select the note you want to attach.
 Select Progress Note:  (1-14): 4
Are you adding a new interdisciplinary entry to this note? YES// <Enter>
Adding a new interdisciplinary entry to
 ID PARENT REHAB TREATMENT PLAN

 Please select a title for your entry:
 TITLE: ??
 Choose from:
    ER NURSE NOTE        TITLE
    ER PHYSICIAN NOTE        TITLE
    OCCUPATIONAL THERAPY CHILD NOTE        TITLE
    REHAB CHILD DISCHARGE PLANNING NOTE        TITLE
    REHAB CHILD INITIAL ASSESSMENT NOTE        TITLE
    REHAB CHILD NURSE NOTE        TITLE
    REHAB CHILD PHARMACY NOTE        TITLE
    REHAB CHILD PHYSICAL THERAPY NOTE        TITLE
    REHAB CHILD PSYCHOLOGY NOTE        TITLE
                    ^
 TITLE: REHAB CHILD PHYSICAL THERAPY NOTE       TITLE

 Enter/Edit PROGRESS NOTE...
           Patient Location:  PULMONARY CLINIC
         Date/time of Visit:  02/08/01 08:26
          Date/time of Note:  NOW
             Author of Note:  TIUPROVIDER,TWENTY ONE
...OK? YES// <Enter>
Calling text editor, please wait...
   1>The Pt is doing very well ...
   2>
 EDIT Option: <Enter>
```

```
 Saving ID CHILD REHAB PHYSICAL THERAPY NOTE with changes...
Enter your Current Signature Code: ********
```

```
Progress Notes                Feb 14, 2001@16:05:36       Page:    1 of    6
 <DA>                       P R O G R E S S   N O T E S              74 note(s)
 TIUPATIENT,FOUR     666-55-2384                              MAR 3,1960 (40)
        Title                            Author          Date/Time
 1      - ID PARENT NINE                 TIUPROVIDER,  02/14/01 08:15    compl
 2        |_ID CHILD OCCUPATIONAL THER  TIUPROVIDER,  02/14/01 08:16    compl
 3      ER NOTE                          TIUPROVIDER,  02/14/01 08:14    compl
 4      - ID PARENT REHAB TREATMENT PL   TIUPROVIDER,  02/08/01 08:26    compl
 5        |_+ ID CHILD REHAB INITIAL A  TIUPROVIDER,  02/08/01 13:29    compl
 6        |_ID CHILD REHAB PSYCHOLOGY   TIUPROVIDER,  02/09/01 09:13    compl
 7        |_ID CHILD REHAB PHYSICAL TH  TIUPROVIDER,  02/14/01 16:02    compl
 8      - ANGIOPLASTY NOTE               TIUPROVIDER,  01/08/01 13:16    compl
 9        |_Addendum to ANGIOPLASTY NO  TIUPROVIDER,  02/14/01 08:13    compl
 10     ID CHILD ONE                     TIUPROVIDER,  01/08/01 13:14    compl
 11     ID ANY CHILD NOTE                TIUPROVIDER,  01/02/01 07:52    compl
 12     SEVEN'S CHILD SIX                TIUPROVIDER,  12/28/00 13:49    compl
 13     SEVEN'S CHILD FIVE               TIUPROVIDER,  12/28/00 13:48    compl
 14     +< SEVEN'S ID NOTE               TIUPROVIDER,  12/28/00 13:31    compl
 +          ** Entry attached **
 NW   New Note           SS   Select Search       IN   Interdiscipl'ry Note
 B    Browse             RS   Reset to All Signed EE   Expand/Collapse Entry
 PC   Print Copy         AD   Make Addendum       Q    Quit
 SP   Select New Patient   $    Complete Note(s)
 Select Action: Next Screen//
```

Discharge Summary

Clinicians can review, enter, print, and sign discharge summaries, either by individual patient or by multiple patients.

Clinician's Discharge Summary Menu

Option	Description
Individual Patient Discharge Summary	This option allows you to review, edit, or sign a patient's discharge summaries.
All MY UNSIGNED Discharge Summaries	This option shows you all unsigned discharge summaries for you to review, edit, or sign. You must have signing or cosigning privileges to sign or cosign, based on your document definition, user class status, and business rules governing these actions. See your Clinical Coordinator if you have any problems or questions.
Multiple Patient Discharge Summaries	This option shows you discharge summaries for selected statuses, types, and categories, which you can then review, edit, and/or sign.

Individual Patient Discharge Summary

This option allows you to review, edit, or sign a patient's discharge summaries.

Steps to use option:

1. Select *Individual Patient Discharge Summary* from your TIU menu, then select a patient.

```
Select Discharge Summary User Menu Option:  Individual Patient Discharge
Summary
Select PATIENT NAME: TIUPATIENT,ONE TIUPATIENT,ONE 09-12-44   666233456   YES
SC VETERAN
            (2 notes)  C: 05/28/96 12:37
            (2 notes)  W: 05/28/96 12:33
                       A: Known allergies

Available summaries:  02/12/96 thru 02/12/96  (1)
```

If the patient has any CWAD (Crisis, Warning, Allergies, and Directives) notes, they are displayed here.

2. Enter a date range to select summaries from, then select a summary from the ones displayed. The selected summary is displayed. Then select an action.

```
Browse Document            Jun 26, 1996 14:21:22      Page:    1 of    7
                              Discharge Summary
TIUPATIENT,O  666-23-3456   1A             Adm: 07/22/91  Dis: 02/12/96
   DICT DATE: JUN 09, 1996           ENTRY DATE: JUN 12, 1996@15:07:22
 DICTATED BY: TIUPROVIDER,ONE            ATTENDING: TIUPROVIDER,THREE
     URGENCY: priority                   STATUS: UNSIGNED

DIAGNOSIS:
1.  Status post head trauma with brain contusion.
2.  Status post cerebrovascular accident.
3.  Coronary artery disease.
4.  Hypertension.
+         + Next Screen  - Prev Screen  ?? More actions
    Find                      Make Addendum             Identify Signers
    Print                     Sign/Cosign               Delete
    Edit                      Copy                      Link ...
                                                        Quit
Select Action: Quit// p   Print
DEVICE: HOME//<Enter>  VAX
```

Printed Discharge Summary Example

```
SALT LAKE CITY   priority                        06/26/96 14:24       Page:  1
-------------------------------------------------------------------------------
PATIENT NAME                     | AGE | SEX | RACE |     SSN     | CLAIM
NUMBER
TIUPATIENT,ONE                   |  51 |  M  | MEXI | 666-23-3456 |
-------------------------------------------------------------------------------
  ADM DATE   |  DISC DATE   | TYPE OF RELEASE   | INP | ABS | WARD NO
JUL 22, 1991 | FEB 12, 1996 | REGULAR           |1666 |   0 | 1A
-------------------------------------------------------------------------------
DICTATION DATE: JUN 09, 1996            TRANSCRIPTION DATE: JUN 12, 1996
TRANSCRIPTIONIST: bs

DIAGNOSIS:
1.  Status post head trauma with brain contusion.
2.  Status post cerebrovascular accident.
3.  End stage renal disease on hemodialysis.
4.  Coronary artery disease.
5.  Congestive heart failure.
6.  Hypertension.
7.  Non insulin dependent diabetes mellitus.
8.  Peripheral vascular disease, status post thrombectomies.
9.  Diabetic retinopathy.

OPERATIONS/PROCEDURES:
1. MRI.
2. CT SCAN OF HEAD.

HISTORY OF PRESENT ILLNESS:
Patient is a 49-year-old, white male with past medical history of end stage
renal disease, peripheral vascular disease, status post BKA, coronary artery
disease, hypertension, non insulin dependent diabetes mellitus, diabetic
retinopathy, congestive heart failure, status post CVA, status post
thrombectomy admitted from Anytown VA after a fall from his wheelchair in the
hospital.  He had questionable short-lasting loss of consciousness but patient
is not very sure what has happened.  He denies headache, vomiting, vertigo.
                                                                    D R A F T
Press RETURN to continue or '^' to exit:

SALT LAKE CITY   priority                        06/26/96 14:24       Page:  2
-------------------------------------------------------------------------------
PATIENT NAME                     | AGE | SEX | RACE |     SSN     | CLAIM
NUMBER
TIUPATIENT,ONE                   |  51 |  M  | MEXI | 666-23-3456 |
-------------------------------------------------------------------------------
On admission patient had CT scan which showed a small area of parenchymal
hemorrhage in the right temporal lobe which is most likely consistent with
hemorrhagic contusion without mid line shift or incoordination.

ACTIVE MEDICATIONS:  Isordil 20 mgs p.o. t.i.d., Coumadin 2.5 mgs p.o. qd,
ferrous sulfate 325 mgs p.o. b.i.d., Ativan 0.5 mgs p.o. b.i.d., Lactulose 15
ccs p.o. b.i.d., Calcium carbonate 650 mgs p.o. b.i.d. with food, Betoptic
0.5% ophthalmologic solution gtt OU b.i.d., Nephrocaps 1 tablet p.o. qd,
Pilocarpine 4% solution 1 gtt OU b.i.d., Compazine 10 mgs p.o. t.i.d. prn
nausea, Tylenol 650 mgs p.o. q4 hours prn.

Patient is on hemodialysis, no known drug allergies.
```

Printed Discharge Summary Example cont'd

```
PHYSICAL EXAMINATION:  Patient had stable vital signs, his blood pressure was
160/85, pulse 84, respiratory rate 20, temperature 98 degrees.  Patient was
alert, oriented times three, cooperative.  His speech was fluent,
understanding of spoken language was good.  Attention span was good.  He had
moderate memory impairment, no apraxia noted.  Cranial nerves patient was
blind, pupils are not reactive to light, face was asymmetric, tongue and
palate are mid line.  Motor examination showed muscle tone and bulk without
significant changes.  Muscle strength in upper extremities 5/5 bilaterally,
sensory examination revealed intact light touch, pinprick and vibratory
sensation.  Reflexes 1+ in upper extremities, coordination finger to nose test
within normal limits bilaterally.  Alternating movements without significant
changes bilaterally.  Neck was supple.

LABORATORY:  Showed sodium level 135, potassium 4.6, chloride 96, CO2 26,
BUN 39, creatinine 5.3, glucose level 138.  White blood cell count was 7,
hemoglobin 11, hematocrit 34, platelet count 77.

HOSPITAL COURSE:  Patient was admitted after head trauma with multiple medical
problems.  His coumadin was held.  Patient had cervical spine x-rays which
showed definite narrowing of C5, C6 interspace, slight retrolisthesis at this
level, prominent spurs at this level as well as above and below.  CT scan on
admission showed a moderate amount of scalp thinning with subcutaneous air
overlying the left frontal lobe. The basal cisterns are patent and there
is no mid line shift or uncal herniation.  Patient has also a remote left
posterior border zone infarct with hydrocephalus ex vaccuo of the left
occipital horn, a rather large remote infarct in the inferior portion of the
left cerebellar hemisphere.  He had hemodialysis q.o.d.  He restarted treatment
with Coumadin.  His last PT was 11.9, PTT 31.  Patient refused before
hemodialysis new blood tests.  His condition remained stable.

DISCHARGE MEDICATIONS:  Isordil 20 mgs p.o. t.i.d., Ferrous sulfate 325 mgs
p.o. b.i.d., Ativan 0.5 mgs p.o. b.i.d., Lactulose 15 ccs p.o. b.i.d., Calcium
carbonate 650 mgs p.o. b.i.d., Compazine 10 mgs p.o. t.i.d. prn nausea,
Betoptic 0.5% OU b.i.d., Nephrocaps 1 p.o. qd, Pilocarpine 4% solution 1 gtt
OU b.i.d., Coumadin 2.5 mgs p.o. qd, Tylenol 650 mgs p.o. q6 hours prn pain.

DISPOSITION/FOLLOW-UP:
Recommend follow PT/PTT.  Patient is on coumadin and CBC with differential
because patient has chronic anemia and thrombocytopenia.

Patient will be transferred to Anytown VA in stable condition on 5/19/96.

WORK COPY =========== UNOFFICIAL - NOT FOR MEDICAL RECORD ========== DO NOT
FILE
SIGNATURE PHYSICIAN/DENTIST             SIGNATURE APPROVING PHYSICIAN/DENTIST

THREE TIUPROVIDER, MD                       ONE TIUPROVIDER, MS
PGY2 Resident                            Medical Informaticist

============================ CONFIDENTIAL INFORMATION
============================
```

All MY UNSIGNED Discharge Summaries

This option shows you all unsigned discharge summaries for you to review, edit, or sign. You must have signing or cosigning privileges to sign or cosign, based on your document definition, user class status, and business rules governing these actions. See your Clinical Coordinator if you have any problems or questions about electronic signature or cosigning.

Steps to use option:

1. Select *All MY UNSIGNED Discharge Summaries* from your TIU menu.

2. Your unsigned discharge summaries are displayed.

```
Discharge Summaries      Jun 18, 1996 10:13:45    Page: 1 of   1
    by AUTHOR (TIUPROVIDER,ONE) or EXPECTED COSIGNER  0 documents
     Patient          Document                Ref Date    Status

2 TIUPATIENT,S(T4831) Discharge Summary       03/15/96   uncosig




      + Next Screen  - Prev Screen  ?? More Actions        >>>
     Find                Sign/Cosign             Change View
     Add Document        Detailed Display        Copy
     Edit                Browse                  Delete Document
     Make Addendum       Print                   Quit
     Link ...            Identify Signers
Select Action: Quit// COSIGN
```

3. Select an action such as Sign/Cosign if you are authorized to perform these.

☞ **NOTE:** **You can enter Cosign rather than Sign/Cosign if you want to cosign.**

Multiple Patient Discharge Summaries

This option shows you discharge summaries for selected statuses, types, and categories, which you can then review, edit, and/or sign.

+Caution: Avoid making your requests too broad (in statuses, search categories, and date ranges) because these searches can use a lot of system resources, slowing the computer system down for everyone.

Steps to use option:

1. Select Multiple Patient Discharge Summaries from your TIU menu.

2. Select one or more of the following statuses:

- untranscribed
- unreleased
- unverified
- unsigned
- uncosigned
- completed
- amended
- purged
- deleted

3. Select one of the following search categories:

```
1    All Categories       6    Patient              11   Transcriptionist
2    Author               7    Problem              12   Treating Specialty
3    Division             8    Service              13   Visit
4    Expected Cosigner    9    Subject
5    Hospital Location    10   Title
```

4. Enter a date range.

5. A list is displayed of the summaries that meet your specifications.

```
My UNSIGNED Disch Summaries   Jun 05, 1997 14:02:15     Page: 1 of    1
      by AUTHOR (TIUPROVIDER,ONE) from 05/06/97 to 06/05/97 1 documents
     Patient                Document                 Ref Date    Status
1    + TIUPATIENT,T(T2591) Discharge Summary        06/02/97   UNSIGNED




         + Next Screen  - Prev Screen  ?? More actions
     Find                      Sign/Cosign               Change View
     Add Document              Detailed Display          Copy
     Edit                      Browse                    Delete Document
     Make Addendum             Print                     Quit
     Link ...                  Identify Signers
Select Action: Quit// s
```

6. You can now take an appropriate action on one or all of the summaries.

Discharge Summary Statuses and Actions

Statuses

Status	Description
Amended *	The document has been completed and a privacy act issue has required its amendment. By design, only the following user classes are allowed to amend a Discharge Summary: CHIEF, MIS CHIEF, HIM PRIVACY ACT OFFICER
Completed *	The document has acquired all necessary signatures and is legally authenticated.
deleted	Status DELETED is no longer operable. Before status RETRACTED was introduced deleting a document removed the text of the document leaving a stub with status DELETED.
Retracted *	When a signed document is reassigned, amended, or deleted, a retracted copy of the original is kept for audit purposes.
uncosigned *	The document is complete with the exception of cosignature (i.e., by the supervisor).
undictated	The document is required and a record has been created in anticipation of dictation and transcription but the system has not yet been informed of its dictation.
unreleased	The document is in the process of being entered into the system but has not yet been released by the originator (i.e., the person who entered the text directly online).
unsigned	The document is online in a draft state but the author hasn't signed.
untranscribed	The document is required and the system has been informed of its dictation but the transcription hasn't been entered or received by upload.
unverified	The document has been released or uploaded but must be verified before the document may be displayed.

* As of TIU*1*234, documents of these statuses (i.e., signed documents) cannot be edited regardless of business rules.

Actions

```
Find                    Sign/Cosign             Change View
Add Document            Detailed Display        Copy
Edit                    Browse                  Delete Document
Make Addendum           Print                   Quit
Link ...                Identify Signers
```

Actions	Description
Add Document	Enter a new Document.
Change View	Allows you to modify the list of reports by signature status, review screen, and dictation date range without exiting the review screen.
Copy	Allows authorized users to duplicate the current document. This is especially useful when composing a note for a group of patients (e.g., therapy group) and rapid duplication to all members of the group is appropriate.
Delete Document	Allows the author to delete an unsigned document. In rare cases, a signed document can be deleted but a copy is kept as a retracted document.
Detailed Display	Displays the report type, patient, urgency, line count, VBC line count, author, attending physician, transcriptionist, and verifying clerk, in addition to the admission, discharge, dictation, transcription, signature and amendment dates, without showing the narrative report text.
Edit	Allows authorized users to edit the current document online. When electronic signature is enabled, physicians will be prompted for their signatures upon exit, thereby allowing doctors to review, edit, and sign as a one-step process.
Find	Allows you to search for a text string (word or partial word) from the current position in the summary through its end. Upon reaching the end of the document, you will be asked whether to continue the search from the beginning of the document through the origin of the search.
Identify Signers	Allows authorized users to identify additional users who are to be alerted for concurrence signature. These signers may enter an addendum if they do not concur with the content of the document, but they may not edit the document itself.
Link	Allows you to link documents to either problems, visits, or other documents. Such associations permit a variety of clinically useful "views" of the online record.
Make Addendum	Allows authorized users to add an addendum to the current document online. When electronic signature is enabled, physicians are prompted for their signatures upon exit, thereby allowing doctors to review, edit and sign as a one-step process.
Print	Allows you to print copies of selected documents on your corresponding VA Standard Forms to a specified device.
Quit	Allows you to quit the current menu level.
Sign/Cosign	Allows clinicians to electronically sign the current summary. NOTE: Electronic signature carries the same legal ramifications that wet signature of a hard-copy discharge summary carries. Carefully review each discharge summary for content and accuracy before exercising this option.

Integrated Document Management

The options on this menu allow clinicians to review, edit, or sign progress notes, discharge summaries, and any other documents set up at your site. This menu is especially useful for clinicians who wish to see an integrated view of documents, to be able to edit or sign many types in one session without changing applications.

Option Name	Description
Individual Patient Document	Allows you to interactively review, edit, or sign a designated clinical document for a designated patient.
All MY UNSIGNED Documents	Gets all unsigned documents for review, edit, and signature.
Multiple Patient Documents	Provides an integrated Review Screen of all TIU documents.
Enter/edit Document	Allows you to enter and edit clinical documents directly online.
ALL Documents requiring my Additional Signature	Prints a report showing all documents that require an additional signature.

Individual Patient Document

Use this option to review an individual document for a patient. You can then edit, sign, delete, or perform other actions, as appropriate, on the document.

Steps to use option:

1. Select *Individual Patient Document* from your Integrated Document Management menu on your TIU menu.

2. Select a patient.

3. Enter a date range to display documents for. A list is displayed of that patient's documents for the specified time period.

```
Please specify a date range from which to select documents:
List documents Beginning: 02/17/92// 1/96  (JAN 1996)
                    Thru: 06/07/96// <Enter>  (JUN 07, 1996)

1  06/07/96 00:00  Diabetes Education        ONE TIUPROVIDER, MD
                    Visit: 04/18/96
2  06/05/96 17:23  Lipid Clinic              THREE TIUPROVIDER,
                    Visit: 04/18/96
3  06/05/96 11:10  Addendum to Lipid Clinic  THREE TIUPROVIDER,
                    Visit: 04/24/96
4  05/28/96 12:37  Crisis Note               SEVEN TIUPROVIDER
                    Visit: 02/20/96
5  05/28/96 12:37  Crisis Note               SEVEN TIUPROVIDER
                    Visit: 02/20/96
```

4. Choose a document from the list.

```
Choose documents:  (1-6): 1

Opening Diabetes Education record for review...
```

Individual Patient Document cont'd

```
Browse Document          Jun 26, 1996 17:08:45      Page: 1 of   1
                     Diabetes Education
TIUPATIENT 666-23-3456                  Visit Date: 07/22/91@11:06

DATE OF NOTE: JAN 09, 1996@17:51:04  ENTRY DATE: JAN 09, 1996@17:51:04
      AUTHOR: TIUPROVIDER,THREE    EXP COSIGNER: TIUPROVIDER,SIX
     URGENCY:                      STATUS: COMPLETED

Provided Mr. TIUPatient with Diabetes diet pamphlet and explained areas he
especially needed to be concerned about.

/es/ TIUPROVIDER,THREE MD
for TIUPROVER,SIX MS3
Medical Student III

          + Next Screen  - Prev Screen  ?? More actions
     Find                Make Addendum             Identify Signers
     Print               Sign/Cosign               Delete
     Edit                Copy                      Link…
                                                   Quit
Select Action: Quit//
```

5. Select one of the actions to perform on the document (e.g., edit, sign, make addendum).

All MY UNSIGNED Documents

When you choose this option from the Integrated Document Management Menu, all your unsigned documents are displayed to review, edit, or sign.

Steps to use option:

1. Select *All MY UNSIGNED Documents* from your Integrated Document Management menu on your TIU menu.

```
Select Integrated Document Management Option: All MY UNSIGNED Documents
Searching for the documents.
```

2. After all your unsigned documents are displayed, you can select an action such as add, edit, or sign/cosign, etc.

```
MY UNSIGNED Documents      June 31, 1997 15:38:13        Page:    1 of    1
               by AUTHOR (TIUPROVIDER,ONE) or EXPECTED COSIGNER 4 documents
     Patient    Document                    Ref Date  Status  Complete  Auth
1    SC501050   ONE-PER-VISIT NOTE          12/18/02  com     12/24/02  TIUP
2    TB668832   Cardiology Note             09/23/02  uns               CPRS
3    FW120870   CARDIOLOGY CS CONSULT       11/11/01  uns               CPRS
4    - CPRSPATI Discharge Summary           10/12/01  com     01/16/01  ARTP
5      |_CPRSPA Addendum to Discharge Summ 02/09/01  comple  02/12/01  LUPR

    + Next Screen  - Prev Screen  ?? More actions
     Add Document            Detailed Display        Delete Document
     Edit                    Browse                  Interdiscipl'ry Note
     Make Addendum           Print                   Expand/Collapse Entry
     Link ...                Identify Signers        Encounter Edit
     Sign/Cosign             Change View             Quit
Select Action: Quit// s  Sign/Cosign
```

```
Select Document(s):  (1-5): 3-5
Opening Adverse React/Allergy record for review...
```

```
SIGN/COSIGN                Jun 06, 1997 12:03:52        Page:    1 of    1
                            Adverse React/Allergy
TIUPATIENT,TWO 666-12-3243   2B                 Visit Date: 09/21/95@10:00
_____________________________________________________________________________
DATE OF NOTE: MAY 20, 1997@10:51:18  ENTRY DATE: MAY 20, 1997@10:51:18
      AUTHOR: TIUPROVIDER,ONE      EXP COSIGNER:
     URGENCY:                            STATUS: UNSIGNED

MORE TESTS ORDERED

     + Next Screen  - Prev Screen  ?? More actions
     Print                                                  No
Ready for Signature: NO// y   Yes
Item #: 3 Added to signature list.
```

All MY UNSIGNED Documents, cont'd

```
Opening General Note record for review...
SIGN/COSIGN                Jun 06, 1997 12:04:59        Page:    1 of    1
                                General Note
TIUPATIENT,FIVE 666-04-3779P  2B                Visit Date: 05/28/96@15:58
_____________________________________________________________________________
DATE OF NOTE: APR 07, 1997@15:50:26  ENTRY DATE: APR 07, 1997@15:37:25
      AUTHOR: TIUPROVIDER,ONE      EXP COSIGNER:
     URGENCY:                            STATUS: UNSIGNED

general malaise
```

```
        + Next Screen  - Prev Screen  ?? More actions
```

```
     Print                                                   No
Ready for Signature: NO// y   Yes
Item #: 4 Added to signature list.

Opening Adverse React/Allergy record for review...
```

```
SIGN/COSIGN                Jun 06, 1997 12:04:10        Page:    1 of    1
                           Adverse React/Allergy
TIUPATIENT,ONE  666-23-3456                     Visit Date: 07/22/91@11:06
_____________________________________________________________________________
DATE OF NOTE: MAR 24, 1997@11:03:39  ENTRY DATE: MAR 24, 1997@11:03:39
      AUTHOR: TIUPROVIDER,FIVE           EXP COSIGNER:
     URGENCY:                            STATUS: UNSIGNED

Hay fever reactions severe - antihistamines not working. Prescribed new
medication.
```

```
    + Next Screen  - Prev Screen  ?? More actions
```

```
     Print                                                   No
Ready for Signature: NO// y   Yes
Item #: 5 Added to signature list.

Enter your Current Signature Code: XXX   SIGNATURE VERIFIED......
```

```
MY UNSIGNED Documents      Jun 06, 1997 12:04:27        Page:    1 of    1
         by AUTHOR (TIUPROVIDER,FIVE) or EXPECTED COSIGNER     5 documents
     Patient                Document                     Ref Date    Status
1    + TIUPATIENT,FIVE (T3779) Discharge Summary          06/02/97  UNSIGNED
2    TIUPATIENT,ONE    (T3456) Adverse React/Allergy      05/31/97  completed
3    TIUPATIENT,TWO    (T3243) Adverse React/Allergy      05/20/97  completed
4    TIUPATIENT,FIVE   (T3779) General Note               04/07/97  completed
5    TIUPATIENT,SIX    (T3476) Adverse React/Allergy      03/24/97  completed


     ** Items 3, 4, 5 Signed. **                                          >>>
     Find                      Sign/Cosign                Change View
     Add Document              Detailed Display           Copy
     Edit                      Browse                     Delete Document
     Make Addendum             Print                      Quit
     Link ...                  Identify Signers
Select Action: Quit//
```

Multiple Patient Documents

Use this option to see an integrated Review Screen of all TIU documents.

+Caution: Avoid making your requests too broad (in statuses, search categories, and date ranges) because these searches can use a lot of system resources, slowing the computer system down for everyone.

Steps to use option:

1. Select *Multiple Patient Documents* from your Integrated Document Management menu on your TIU menu.

```
Select Integrated Document Management Option: Multiple Patient Documents
```

2. Select one or more of the following statuses.

1	undictated	6	uncosigned
2	untranscribed	7	completed
3	unreleased	8	amended
4	unverified	9	purged
5	unsigned	10	deleted

Enter selection(s) by typing the name(s), number(s), or abbreviation(s).

```
Select Status: UNSIGNED// <Enter>
```

3. Select a document type (from whatever you have set up at your site):

```
Select Clinical Documents Type(s): 1-3   Addendum
                                   Discharge Summary
                                   Progress Notes
```

4. Select one of the following search categories

```
1    All Categories       6    Patient              11   Transcriptionist
2    Author               7    Problem              12   Treating Specialty
3    Division             8    Service              13   Visit
4    Expected Cosigner    9    Subject
5    Hospital Location    10   Title
Enter selection(s) by typing the name(s), number(s), or abbreviation(s).
```

Multiple Patient Documents, cont'd

5. Enter a date range.

```
Start Reference Date [Time]: T-7// T-60  (APR 01, 1997)
Ending Reference Date [Time]: NOW// <Enter>  (MAY 31, 1997@15:42)
Searching for the documents.
```

6. All the documents for the criteria selected are displayed. Choose an action to perform, then the document to perform it on.

```
UNSIGNED Documents          May 31, 1997 15:42:40        Page: 1 of    1
      by AUTHOR (TIUPROVIDER,ONE) from 04/01/97 to 05/31/97 3 documents
   Patient                        Document                  Ref Date  Status
1    TIUPATIENT,FIVE    (T3779) Discharge Summary          06/02/97  unsigned
2    TIUPATIENT,ONE     (T3456) Adverse React/Allergy      05/31/97  unsigned
3    TIUPATIENT,TWO     (T3243) Adverse React/Allergy      05/20/97  unsigned

        + Next Screen  - Prev Screen  ?? More actions
   Find                     Sign/Cosign              Change View
   Add Document             Detailed Display         Copy
   Edit                     Browse                   Delete Document
   Make Addendum            Print                    Quit
   Link ...                 Identify Signers
Select Action: Quit//
```

Enter/Edit Document

This option allows you to enter and edit clinical documents directly online.

☞ **NOTE:** **All documents for outpatients must be associated with a Visit or Admission in order to receive workload credit.**

☞ **NOTE:** **Signed notes may not be edited even if there is a business rule allowing them to be. Hard code within TIU prevents editing of signed documents. The following categories are considered signed: Un-cosigned, completed, amended, and retracted.**

Steps to use option:

1. Select *Enter/Edit Document* from your Integrated Document Management menu on your TIU menu and enter a patient name.

```
Select Integrated Document Management Option: Enter/edit Document
Select PATIENT NAME: TIUPATIENT,ONE TIUPATIENT,ONE 09-12-44   666233456     YES
SC VETERAN
                      A: Known allergies
```

Select the Document type.

```
Select TITLE: ??
Choose from:
   ADVANCE DIRECTIVE      TITLE
   ADVERSE REACTION/ALLERGY      TITLE
   CLINICAL WARNING      TITLE
   CRISIS NOTE      TITLE
   DISCHARGE SUMMARY      TITLE

Select TITLE: ADVERSE REACTION/ALLERGY        TITLE
```

3. If the patient is an outpatient, choose the Visit (admission) from the list displayed that you wish to associate with the Adverse Reaction/Allergy note.

```
This patient is not currently admitted to the facility...

Is this note for INPATIENT or OUTPATIENT care? OUTPATIENT// <Enter>

The following VISITS are available:

   1>  APR 18, 1996@10:00                        GENERAL MEDICINE
   2>  FEB 21, 1996@08:40                        PULMONARY CLINIC
   3>  FEB 20, 1996@10:00                        ONCOLOGY
   4>  FEB 20, 1996@08:00                        GENERAL MEDICINE
CHOOSE 1-4 or <N>EW VISIT
<RETURN> TO CONTINUE
OR '^' TO QUIT: 1
```

All outpatient TIU data has to be associated with a visit. If a visit related to TIU documents already exists, you only need to confirm it; otherwise you'll have to enter a new visit.

Enter/Edit Document cont'd

```
Creating new progress note...
          Patient Location:  GENERAL MEDICINE
        Date/time of Visit:  04/18/96 10:00
         Date/time of Note:  NOW
            Author of Note:  TIUPROVIDER,NINE
   ...OK? YES// <Enter>

SUBJECT (OPTIONAL description):  <Enter>
Calling text editor, please wait...
  1>Mr. TIUPatient's allergies improved with medication.
  2>
EDIT Option:  <Enter>
Save changes? YES//  <Enter>

Saving Adverse React/Allergy with changes...

Enter your Current Signature Code: xxx   SIGNATURE VERIFIED..
Print this note? No//  <Enter>  NO

You may enter another CLINICAL DOCUMENT. Press RETURN to exit.

Select PATIENT NAME: <Enter>

                    --- Clinician's Menu ---

   1      Individual Patient Document
   2      All MY UNSIGNED Documents
   3      Multiple Patient Documents
   4      Enter/edit Document

Select Integrated Document Management Option: <Enter>
```

Documents Requiring Additional Signature

A report is available that will give you all documents requiring your additional signature. This report is available from the Integrated Document Management Menu and the Progress Notes User Menu.

To run this report:

1. From a menu, select ALL Documents requiring my Additional Signature.
2. The following report is displayed:

```
Select Integrated Document Management Option: ?

   1      Individual Patient Document
   2      All MY UNSIGNED Documents
   3      All MY UNDICTATED Documents
   4      Multiple Patient Documents
   5      Enter/edit Document
   6      ALL Documents requiring my Additional Signature

Enter ?? for more options, ??? for brief descriptions, ?OPTION for help text.

Select Integrated Document Management Option: 6  ALL Documents requiring my
Additional Signature
Searching for the documents.
```

```
My Identified Signer Docs     Feb 21, 2005@19:00:32         Page:    1 of    1
             ALL DOCUMENTS Requiring My Additional Signature
     Patient                 Document                        Ref Date  Status
1    CPRSPATIENT,S (C1050) ONE-PER-VISIT NOTE              12/18/02  completed
2    CPRSPATIENT,T (C6572) PATIENT EDUCATION               06/19/98  completed
3    CPRSPATIENT,T (C6572) MEDICINE CS CONSULT             06/09/98  completed
```

```
          + Next Screen  - Prev Screen  ?? More Actions                >>>
     Edit                      Browse                  Expand/Collapse Entry
     Make Addendum             Print                   Encounter Edit
     Link ...                  Identify Signers        Quit
     Sign/Cosign               Delete Document
     Detailed Display          Interdiscipl'ry Note
Select Action:Quit//
```

Personal Preferences

The two options on this menu let you customize the way TIU operates for you; that is, which prompts will appear, what lists you will see to select from, etc. Thus, if you only work with Discharge Summaries or Progress Notes, or only a specific set within these categories, you can set your preferences so that only these documents appear on selection lists. You can also specify the way documents are displayed on your review screens: by patient, by author, by type, in chronological or reverse chronological order, etc.

If you require cosignatures on your documents (for example, because you're a medical student, PA, or some other category that your site has designated as needing cosignature), you can designate your "Default Cosigner" and then this person will be the default when you're prompted for the Expected Cosigner.

Option	Description
Personal Preferences	Specify defaults that you want in TIU (e.g., Default Location, Sort Order, Display Menus, Patient Selection Preference, etc.)
Document List Management	Specify your "pick lists" for document selection when composing or editing documents.

Personal Preferences

Steps to use option:

1. Select *Personal Preferences* from your TIU menu.

```
Select Progress Notes/Discharge Summary [TIU] Option: Personal Preferences

   1      Personal Preferences
   2      Document List Management
Select Personal Preferences Option: 1  Personal Preferences
```

2. Select *Personal Preferences* from your Personal Preferences menu.

3. Answer the following prompts, as appropriate.

```
Select Personal Preferences Option: Personal Preferences
   Enter/edit Personal Preferences for TIUPROVIDER,ONE     OT
  Are you adding 'TIUPROVIDER,ONE' as
    a new TIU PERSONAL PREFERENCES (the 5TH)? y  (Yes)
DEFAULT LOCATION: Cardiology Clinic
REVIEW SCREEN SORT FIELD: ?
 Specify the attribute by which the document list should be sorted.
     Choose from:
       P        patient
       D        document type
       R        reference date
       S        status
       C        completion date
       A        author
       E        expected cosigner
REVIEW SCREEN SORT FIELD: p  patient
REVIEW SCREEN SORT ORDER: ?
     Please specify the order in which you want the list sorted
     Choose from:
       A        ascending
       D        descending
REVIEW SCREEN SORT ORDER: a  ascending
DISPLAY MENUS: ?
     Indicate whether menus (for document selection, etc.) should
      be displayed.
     Choose from:
       0        NO
       1        YES
DISPLAY MENUS: 1  YES
PATIENT SELECTION PREFERENCE: ?
     Please indicate your patient selection preference
     Choose from:
       S        single
       M        multiple
PATIENT SELECTION PREFERENCE: m  multiple
DEFAULT COSIGNER: ?
     Indicate which person will usually cosign your Progress Notes.
 Answer with NEW PERSON NAME, or INITIAL, or SSN, or NICK NAME, or DEA#,
   or VA#
 Do you want the entire 66-Entry NEW PERSON List? N
DEFAULT COSIGNER: TIUPATIENT,TWO    TIUPATIENT, TWO,  CA   PHYSICIAN
ASK 'Save changes?' AFTER EDIT: y  YES
ASK SUBJECT FOR PROGRESS NOTES: YES// ??
     Enter YES if you want to be prompted for a SUBJECT when entering or
     editing a Progress Note.  Subject is a freetext, indexed field which
     may help you to find notes about a given topic, etc.
     Choose from:
       1        YES
       0        NO
ASK SUBJECT FOR PROGRESS NOTES: YES// <Enter>
NUMBER OF NOTES ON REV SCREEN: ??
     This determines the number of notes that will be included in your
     initial list when reviewing progress notes by patient.
```

```
NUMBER OF NOTES ON REV SCREEN: 5??
     Type a Number between 15 and 100
NUMBER OF NOTES ON REV SCREEN: 15
SUPPRESS REVIEW NOTES PROMPT: ??
     Allows user to specify whether to suppress the prompt to
     Review Existing Notes on entry of a Progress Note. YES will
     SUPPRESS the prompt, while NO, or no entry will allow the
     site's default setting to take precedence.
     Choose from:
       1        YES
       0        NO
SUPPRESS REVIEW NOTES PROMPT: 0
Select DAY OF WEEK: Monday
 Are you adding 'Monday' as a new DAY OF WEEK (the 1ST for this TIU PERSONAL
PREFERENCES)? Y  (Yes)
  HOSPITAL LOCATION: GENERAL MEDICINE        TIUPATIENT,TWO
Select DAY OF WEEK: <Enter>
   1      Personal Preferences
   2      Document List Management
```

Document List Management

This option allows you to specify which types (Titles) of documents you wish to choose from when asked to select from a given Class (e.g., Discharge Summary or Progress Notes). Then when you create a Progress Note, you will be prompted to select from the specified list of Titles, say, Lipid Clinic Note, History & Physical, Interservice Transfer Note, and Discharge Planning, in that order. This option also allows you to specify a default title for the selected Class.

Steps to use option:

1. Select *Document List Management* from your Personal Preferences Menu on your TIU menu.

```
Select Personal Preferences Option: 2  Document List Management
        --- Personal Document Lists ---

This option allows you to create and maintain lists of TITLES for any of the
active CLASSES of documents supported by TIU at your site.

Explain Details? NO// y  YES

When you use the option to enter a document belonging to a given class, you
will be asked to select a TITLE belonging to that class.
```

```
For any particular class, you may find that you only wish to choose from among
a few highly specific titles (e.g., if you are a Pulmonologist entering a
PROGRESS NOTE, you may wish to choose from a short list of three or four titles
related to Pulmonary Function, or Pulmonary Disease).

Rather than presenting you with a list of hundreds of unrelated titles, TIU
will present you with the list you name here.

In the event that you need to select a TITLE which doesn't appear on your list,
you will always be able to do so.
NOTE:  If you expect to enter a single title, or would be unduly restricted by
use of a short list, then we recommend that you bypass the creation of a list,
and simply enter a DEFAULT TITLE for the class. This option will afford you the
opportunity to do so.
```

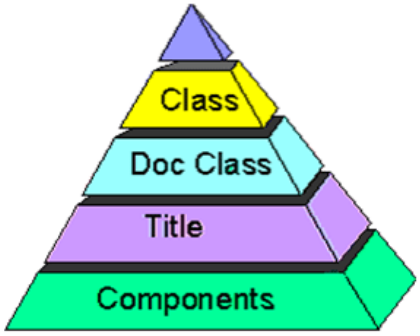
2. Answer the following prompts, as appropriate.

```
Enter/edit Personal Document List for ONE TIUPROVIDER
Add a new Personal Document List? YES// <Enter>
CLASS: ?
     Please select the parent group to which the document list
     belongs. You may only pick CLASSES of documents at this
     prompt.
     Answer with TIU DOCUMENT DEFINITION NAME, or ABBREVIATION,
     or PRINT NAME
 Do you want the entire TIU DOCUMENT DEFINITION List? y  (Yes)
Choose from:
   DISCHARGE SUMMARY      CLASS
   PROGRESS NOTES      CLASS
CLASS: Progress Notes
Edit (L)ist, (D)efault TITLE, or (B)oth? BOTH// <Enter>  both

When selecting from this PARENT CLASS, which TITLES would you like to be
presented with initially?

Select TITLE: PSYCHOLOGY - CRISIS
Select TITLE: PSYCHOLOGY - FAMILY THERAPY
Select TITLE: PSYCHOLOGY - NURSING NOTE
Select TITLE: NURSING NOTES - ENCOUNTER GROUP

Now, Specify the TITLE you'd like as your DEFAULT for PROGRESS NOTES

DEFAULT TITLE: ??
     This determines what TITLE will be offered by default when
     selecting from a given parent class (e.g., when entering a
     PROGRESS NOTE, you may want the DEFAULT TITLE to be DIABETES
     EDUCATION, etc.).
```

```
DEFAULT TITLE: PSYCHOLOGY
     1   PSYCHOLOGY - BEHAV MED          TITLE
     2   PSYCHOLOGY - BIOFEEDBACK          TITLE
     3   PSYCHOLOGY - CRISIS          TITLE
     4   PSYCHOLOGY - FAMILY THERAPY          TITLE
     5   PSYCHOLOGY - IP SATC          TITLE
TYPE '^' TO STOP, OR
CHOOSE 1-5: 3

Select PERSONAL DOCUMENT LIST Name: SUBSTANCE ABUSE
     1   SUBSTANCE ABUSE          TITLE
     2   SUBSTANCE ABUSE COMMITTEE          TITLE
     3   SUBSTANCE ABUSE TLC          TITLE
     4   SUBSTANCE ABUSE TREATMENT CENTER CONSULT          TITLE
CHOOSE 1-4: 1
  Are you adding 'SUBSTANCE ABUSE' as
    a new PERSONAL DOCUMENT LIST (the 1ST for this TIU PERSONAL DOCUMENT TYPE
LIST)? Y    (Yes)
  SEQUENCE: 1
  DISPLAY NAME: SUBSTANCE ABUSE
```

Document Definitions (Clinician)

TIU uses a structure called Document Definitions to organize Progress Notes, Discharge Summaries, and other documents. It contains the Document Definition Hierarchy, which allows documents (Titles) to inherit characteristics of the higher levels, Class and Document Class, such as signature requirements and print characteristics. This structure creates the capability for better integration, shared use of boilerplate text, components, and objects, and a more manageable organization of documents. End users (clinical, administrative, and MIS staff) need not be aware of the hierarchy. They work at the Title level, with the actual documents.



The Document Definitions menu for Clinicians may be assigned to those clinicians who are interested in creating and editing boilerplate text or in viewing or editing Document Definition entries (Class, Document Class, or Title). You can also view available Objects that can be embedded in boilerplate text. See your Clinical Coordinator or the TIU Implementation Guide if you need further information about these options or descriptions of Document Definition concepts.

Option	Description
Edit Document Definitions	This option allows you to view and edit entries. Entries are presented in hierarchy order. Items of an entry are in Sequence order, or if they have no Sequence, in alphabetic order by Menu Text, and are indented below the entry. Since Objects don't belong to the hierarchy, they can't be viewed/edited using the Edit Option.
Sort Document Definitions	The Sort option allows you to view and edit entries, by sort criteria. It then displays selected entries in alphabetic order by Name, rather than in hierarchy order. Depending on sort criteria, entries can include Objects.
View Objects	The option displays Objects within selected Start With and Go To values in alphabetic order by Name.

Edit Document Definitions

This example shows you how to traverse the hierarchy to see details about a Title in Document Definitions, in this case, an Advance Directive. The first screen shows just the top level of document types. A + indicates that there are items under that document type. To see these, select Expand/Collapse, then enter the number of the document type to be expanded.

```
Select Document Definitions (Clinician) Option: 1  Edit Document Definitions
Edit Document Definitions     Apr 17, 1997 16:42:53        Page:  1 of    1
                                     BASICS

       Name                                                              Type
1      CLINICAL DOCUMENTS                                                 CL
2       +DISCHARGE SUMMARY                                                CL
3       +PROGRESS NOTES                                                   CL
4       +ADDENDUM                                                         DC




     ?Help   >ScrollRight   PS/PL PrintScrn/List   +/-                  >>>
     Expand/Collapse           Detailed Display          Quit
     Jump to Document Def      Try
     Boilerplate Text          Find
Select Action: Quit// e   Expand/Collapse
Select Entry:  (1-4): 3........
```

```
Edit Document Definitions     Apr 17, 1997 16:43:56      Page:    1 of    1
                                     BASICS

       Name                                                            Type
1      CLINICAL DOCUMENTS                                               CL
2       +DISCHARGE SUMMARY                                              CL
3        PROGRESS NOTES                                                 CL
4         +ADVANCE DIRECTIVE                                            DC
5         +ADVERSE REACTION/ALLERGY                                     DC
6         +CRISIS NOTE                                                  DC
7         +CLINICAL WARNING                                             DC
8         +HISTORICAL TITLES                                            DC
9       +ADDENDUM                                                       DC



       ?Help   >ScrollRight   PS/PL PrintScrn/List   +/-                >>>
     Expand/Collapse           Detailed Display          Quit
     Jump to Document Def      Try
     Boilerplate Text          Find
Select Action: Quit// Expand/Collapse=4
```

Shortcut:
Enter action, =, and the item number

Edit Document Definitions, cont'd

```
Edit Document Definitions   Apr 17, 1997 16:44:17          Page:  1 of    1
                                    BASICS

        Name                                                            Type
1       CLINICAL DOCUMENTS                                               CL
2        +DISCHARGE SUMMARY                                              CL
3         PROGRESS NOTES                                                 CL
4           ADVANCE DIRECTIVE                                            DC
5             ADVANCE DIRECTIVE                                          TL
6          +ADVERSE REACTION/ALLERGY                                     DC
7          +CRISIS NOTE                                                  DC
8          +CLINICAL WARNING                                             DC
9          +HISTORICAL TITLES                                            DC
10       +ADDENDUM                                                       DC



        ?Help   >ScrollRight   PS/PL PrintScrn/List   +/-               >>>
     Expand/Collapse           Detailed Display          Quit
     Jump to Document Def      Try
     Boilerplate Text          Find
Select Action: Quit// DET   DETAILED DISPLAY
Select Entry:  (1-11): 5
```

```
 Non-Owner; View Only

Press RETURN to continue or '^' or '^^' to exit: <Enter>
Detailed Display            Apr 17, 1997 16:44:31        Page:    1 of    1
                            Title ADVANCE DIRECTIVE

  Basics            Note: Values preceded by * have been inherited
            Name:   ADVANCE DIRECTIVE
    Abbreviation:   ADIR
      Print Name:   ADVANCE DIRECTIVE
            Type:   TITLE
        National
        Standard:   YES
          Status:   ACTIVE
           Owner:   CLINICAL COORDINATOR
          In Use:   YES

  Items

  Boilerplate Text

          ? Help       +, - Next, Previous Screen     PS/PL
     Try                       Find                      Quit
Select Action: Quit//
```

View Objects

This option displays Objects in alphabetical order by Name. You can print all available Objects from your site, or specific ones.

```
--- Clinician Document Definition Menu ---


       Edit Document Definitions
       Sort Document Definitions
       View Objects

Select Document Definitions (Clinician) Option: 3  View Objects


START WITH OBJECT: FIRST// <Enter>.......................................
```

```
Objects                    Apr 17, 1997 11:57:57         Page:    1 of    3
Objects

Name                                                                  Status
ACTIVE MEDICATIONS                                                     A
ALLERGIES/ADR                                                          A
BLOOD PRESSURE                                                         A
CURRENT ADMISSION                                                      A
NOW                                                                    A
PATIENT AGE                                                            I
PATIENT DATE OF BIRTH                                                  A
PATIENT DATE OF DEATH                                                  A
PATIENT HEIGHT                                                         A
PATIENT NAME                                                           A
PATIENT RACE                                                           A
PATIENT SEX                                                            A
PATIENT SSN                                                            A
PATIENT WEIGHT                                                         A
PULSE                                                                  A
RESPIRATION                                                            A
TEMPERATURE                                                            A
TODAY'S DATE                                                           A
VISIT DATE                                                             A

+         ?Help   >ScrollRight   PS/PL PrintScrn/List   +/-        >>>
Find                       Detailed Display          Quit
Change View
Select Action: Next Screen//
```

TIU and Health Summary

A new Health Summary component is available (through Patch GMTS*2.7*12), *Selected Progress Notes*, which allows selection of specific Progress Notes Titles for display on Health Summaries. Patch GMTS*2.7*45, *Interdisciplinary Progress Notes*, expands this functionality to include Interdisciplinary Notes.

All Progress Notes, Discharge Summary, and CWAD components now extract data from TIU, rather than Progress Notes (GMRP), or Discharge Summary (GMRD).

Care has been taken to assure that the formatting and content of the components have remained the same, except that the signature block information will now reflect the author's (and cosigner's) name and title at the time of signature, rather than displaying their current values at the time of output.

Chapter 4: TIU for Medical Record Technicians

Medical Record Technicians in the MIS or HIMS of Medical Administration Service complete the tasks of assuring that all discharge summaries placed in a patient's medical record have been verified for accuracy and completion. They are also responsible for assuring that a permanent chart copy has been placed in a patient's medical record for each separate admission to the hospital.

MRT Menu

This is the main TIU menu for Medical Record Technicians (MRTs). It includes all of the options necessary for MRTs to review, edit, sign, and print documents, print reports on TIU documents, search for documents, and review upload filing events.

Option	Description
Individual Patient Document	This option allows MRTs to review, edit, or sign patient Documents.
Multiple Patient Documents	Text Integration Utilities review screen of all types of TIU documents available for MRTs.
Review Upload Filing Events	This option allows MRTs to generate a list of all upload filing events (i.e., successes, filing errors, or missing field errors) by division, by status, by date range, and to print the corresponding error records or resolve the error (e.g., correct the Patient SSN or Admission date), and retry the filer.
Print Document Menu ...	This menu allows MAS personnel to print chart or work copies of discharge summaries, progress notes, or mixed Documents.
Released/Unverified Report	This report gives information on documents for a specified time period that have been released from transcription but still aren't verified. This menu action can be eliminated if Transcription Release or MAS Verification parameters are not enabled.
Search for Selected Documents	Allows MRT's to generate lists of selected documents by extended search criteria (e.g., status, search category, and reference date range). These can then be reviewed individually or by groups, verified, sent back to transcription, reassigned, or printed.
Unsigned/Uncosigned Report	Provides information on unsigned/uncosigned documents for one, multiple, or all divisions. The report can be either Summary or Full. The summary report lists the number of documents by the service or section of the author. The full report lists detailed document information (such as author, patient, patient SSN, etc.) by the service or section of the author.
Reassignment Document Report	Provides a list of reassigned notes based on date range.

Option	Description
Review unsigned additional signatures	Gives a list of documents that require additional signatures. Provides either a detailed report listing each document that requires an additional signature, or a summary report.

Individual Patient Document

Use this option to review, verify, print or other actions an MRT can perform on clinical documents for a selected patient.

Steps to use option:

1. Select *Individual Patient Document* from the TIU MRT menu, and then enter a patient name to view documents for.

```
Select Text Integration Utilities (MRT) Option: 1  Individual Patient Document
Select PATIENT NAME: TIUPATIENT,ONE TIUPATIENT,ONE    666-23-3456   1A      YES
SC VETERAN
 (2 notes)  W: 05/28/96 12:33
Available documents:  10/24/96 thru 10/28/96  (3)
```

If the patient has Cautions, Warnings, Allergies, or Directives (CWAD), they are displayed here. In this case, the patient has a Warning (W).

Enter a date range, then choose a document from the list.

```
Please specify a date range from which to select documents:
List documents Beginning: 02/17/96// <Enter>  (FEB 17, 1992)
                    Thru: 10/28/96//<Enter>    (OCT 28, 1996)
1   10/28/96 17:11  BP TEST                        One TIUProvider, MD
                      Adm: 07/22/91  Dis: 02/12/96
2   10/25/96 11:32  Psychology - Crisis            Four TIUProvider
                      Adm: 10/25/96
Choose documents:  (1-6): 1
```

Individual Patient Document, cont'd

3. The selected document is displayed. You may press Enter to see the remaining two pages, or choose an action to perform.

```
Browse Document          Oct 30, 1996 10:33:54       Page:   1 of    3
                                BP TEST
TIUPATIENT, O        666-23-3456   1A             Visit Date: 07/22/91@11:06

DATE OF NOTE: OCT 28, 1996@17:11:51  ENTRY DATE: OCT 28, 1996@17:11:51
      AUTHOR: TIUPROVIDER, ONE       EXP COSIGNER:
     URGENCY:                            STATUS: COMPLETED

     NAME: TIUPATIENT, ONE
      SEX: MALE
      DOB: SEP 12,1944
ALLERGIES: Amoxicillin, Aspirin, MILK
     LABS:
WBC 8.7, RBC 5.1, HGB 16, HCT 47, MCV 91, MCH 29, MCHC 34, Plt  320
     + Next Screen  - Prev Screen  ?? More Actions        >>>
     Find                      Edit                      Copy
     Verify/Unverify           Send Back                 Print
     On Chart                  Reassign                  Quit
Select Action: Next Screen//
```

Multiple Patient Documents

Use this option to display TIU documents of selected types, which can then be individually or multiply reviewed, verified, sent back to transcription, reassigned, or printed.

+ **Caution:** **Avoid making your requests too broad (in statuses, search categories, and date ranges) because these searches can use a lot of system resources, slowing the computer system down for everyone.**

Steps to use option:

1. Select *Multiple Patient Documents* from your TIU menu.

Multiple Patient Documents, cont'd

2. Select one or more divisions.

```
Select division: ALL// ?
ENTER:
     - Return for all divisions, or
     - A division and return when all divisions have been selected--limit 20
     Imprecise selections will yield an additional prompt.
     (e.g. When a user enters 'A', all items beginning with 'A' are displayed.)
    Answer with MEDICAL CENTER DIVISION NUM, or NAME, or FACILITY NUMBER, or
        TREATING SPECIALTY
   Choose from:
   1            SALT LAKE OEX     660
   2            ISC-SLC-A4     660HA
   3            SALT LAKE CIOFO     660GC

Select division: ALL// <Enter>
```

3. Select one or more of the following statuses.

1	undictated	6	uncosigned
2	untranscribed	7	completed
3	unreleased	8	amended
4	unverified	9	purged
5	unsigned	10	deleted

Enter selection(s) by typing the name(s), number(s), or abbreviation(s).

```
Select Status: UNSIGNED// 4   UNVERIFIED
```

Multiple Patient Documents, cont'd

4. Select one of the following types (these may be different at your site):

Addendum
Discharge Summary
Progress Notes

Select Clinical Documents Type(s): **All** Addendum, Discharge Summary, Progress Notes

5. Enter a date range.

Start Entry Date [Time]: T-7// **t-30** (May 02, 1997)
Ending Entry Date [Time]: NOW// **<Enter>** (JUN 02, 1997@14:31)
Searching for the documents.....

6. All the documents for the criteria selected are displayed. Choose an action to perform, then the document.

Verify action example

```
UNVERIFIED Documents        Jun 02, 1997 14:31:12     Page:  1 of    1
                       from 05/02/97 to 06/02/97           9 documents
   Patient                 Document                    Admitted  Disch'd
1  TIUPATIENT,ONE(T1255)  Adverse React/Allergy        05/03/97  05/31/97
2  TIUPATIENT,TWO(T3456)  ADVANCE DIRECTIVE            05/18/96
3  TIUPATIENT,FIV(T3456)  ADVANCE DIRECTIVE            08/14/95
4  *+ TIUPATIENT,(T1462)  Discharge Summary            05/04/92  05/31/97
5  + TIUPATIENT,F(T3456)  Discharge Summary            09/21/95
6 *+ TIUPATIENT,O(T3456)  Discharge Summary            07/22/91  05/12/97

       + Next Screen  - Prev Screen  ?? More Actions              >>>
    Verify/Unverify          Link with Request        Print
    On Chart                 Send Back                Interdiscipl'ry Note
    Edit                     Detailed Display         Change View
    Reassign                 Browse                   Quit
Select Action: Quit// V    Verify/Unverify
Select Document(s):  (1-3): 4
Opening Discharge Summary record for review...
```

7. The selected document is displayed for you to verify.

```
Verify Document          Jun 02, 1997 14:38:22       Page:    1 of   20
                              Discharge Summary
TIUPATIENT,SEVEN 666-45-3234   1A           Adm: 05/04/92  Dis: 05/31/97

   DICT DATE: MAY 25, 1997           ENTRY DATE: MAY 26, 1997@08:54:19
 DICTATED BY: TIUPROVIDER,THREE      ATTENDING: TIUPROVIDER,ONE
     URGENCY: priority                   STATUS: UNVERIFIED
*** Discharge Summary Has ADDENDA ***

DIAGNOSIS:
1.  Status post head trauma with brain contusion.
2.  Status post cerebrovascular accident.
3.  End stage renal disease on hemodialysis.
4.  Coronary artery disease.
+              + Next Screen      - Prev Screen        ?? More actions
     Find                      Verify/Unverify
     Print                     Quit
Select Action: Next Screen// v  Verify/Unverify
Do you want to edit this Discharge Summary? NO// <Enter>
VERIFY this Discharge Summary? NO// y  YES
Discharge Summary VERIFIED
Chart copy queued.
Refreshing the list.
```

Review Upload Filing Events

Steps to use option:

1. Select *Review Upload Filing Events* from the TIU MRT menu.

```
Select Text Integration Utilities (MRT) Option:  Review Upload Filing Events
```

Select division displayed.

```
Select division: ALL// SALT
     1   SALT LAKE CIOFO       660GC
     2   SALT LAKE OEX       660
CHOOSE 1-2: 2  SALT LAKE OEX     660
Select another division: <Enter>
```

☞ **Note:** **This prompt is only displayed if you are at a multi-division medical center. In other words, if the MULTIDIVISION MED CENTER field of the MAS PARAMETERS file is set to YES.**

3. Select the event type to be displayed.

```
Select Event Type: FILING ERRORS// ?

Enter a code from the list.

     Select one of the following:

          F         Filing Errors
          M         Missing Field Errors
          S         Successes
          A         All Events

Select Event Type: FILING ERRORS// <Enter>  Filing Errors
```

4. Select the Resolution Status (Unresolved Errors, Resolved Errors, or All Errors).

```
Select Resolution Status: UNRESOLVED// ?

Enter a code from the list.

     Select one of the following:

          U         Unresolved Errors
          R         Resolved Errors
          A         All Errors

Select Resolution Status: UNRESOLVED// <Enter>  Unresolved Errors
```

5. Enter the range of dates.

```
 Start Event Date [Time]: T-30// <Enter> (MAY 27, 1996)
Ending Event Date [Time]: NOW// <Enter>
Searching for the events.....
```

6. All the documents for the criteria selected are displayed. Choose an action to perform, then the document to perform it on.

```
Filing Events             Jun 26, 1996 09:07:53     Page:    1 of    1
               RESOLVED FILING EVENTS from 05/27/96 to 06/26/96
     Document Type                 Event Type          Event Date/time
1 DISCHARGE SUMMARY                Filing Error         06/06/96 13:29
  FILING ERROR: STAT DISCHARGE SUMMARY  Record could not be found or created.
2 PROGRESS NOTES                   Filing Error         06/06/96 14:39




     + Next Screen  - Prev Screen  ?? More Actions        >>>
     Find                      Print event               Quit
     Display/Fix               Change view
Select Action: Next Screen// Display/Fix=1-2
```

Print Document Menu

This menu contains options that print chart or work copies of discharge summaries, progress notes, or mixed documents.

```
   1      Discharge Summary Print
   2      Progress Note Print
   3      Clinical Document Print
```

Discharge Summary Print

Use this option to print chart or work copies of discharge summaries.

Steps to use this option:

1. Select *Discharge Summary Print* from the MIS Manager's Print Document Menu.

2. Enter the name of the patient whose discharge summary you want to print.

```
   1      Discharge Summary Print
   2      Progress Note Print
   3      Clinical Document Print

Select Print Document Menu Option: 1  Discharge Summary Print
Select PATIENT NAME: TIUPATIENT,ONE TIUPATIENT,ONE     09-12-44     666233456
YES
SC VETERAN
            (2 notes)  C: 05/28/96 12:37
            (2 notes)  W: 05/28/96 12:33
                       A: Known allergies
            (2 notes)  D: 05/28/96 12:36

Available summaries:  02/12/96 thru 02/12/96  (1)
```

3. Enter the range of dates from which to choose the discharge summary or summaries you want to print.

```
Please specify a date range from which to select summaries:
List summaries Beginning: 02/12/96//   <Enter> (FEB 12, 1996)
                    Thru: 02/12/96// <Enter>

1   02/12/96 13:56  Discharge Summary                ONE TIUPROVIDER, MD
                      Adm: 07/22/91  Dis: 02/12/96

Choose summaries:  (1-1): 1
Do you want WORK copies or CHART copies? CHART// WORK
DEVICE: HOME//  <Enter>  VAX
```

Discharge Summary Print Example

```
SALT LAKE CITY   priority                        06/27/96 08:45       Page:  1
-------------------------------------------------------------------------------
PATIENT NAME                  | AGE | SEX | RACE |     SSN     | CLAIM NUMBER
TIUPATIENT,ONE                |  51 |  M  | MEXI | 666-23-3456 |
-------------------------------------------------------------------------------
  ADM DATE   |  DISC DATE   | TYPE OF RELEASE   | INP | ABS | WARD NO
JUL 22, 1991 | FEB 12, 1996 | REGULAR           |1666 |   0 | 1A
-------------------------------------------------------------------------------
DICTATION DATE: JUN 09, 1996            TRANSCRIPTION DATE: JUN 12, 1996
TRANSCRIPTIONIST: bs

DIAGNOSIS:

1.  Status post head trauma with brain contusion.
2.  Status post cerebrovascular accident.
3.  End stage renal disease on hemodialysis.
4.  Coronary artery disease.
5.  Congestive heart failure.
6.  Hypertension.
7.  Non insulin dependent diabetes mellitus.
8.  Peripheral vascular disease, status post thrombectomies.
9.  Diabetic retinopathy.
10. Below knee amputation.
11. Chronic anemia.

OPERATIONS/PROCEDURES:
1. MRI.
2. CT SCAN OF HEAD.

HISTORY OF PRESENT ILLNESS:
Patient is a 49-year-old, white male with past medical history of end stage
renal disease, peripheral vascular disease, status post BKA, coronary artery
disease, hypertension, non insulin dependent diabetes mellitus, diabetic
retinopathy, congestive heart failure, status post CVA, status post
thrombectomy admitted from Anytown VA after a fall from his wheelchair in the
hospital.  He had questionable short lasting loss of consciousness but patient
is not very sure what has happened.  He denies headache, vomiting, vertigo.
On admission patient had CT scan which showed a small area of parenchymal
hemorrhage in the right temporal lobe which is most likely consistent with
hemorrhagic contusion without mid line shift or incoordination.

ACTIVE MEDICATIONS:  Isordil 20 mgs p.o. t.i.d., Coumadin 2.5 mgs p.o. qd,
ferrous sulfate 325 mgs p.o. b.i.d., Ativan 0.5 mgs p.o. b.i.d., Lactulose 15
ccs p.o. b.i.d., Calcium carbonate 650 mgs p.o. b.i.d. with food, Betoptic
0.5% ophthalmologic solution gtt OU b.i.d., Nephrocaps 1 tablet p.o. qd,
Pilocarpine 4% solution 1 gtt OU b.i.d., Compazine 10 mgs p.o. t.i.d. prn
nausea, Tylenol 650 mgs p.o. q4 hours prn.

Patient is on hemodialysis, no known drug allergies.

PHYSICAL EXAMINATION:  Patient had stable vital signs, his blood pressure was
160/85, pulse 84, respiratory rate 20, temperature 98 degrees.  Patient was
alert, oriented times three, cooperative.  His speech was fluent,
understanding of spoken language was good.  Attention span was good.  He had
                                                                    D R A F T
Press RETURN to continue or '^' to exit: <Enter>
```

Discharge Summary Print Example cont'd

```
SALT LAKE CITY   priority                        06/27/96 08:46       Page:  4
-------------------------------------------------------------------------------
PATIENT NAME                  | AGE | SEX | RACE |     SSN     | CLAIM NUMBER
TIUPATIENT,ONE                |  51 |  M  | MEXI | 666-23-3456 |
-------------------------------------------------------------------------------
moderate memory impairment, no apraxia noted.  Cranial nerves patient was
blind, pupils are not reactive to light, face was asymmetric, tongue and
palate are mid line.  Motor examination showed muscle tone and bulk without
significant changes.  Muscle strength in upper extremities 5/5 bilaterally,
sensory examination revealed intact light touch, pinprick and vibratory
sensation.  Reflexes 1+ in upper extremities, coordination finger to nose test
within normal limits bilaterally.  Alternating movements without significant
changes bilaterally.  Neck was supple.

LABORATORY:  Showed sodium level 135, potassium 4.6, chloride 96, CO2 26,
BUN 39, creatinine 5.3, glucose level 138.  White blood cell count was 7,
hemoglobin 11, hematocrit 34, platelet count 77.

HOSPITAL COURSE:  Patient was admitted after head trauma with multiple medical
problems.  His coumadin was held.  Patient had cervical spine x-rays which
showed definite narrowing of C5, C6 interspace, slight retrolisthesis at this
level, prominent spurs at this level as well as above and below.  CT scan on
admission showed a moderate amount of scalp thinning with subcutaneous air
overlying the left frontal lobe.  A small area of left parenchymal hemorrhage
adjacent to the right petros bone in the temporal lobe which most likely
represents a hemorrhagic contusion. Repeated CT scan on 5/13/94 didn't show any
progressive changes.  Patient remained in stable condition.  He had
hemodialysis q.o.d.  He restarted treatment with Coumadin.  His last PT was
11.9, PTT 31.  Patient refused before hemodialysis new blood tests.  His
condition remained stable.

DISCHARGE MEDICATIONS:  Isordil 20 mgs p.o. t.i.d., Ferrous sulfate 325 mgs
p.o. b.i.d., Ativan 0.5 mgs p.o. b.i.d., Lactulose 15 ccs p.o. b.i.d., Calcium
carbonate 650 mgs p.o. b.i.d., Compazine 10 mgs p.o. t.i.d. prn nausea,
Betoptic 0.5% OU b.i.d., Nephrocaps 1 p.o. qd, Pilocarpine 4% solution 1 gtt OU
b.i.d., Coumadin 2.5 mgs p.o. qd, Tylenol 650 mgs p.o. q6 hours prn pain.

DISPOSITION/FOLLOW-UP:
Recommend follow PT/PTT.  Patient is on coumadin and CBC with differential
because patient has chronic anemia and thrombocytopenia.
Patient will be transferred to Anytown VA in stable condition on 5/19/94.

WORK COPY ========= UNOFFICIAL - NOT FOR MEDICAL RECORD ======== DO NOT FILE
SIGNATURE PHYSICIAN/DENTIST             SIGNATURE APPROVING PHYSICIAN/DENTIST


TIUPROVIDER, ONE, MD                       THREE TIUPROVIDER, MS
PGY2 Resident                           Medical Internist
========================= CONFIDENTIAL INFORMATION =========================
                              D R A F T
JUN 26, 1996@17:36:02  ADDENDUM:
Routine visit today--no change to condition.

SIGNATURE PHYSICIAN/DENTIST             SIGNATURE APPROVING PHYSICIAN/DENTIST


                                        Three TIUProvider, MD
                                        Medical Internist
```

Progress Note Print

Use this option to print chart or work copies of progress notes.

Steps to use option:

1. **Select *Progress Note Print* from the Print Document Menu.**

2. **Enter a patient name.**

```
Select Print Document Menu Option: 2  Progress Note Print
Select PATIENT NAME:  TIUPATIENT,ONE TIUPATIENT,ONE       09-12-44
666233456     YES
SC VETERAN
            (2 notes)  C: 05/28/96 12:37
            (2 notes)  W: 05/28/96 12:33
                       A: Known allergies
            (2 notes)  D: 05/28/96 12:36

Available notes:  02/17/96 thru 06/21/96  (31)
```

3. **Enter the range of dates for progress notes you want to print.**

4. **Choose a note from those listed.**

```
Please specify a date range from which to select notes:
List notes Beginning: 02/17/96// <Enter>  (FEB 17, 1996)
                Thru: 06/21/96// <Enter> (JUN 21, 1996)

1   06/21/96 11:40  Lipid Clinic                          FIVE TIUPROVIDER
                    Visit: 02/21/96
2   06/21/96 11:38  Social Work Service                   FIVE TIUPROVIDER
                    Visit: 04/18/96
3   06/07/96 00:00  Diabetes Education                    ONE TIUPROVIDER MD
                    Visit: 04/18/96
4   05/15/96 13:10  Addendum to Diabetes Education        SEVEN TIUPROVIDER
                    Visit: 02/21/96
5   04/24/96 15:41  Lipid Clinic                          THREE TIUPROVIDER
Visit: 04/24/96
6   02/23/96 14:08  Diabetes Education                    THREE TIUPROVIDER
                    Visit: 02/21/9
Choose notes:  (1-6):3, 5
Do you want WORK copies or CHART copies? CHART// <Enter>
DEVICE: HOME// <Enter>  VAX
```

Progress Notes Print Example

```
------------------------------------------------------------------------------
TIUPATIENT,ONE  666-23-3456                                   Progress Notes
------------------------------------------------------------------------------
NOTE DATED: 06/07/96 17:51    DIABETES EDUCATION
ADMITTED: 07/22/95 11:06 1A
SUBJECT: Routine diabetes education

Patient understanding good.

                  Signed by: /es/ Three TIUProvider, MD
                                  Medical Internist 06/23/96 08:34
                                  Analog Pager:  555-1213
                                  Digital Pager: 555-1215
                Cosigned by: /es/ TIUProvider,Three
                                   06/23/96 08:34
                                  Analog Pager: 555-1213
                                  Digital Pager:555-1215

NOTE DATED: 04/24/96 08:00    ARTERIAL EVALUATION - LOWER EXTREMITY
VISIT: 04/17/92 08:00 FOURTEEN'S CLINIC
SUBJECT: Rule out embolus, lower extremity

               AGE:  50
              UNIT:  General Medicine
       REFERRING MD:  Eight CPRSProvider
          DIAGNOSIS:  Rule out embolus

            HISTORY:  severe pedal edema, foot ulcers

              OTHER:  cyanosis
           SYMPTOMS:
   RESTING SYMPTOMS:
EXERTIONAL SYMPTOMS:
            LESIONS:
        MEDICATIONS:

                            RECORDED                            RECORDED
AUDIBLE DOPPLER SIGNAL    RIGHT   LEFT   DOPPLER WAVEFORM:    RIGHT  LEFT
  COMMON FEMORAL          _____   _____    COMMON FEMORAL     _____  _____

  SUPERFICIAL FEMORAL     _____   _____    PRE-EXERCISE       _____  _____
  POPLITEAL               _____   _____    POST-EXERCISE      _____  _____
  POSTERIOR TIBIAL        _____   _____    OTHER              _____  _____
  DORSALIS PEDIS          _____   _____

   N=NORMAL   ABN=ABNORMAL    O=ABSENT    B=BIPHASIC

TRANSCUTANEOUS PO2 VALUES:
                             RIGHT          LEFT
   SUBCLAVICULAR             ___40___       ___40___
   ABOVE KNEE                ___39___       ___40___
   HIGH BK                   ___39___       ___40___
   CALF                      ___37___       ___39___
   ANKLE                     ___36___       ___39___
   DORSUM OF FOOT            ___22___       ___38___
   OTHER                     ___18___       ___38___
Enter RETURN to continue or '^' to exit: <Enter>
```

Progress Notes Print Example cont'd

```
------------------------------------------------------------------------------
TIUPATIENT,ONE 666-23-3456                                   Progress Notes
------------------------------------------------------------------------------
04/24/92 08:00       ** CONTINUED FROM PREVIOUS SCREEN **
   40      =ADEQUATE FOR HEALING
   39-30   =EQUIVOCAL FOR HEALING
   29-0    =INADEQUATE FOR HEALING

SEGMENTAL SYSTOLIC BLOOD PRESSURE:
                            RIGHT   INDEX          LEFT    INDEX
   ARM                      _______________        _______________
   HIGH THIGH               _______________        _______________
   ABOVE KNEE               _______________        _______________
   BELOW KNEE               _______________        _______________
   ANKLE  PT                _______________        _______________
   DP                       _______________        _______________


 EXERCISE RESPONSE:

       MPH:     5 mph


       MAXIMUM WALKING TIME:  _10_ MIN _30_ SEC

       SYMPTOMS: Pedal edema, cyanosis

       MAXIMUM HEART RATE ACHIEVED:

          TIME         RIGHT INDEX        LEFT INDEX         ARM

          1 MINUTE     _____________      _____________      _____________
          3 MINUTES    _____________      _____________      _____________
          5 MINUTES    _____________      _____________      _____________
         10 MINUTES    _____________      _____________      _____________
         15 MINUTES    _____________      _____________      _____________
         20 MINUTES    _____________      _____________      _____________

POST EXERCISE:

IMPRESSIONS:

                  Signed by: /es/ Three TIUProvider, MD
                                  Medical Internist 04/24/96 14:19
                                  Analog Pager:  555-1213
                                  Digital Pager: 555-1215

Enter RETURN to continue or '^' to exit: ^

   1      Discharge Summary Print
   2      Progress Note Print
   3      Clinical Document Print

Select Print Document Menu Option: <Enter>
```

Clinical Document Print

Use this option to print chart or work copies of all clinical documents available through TIU.

Steps to use option:

1. Select *Clinical Document Print* from the Print Document Menu, and then enter a patient name.

```
Select Print Document Menu Option: 3  Clinical Document Print
Select PATIENT NAME: TIUPATIONE,ONE TIUPATIENT,ONE       09-12-44     666233456
YES
SC VETERAN
            (2 notes)  C: 05/28/96 12:37
            (2 notes)  W: 05/28/96 12:33
                       A: Known allergies
            (2 notes)  D: 05/28/96 12:36

Available documents:  02/17/92 thru 06/21/96  (34)
```

2. Enter a date range that documents will be chosen from.

```
Please specify a date range from which to select documents:
List documents Beginning: 02/17/92// 6/1/96  (JUN 01, 1996)
                    Thru: 06/21/96// 6/8/96  (JUN 08, 1996)

1   06/07/96 00:00  Diabetes Education              One TIUProvider, MD
                    Visit: 04/18/96
2   06/05/96 17:23  Lipid Clinic                    Three TIUProvider
                    Visit: 04/18/96
3   06/05/96 11:10  Addendum to Lipid Clinic        Three TIUProvider
                    Visit: 04/24/96
```

3. Choose the document or documents you would like printed, and whether you want work or chart copies.

```
Choose documents:  (1-3): 1-3
Do you want WORK copies or CHART copies? CHART// <Enter>
DEVICE: HOME//  PRINTER
```

Clinical Document Print Example

4. The document(s) will then be printed at the device you specify.

```
------------------------------------------------------------------------------
TIUPATIENT,ONE  666-23-3456                                   Progress Notes
------------------------------------------------------------------------------
NOTE DATED: 06/07/96 00:00    DIABETES EDUCATION
VISIT: 04/18/96 10:00 GENERAL MEDICINE
Routine diabetes education given as follow-up to lipid clinic visit.

                  Signed by: /es/ One TIUProvider, MD
                                  PGY2 Resident 06/07/96 10:22


NOTE DATED: 06/05/96 17:23    LIPID CLINIC
VISIT: 04/18/96 10:00 GENERAL MEDICINE
SUBJECTIVE:    51 year old MEXICAN AMERICAN MALE here for
               initial evaluation of his DYSLIPIDEMIA.

PMH:

               Significant negative medical history pertinent to the
               evaluation and treatment of DYSLIPIDEMIA:

FH:

SH:

MEDICATION
HISTORY:       CURRENT MEDICATIONS

DIET:          Counseled on AHA Step I diet today by Nine CPRSProvider.
               See her evaluation.

ACTIVITY:

OBJECTIVE:     HT:  72 (08/23/95 11:45)   WT:  190 (08/23/95 11:45)


               TSH/T4: /

                  FBG: 89           HEMOGLOBIN A1C:

                 SGOT:                URIC ACID:

ASSESSMENT:    1.      MALE with / without documented CAD
               2.      CV Risk factors:
               3.      Lipid pattern:

PLAN:          1.      Implement recommendations to lower fat intake.
               2.      Repeat FBG and HBG A1C on:
               3.      Return to review lab on:

                  Signed by: /es/ Three TIUProvider, MD
                                  Internist  06/05/96 17:23
                                  Analog Pager:  555-1213
                                  Digital Pager: 555-1215

Enter RETURN to continue or '^' to exit: <Enter>
```

Clinical Document Print Example cont'd

```
---------------------------------------------------------------------------
TIUPATIENT,ONE  666-23-3456                                   Progress Notes
---------------------------------------------------------------------------
NOTE DATED: 04/24/96 15:41    LIPID CLINIC
VISIT: 04/24/96 15:40 DIABETIC EDUCATION-INDIV-MOD B
SUBJECTIVE:    51 year old MEXICAN AMERICAN MALE here for
               initial evaluation of his DYSLIPIDEMIA.

PMH:

               Significant negative medical history pertinent to the
               evaluation and treatment of DYSLIPIDEMIA:

FH:

SH:

MEDICATION
HISTORY:       CURRENT MEDICATIONS

DIET:          Counseled on AHA Step I diet today by NINE TIUPROVIDER.

               See her evaluation.

ACTIVITY:

OBJECTIVE:     HT:  72 (08/23/95 11:45)   WT:  190 (08/23/95 11:45)


               TSH/T4: /

                  FBG: 89           HEMOGLOBIN A1C:

                 SGOT:                URIC ACID:

ASSESSMENT:    1.      MALE with / without documented CAD
               2.      CV Risk factors:
               3.      Lipid pattern:


PLAN:          1.      Implement recommendations to lower fat intake.
               2.      Repeat FBG and HBG A1C on:
               3.      Return to review lab on:

                  Signed by: /es/ Three TIUProvider, MD
                                  Internist 04/24/96 15:41
                                  Analog Pager:  555-1213
                                  Digital Pager: 555-1215


Enter RETURN to continue or '^' to exit: <Enter>

   1      Discharge Summary Print
   2      Progress Note Print
   3      Clinical Document Print
```

Released/Unverified Report

Use this option to produce a list of released documents which haven't been verified.

Steps to use option:

1. Select *Released/Unverified Report* from the MRT menu.

2. Enter the starting and ending divisions for the report.

3. Enter the starting day for the report.

4. Specify a printer. If necessary, set the margin width to 132.

```
Select Text Integration Utilities (MRT) Option: Released/Unverified Report
START WITH DIVISION: FIRST// 660
GO TO DIVISION: LAST//
START WITH RELEASE DATE/TIME: FIRST// <Enter>
DEVICE:   PRINTER
       MARGIN WIDTH IS NORMALLY AT LEAST 132
        ARE YOU SURE? No// YES
```

```
Released/Unverified Report - ELY
 OCT 15,1996  11:59 PAGE 1
PATIENT                        SSN         ADM DATE   DIS DATE
                             LINE
  DICTATED BY      URGENCY   COUNT
----------------------------------------------------------------------
                   RELEASE DATE/TIME: JAN 10,1996
  TRANSCRIPTIONIST: DP
TIUPATIENT,THREE               666042591P  02/27/92   03/05/92
  TIUPROVIDER,FOUR routine   1         Discharg
                             --------
SUBTOTAL                     1
                   RELEASE DATE/TIME: SEP 10,1996
  TRANSCRIPTIONIST: BS
TIUPATIENT,FOUR                666123456   09/21/95
  TIUPROVIDER,ONE  routine   72        Addendum
TIUPATIENT,FIVE                666451462   05/04/92   05/31/96
  TIUPROVIDER,ONE  priority  78        Addendum
                             --------
SUBTOTAL                     150

Discharge Summary Released/Unverified Report OCT 15,1996  11:59 PAGE 2
PATIENT                        SSN         ADM DATE   DIS DATE
                             LINE
  DICTATED BY      URGENCY   COUNT
----------------------------------------------------------------------
                   RELEASE DATE/TIME: OCT  4,1996
  TRANSCRIPTIONIST: jg
TIUPATIENT,ONE                 666233456   07/22/91   02/12/96
  TIUPROVIDER,THRE routine   1         Discharg
                             --------
SUBTOTAL                     1
                             --------
TOTAL                        152
Press RETURN to continue...<Enter>
```

Search for Selected Documents

Use this option to produce a list of selected documents by extended search criteria e.g., status, search category, and reference date range). These can then be reviewed, verified, sent back to transcription, reassigned, or printed.

Steps to use option:

1. Select *Search for Selected Documents* from the TIU MRT menu.

2. Select the status of documents you want displayed.

```
Select Text Integration Utilities (MRT) Option: 6  Search for Selected
Documents

Select Status: COMPLETED// ?

1    undictated          5    unsigned            9    purged
2    untranscribed       6    uncosigned          10   deleted
3    unreleased          7    completed           11   retracted
4    unverified          8    amended

Enter selection(s) by typing the name(s), number(s), or abbreviation(s).
Select Status: COMPLETED// <Enter>   completed
```

3. Select the document type you want displayed.

These may be different at your site.

```
Select CLINICAL DOCUMENTS Type(s): Discharge Summaries// ?
1 Discharge Summaries   2 Progress Notes     3  Addendum
Enter selection(s) by typing the name(s), number(s), or abbreviation(s).
Select CLINICAL DOCUMENTS Type(s):Progress Notes  Progress Notes
```

4. Select the search category you want displayed.

```
Select SEARCH CATEGORIES: AUTHOR// ?
1  All Categories      5    Patient       9   Title
2  Author              6    Problem      10   Transcriptionist
3  Expected Cosigner   7    Service      11   Treating Specialty
4  Hospital Location   8    Subject      12   Visit
Enter selection(s) by typing the name(s), number(s), or abbreviation(s).
Select SEARCH CATEGORIES: AUTHOR// <Enter>   Author
Select AUTHOR:  TIUPROVIDER,ONE        JG
```

Search for Selected Documents, cont'd

5. Enter the range of dates you want displayed.

```
 Start Reference Date [Time]: T-7//<Enter>     (MAY 26, 1997)
Ending Reference Date [Time]: NOW// <Enter> (JUN 02, 1997@15:46)
Searching for the documents...
```

6. The documents fitting the search criteria you selected are displayed. Choose an action to perform on the relevant documents.

```
UNSIGNED Documents        Jun 02, 1997 15:46:28          Page:  1 of  1
      by AUTHOR (TIUPROVIDER,ONE) from 05/26/97 to 06/02/97     2 documents
  Patient                Document                        Ref Date   Status
1 TIUPATIENT,ONE(T3456) Adverse React/Allergy            05/31/97  unsigned
2 TIUPATIENT,FIV(T2591) Adverse React/Allergy            05/31/97  unsigned

     + Next Screen      - Prev Screen      ?? More Actions            >>>
   Find                     Reassign                  Print
   Verify/Unverify          Send Back                 Change View
   On Chart                 Detailed Display          Quit
   Edit                     Browse
Select Action: Quit//
```

Unsigned/Uncosigned Report

Lists detailed document information such as author, patient, patient SSN, etc. for notes with no signature and/or cosignature. Optionally, a summary report can be generated showing the number of unsigned and uncosigned documents in each service.

In the following example, a summary report is generated for a selected division:

```
Select OPTION NAME:    TIU UNSIGNED/UNCOSIGNED REPORT     Unsigned/Uncosigned
Report     run routine
Select division: ALL// SALT
     1   SALT LAKE CIOFO       660GC
     2   SALT LAKE OEX       660
CHOOSE 1-2: 1  SALT LAKE CIOFO     660GC
Select another division: <Enter>

Please specify an Entry Date Range:

 Start Entry Date: t-365  (JAN 28, 2003)
Ending Entry Date: t  (JAN 28, 2004)

Select service: ALL// <Enter>

     Select one of the following:

          F         FULL
          S         SUMMARY

Type of Report: S  SUMMARY

DEVICE: HOME// <Enter> ANYWHERE

                   Unsigned and Uncosigned Documents Jan 28, 2003 thru Jan 28,
2
004@23:59:59Page 1
PRINTED:                  for ELY
JAN 28, 2004@16:33
-------------------------------------------------------------------------------

 Totals for Service: IRM--- UNSIGNED: 24  UNCOSIGNED: 0

 Totals for Service: MEDICINE--- UNSIGNED: 112  UNCOSIGNED: 0

 Totals for Service: OTHER--- UNSIGNED: 1  UNCOSIGNED: 0

 Totals for Service: PHARMACY--- UNSIGNED: 6  UNCOSIGNED: 0

 Totals for Service: SURGERY--- UNSIGNED: 1  UNCOSIGNED: 0

 Totals for Service: UNKNOWN--- UNSIGNED: 2  UNCOSIGNED: 0

Totals for Division: ELY--- UNSIGNED: 146  UNCOSIGNED: 0

Enter RETURN to continue or '^' to exit:
```

☞ **Note**: A full Unsigned/Uncosigned Report requires a printer device capable of printing 132 columns.

Reassignment Document Report

The reassign action reassigns a note to a different patient, admission, or visit. Besides this, the reassign action may be used to promote an Addendum as an Original, swap the Addendum and the Original, or change a discharge summary to an Addendum.

This report provides a list of reassigned notes based on date range. In the following example TIU displays a report of reassigned documents over the past 6 months:

```
Select Text Integration Utilities (MRT) Option: ?

   1      Individual Patient Document
   2      Multiple Patient Documents
   3      Review Upload Filing Events
   4      Print Document Menu ...
   5      Released/Unverified Report
   6      Search for Selected Documents
   7      Unsigned/Uncosigned Report
   8      Reassignment Document Report

Enter ?? for more options, ??? for brief descriptions, ?OPTION for help text.

Select Text Integration Utilities (MRT) Option: 8  Reassignment Document Report
ENTER STARTING DATE: JAN 01, 2003//t-180  (AUG 22, 1999)
ENTER ENDING DATE: Aug 04, 2004//  (AUG 04, 2004)
DEVICE: HOME//   ANYWHERE

Searching...

Date range searched: Aug 22, 1999 - Aug 04, 2004
Number of records searched: 9189
Number of records found: 570
Elapsed time: 0 minute(s) 3 second(s)
Current user: TIUPROVIDER,SEVEN
Current date: Aug 04, 2004@10:20:57
```

```
                        TIU REASSIGNMENT DOCUMENT REPORT

DOCUMENT NAME   INITIAL PATIENT    FINAL PATIENT      REASSIGNMENT DATE/TIME
=============   ===============    =============      ======================
Addendum        TIUPATIENT,EIGHT   TIUPATIENT,SIX     Aug 23, 1999@08:46:41
Addendum        TIUPATIENT,EIGHT   TIUPATIENT,SIX     Aug 23, 1999@08:46:42
Discharge Summa TIUPATIENT,SEVEN   TIUPATIENT,SEVEN   Aug 25, 1999@11:51:47
PULMONARY CS CO TIUPATIENT,EIGHT   TIUPATIENT,NINE    Aug 25, 1999@15:41:40
PULMONARY CS CO TIUPATIENT,NINE    TIUPATIENT,EIGHT   Aug 25, 1999@16:03:24
PULMONARY CS CO TIUPATIENT,EIGHT   TIUPATIENT,NINE    Aug 25, 1999@16:16:32
PULMONARY CS CO TIUPATIENT,EIGHT   TIUPATIENT,EIGHT   Aug 25, 1999@16:36:05
PULMONARY CS CO TIUPATIENT,EIGHT   TIUPATIENT,EIGHT   Aug 25, 1999@16:36:06
PULMONARY CS CO TIUPATIENT,EIGHT   TIUPATIENT,FIVE    Aug 27, 1999@10:47:49
PULMONARY CS CO TIUPATIENT,EIGHT   TIUPATIENT,NINE    Aug 27, 1999@15:56:28
PULMONARY CS CO TIUPATIENT,EIGHT   TIUPATIENT,SIX     Aug 27, 1999@16:18:45
PULMONARY CS CO TIUPATIENT,EIGHT   TIUPATIENT,SIX     Aug 27, 1999@16:41:45
PULMONARY CS CO TIUPATIENT,EIGHT   TIUPATIENT,SIX     Aug 27, 1999@16:41:46
PULMONARY CS CO TIUPATIENT,EIGHT   TIUPATIENT,SIX     Aug 31, 1999@16:14:29
Addendum        TIUPATIENT,EIGHT   TIUPATIENT,SIX     Aug 31, 1999@17:01:15
Addendum        TIUPATIENT,EIGHT   TIUPATIENT,SIX     Aug 31, 1999@17:01:16

Enter RETURN to continue or '^' to exit:
```

Review Unsigned Additional Signatures

This option prints either a detailed or summary report of documents requiring additional signatures.

In the detailed report the patient name is abbreviated to the patient initials followed by the last six digits of the social security number to save space.

In the following example, a detailed report is run covering a four month period:

```
Select Text Integration Utilities (MRT) Option: ?

   1      Individual Patient Document
   2      Multiple Patient Documents
   3      Review Upload Filing Events
   4      Print Document Menu ...
   5      Released/Unverified Report
   6      Search for Selected Documents
   7      Unsigned/Uncosigned Report
   8      Reassignment Document Report
   9      Review unsigned additional signatures

Enter ?? for more options, ??? for brief descriptions, ?OPTION for help text.


You have PENDING ALERTS
          Enter  "VA to jump to VIEW ALERTS option

Select Text Integration Utilities (MRT) Option: 9  Review unsigned additional
signatures
Select division: ALL//

Please specify an Entry Date Range:

 Start Entry Date: t-90  (NOV 09, 2004)
Ending Entry Date: t  (FEB 07, 2005)

Select service: ALL//

     Select one of the following:

          F         FULL
          S         SUMMARY

Type of Report: f  FULL

This report should be sent to a 132 Column Device

DEVICE: HOME//   ANYWHERE

Pending Additional Signature Documents for ELY on Feb 07, 2005@14:39:49
          Oct 10, 2004 thru Feb 07, 2005@23:59:59                    Page: 1
-------------------------------------------------------------------------------
IDENT. SIGNER    PATIENT   STATUS  ENTRY DATE         DOCUMENT TITLE
 DOCUMENT IEN
-------------------------------------------------------------------------------
-

          SERVICE: MEDICINE
CPRSPROVIDER, E  EB111148   com    10/15/04@07:58:50  ACUTE PAIN NOTE
 29303
CPRSPROVIDER, F  EH224567   com    11/26/04@14:39:48   SURGERY CS CONSULT
```

```
 28002
CPRSPROVIDER, F  FC781990   com    11/30/04@07:39:31   CARDIOLOGY NOTE
 29008
CPRSPROVIDER, N  FC781990   com    10/20/04@12:30:10   MEDICINE NOTE
 29079
CPRSPROVIDER, O  SH345377   com    10/30/04@12:40:24   AB ID PARENT BARRY TEST
 29019
CPRSPROVIDER, O  TH345377   com    12/30/04@12:40:24   AB ID PARENT BARRY TEST
 29019
CPRSPROVIDER, S  NC448661   com    12/20/04@13:08:40   PODIATRY CS CONSULTS
 27968
CPRSPROVIDER, T  OC324321   com    01/29/05@13:50:35   CRISIS NOTE
 28840
CPRSPROVIDER, T  OC668847   com    01/28/05@11:16:37  ACUTE PAIN NOTE
 29362
  Totals for Service   MEDICINE:                        9
Totals for Division    ELY:                             9

Enter RETURN to continue or '^' to exit:
```

Chapter 5: TIU for MIS/HIMS Managers

The Medical Information Section (MIS), also called Health Information Management Section (HIMS), maintains and manages records of clinical documents, including copies of statistical reports, and chart or work copies of discharge summaries and progress notes.

MIS Manager's Menu

Option	Description
Individual Patient Document	Allows you to review or print patient Clinical Documents.
Multiple Patient Documents	This option allows MIS Managers to see any of the available TIU documents on the Text Integration Utilities Review Screen.
Print Document Menu	This menu gives MAS personnel access to options which print CHART or WORK copies of discharge summaries, progress notes, or mixed Documents on demand.
Search for Selected Documents	Allows MIS Managers to generate a list of selected documents based on extended search criteria; e.g., STATUS, SEARCH CATEGORY, and REFERENCE DATE RANGE).
Statistical Reports	This menu allows you to view or print statistical reports for line counts and timeliness by Author, Transcriptionist, and Service.
Unsigned/Uncosigned Report	Provides information on unsigned and uncosigned documents for one, multiple, or all divisions. The report can be either Summary or Full. The summary report lists the number of documents by the service or section of the author. The full report lists detailed document information (such as author, patient, patient SSN, etc.) by the service or section of the author.
Missing Text Report	Reports which TIU Documents that do not have any report text, are missing the 0 node of the text node, or both cases. Documents may be of any type, including addenda but not notes with components or addenda attached to them.
Missing Text Cleanup	This is a utility for assisting with the cleanup of documents without report text. In some cases you may choose to correct documents manually, such as when the author is still available or when the document was originally an upload document.

Option	Description
UNKNOWN Addenda Cleanup	Gives a list of surgery addenda that are not connected to an Operations Report and provides options for reviewing, assistance in finding the parent, and attaching to the parent.
Missing Expected Cosigner Report	Provides a list of documents that have a status of "Uncosigned" where the "Expected Cosigner" field is null, 0 or -1.
Mark Document as 'Signed by Surrogate'	Provides a way to mark a document as 'Signed by Surrogate'. This will set the .09 field of file 8925.7 to 1 - meaning that the signing for an Additional Signer was done by a surrogate of that Additional Signer.
Mismatched ID Notes	This option runs a routine that will report/fix mismatched interdisciplinary (ID) notes.
TIU 215 ANALYSIS	Surgery cases will be analyzed within a particular date range and information from Nurse Intraoperative Report (NIR) and/or Anesthesia reports will be compared to their corresponding TIU notes. If the information does not match, the case number will be recorded as one that needs to be reviewed.
Transcription Billing Verification Report	This report can be run by division and provides information on all transcriptionists or one or more selected transcriptionist. It reports based on an entered date range. Since the VBC Line Count is only calculated for transcribed reports, it does not report on any document transcribed before the line count patch was installed.
Copy/Paste Tracking Reports	This menu option allows a user to run the Summary and Detailed Copy/Paste Tracking reports.
CWAD/Postings Auto Demotion Setup	This option on the menu allows Clinical Application Coordinators and/or site designated personnel to configure CWAD notes for auto demotion using the CWAD/Postings Auto-Demotion Setup.

Individual Patient Document

Use this option to review or print TIU documents for a patient.

Steps to use option:

1. Select *Individual Patient Document* from the MIS Manager Menu, and then enter the patient name.

```
Select Text Integration Utilities (MIS Manager) Option:  Individual Patient
Document
Select PATIENT NAME: TIUPATIENT,SEVEN TIUPATIENT,SEVEN  04-25-31 666042591P  NO
MILITARY RETIREE
            (2 notes)  W: 09/16/96 15:12  (addendum 09/18/96 09:53)
                       A: Known allergies

Available documents:  08/11/95 thru 10/10/96  (131)
```

2. Select a date range for the documents you wish to review, and then choose one or more of the documents displayed.

```
Please specify a date range from which to select documents:
List documents Beginning: 08/11/95// t-15  (SEP 30, 1996)
                    Thru: 10/10/96// <Enter>  (OCT 10, 1996)

1   10/06/96 14:11  Addendum to Diabetes Education    Three TIUProvider,
                      Adm: 09/28/96
2   10/05/96 13:56  Diabetes Education                Six TIUProvder,
                      Adm: 09/28/96

Choose documents:  (1-3): 2
```

3. The document(s) you chose is displayed. Choose an action to perform.

```
Browse Document           Oct 15, 1996 12:23:42       Page:  1 of    1
                              Diabetes Education
TIUPATIENT,SEVEN      666-04-2591P  1A        Visit Date: 09/28/96@15:58

DATE OF NOTE: SEP 05, 1996@13:51:03  ENTRY DATE: SEP 05, 1996@13:51:03
      AUTHOR: TIUPROVIDER,SIX      EXP COSIGNER: TIUPROVIDER,THREE
     URGENCY:                            STATUS: COMPLETED
TEST DRUG EFFICACY.

/es/ Six TIUProvider, MS3                  /es/ Three TIUProvider, MD
Medical Student III
Signed: 10/05/96 13:51                 Cosigned: 10/05/96 14:11

     + Next Screen  - Prev Screen  ?? More Actions       >>>
     Find                      On Chart                  Reassign
     Print                     Amend                     Send Back
     Edit                      Delete                    Quit
     Verify/Unverify
Select Action: Quit//
```

Multiple Patient Documents

Use this option to display TIU documents of specified types, which can then be reviewed, verified, sent back to transcription, reassigned, or printed.

+ **Caution:** **Avoid making your requests too broad (in statuses, search categories, and date ranges) because these searches can use a lot of system resources, slowing the computer system down for everyone. The example below would probably be too broad in a large hospital.**

Steps to use option:

1. Select *Multiple Patient Documents* from the MIS Manager menu. Answer the prompts that follow.

```
Select Text Integration Utilities (MIS MANAGER) Option: Multiple Patient
Documents
Select division: ALL// <Enter>
Select Status: UNSIGNED// <Enter>    Unsigned
Select Clinical Documents Type(s): ?
1 Progress Notes 2    Discharge Summary         3 Addendum
Enter selection(s) by typing the name(s), number(s), or abbreviation(s).

Select Clinical Documents Type(s): 1-3   Addendum  Discharge Summary
                                   Progress Notes
Start Reference Date [Time]: T-7//t-15 (MAR 19, 1997)
Ending Reference Date [Time]: NOW// <Enter> (APR 18, 1997@15:21)
Searching for the documents...............
```

These may differ at your site.

2. When the documents that fit the criteria you entered are displayed, choose an action and a document(s).

```
UNSIGNED Documents            Apr 18,1996 15:21:44          Page:1 of 1
by ALL CATEGORIES          from 03/19/96 to 04/18/96       15 documents
  Patient                  Document                     Admitted  Disch'd
1 TIUPATIENT,O     (T8101) Nursing Note                 04/15/96
2 TIUPATIENT,T     (T2760) Addendum                     03/22/96
3 TIUPATIENT,T     (T2760) Addendum                     03/22/96
4 TIUPATIENT,F     (T6641) Ambul/Outp Care              04/18/96
5 TIUPATIENT,F     (T6641) General Note                 04/18/96
6 TIUPATIENT,F     (T6641) Diabetes Ed                  03/20/96
7 TIUPATIENT,S     (T0482) Diabetes Edu                 03/25/96
8 TIUPATIENT,S     (T0482) Addendum                     03/25/96

     + Next Screen  - Prev Screen  ?? More Actions        >>>
     Verify/Unverify          Link with Request        Print
     On Chart                 Send Back                Interdiscipl'ry Note
     Edit                     Detailed Display         Change View
     Reassign                 Browse                   QuitSelect
Action: Quit// ON CHART
```

Print Document Menu

This menu contains options which print chart or work copies of discharge summaries, progress notes, or mixed documents.

```
   1      Discharge Summary Print
   2      Progress Note Print
   3      Clinical Document Print
```

Discharge Summary Print

Use this option to print chart or work copies of discharge summaries.

Steps to use this option:

1. Select *Discharge Summary Print* from the MIS Manager's Print Document Menu.

2. Enter the name of the patient whose discharge summary you want to print.

```
   1      Discharge Summary Print
   2      Progress Note Print
   3      Clinical Document Print

Select Print Document Menu Option: 1  Discharge Summary Print
Select PATIENT NAME: TIUPATIENT,ONE TIUPATIENT,ONE     09-12-44     666233456
YES
SC VETERAN
            (2 notes)  C: 05/28/96 12:37
            (2 notes)  W: 05/28/96 12:33
                       A: Known allergies
            (2 notes)  D: 05/28/96 12:36

Available summaries:  02/12/96 thru 02/12/96  (1)
```

3. Enter the range of dates to choose the discharge summary or summaries you want to print.

```
Please specify a date range from which to select summaries:
List summaries Beginning: 02/12/96//   <Enter> (FEB 12, 1996)
                    Thru: 02/12/96// <Enter>

1   02/12/96 13:56  Discharge Summary                One TIUProvider, MD
                      Adm: 07/22/91  Dis: 02/12/96

Choose summaries:  (1-1): 1
Do you want WORK copies or CHART copies? CHART// WORK
DEVICE: HOME//  <Enter>  VAX
```

Discharge Summary Print Example

```
SALT LAKE CITY   priority                        06/27/96 08:45       Page:  1
-------------------------------------------------------------------------------
PATIENT NAME                  | AGE | SEX | RACE |     SSN     | CLAIM NUMBER
TIUPATIENT,ONE                |  51 |  M  | MEXI | 666-23-3456 |
-------------------------------------------------------------------------------
  ADM DATE   |  DISC DATE   | TYPE OF RELEASE   | INP | ABS | WARD NO
JUL 22, 1991 | FEB 12, 1996 | REGULAR           |1666 |   0 | 1A
-------------------------------------------------------------------------------
DICTATION DATE: JUN 09, 1996            TRANSCRIPTION DATE: JUN 12, 1996
TRANSCRIPTIONIST: bs

DIAGNOSIS:

1.  Status post head trauma with brain contusion.
2.  Status post cerebrovascular accident.
3.  End stage renal disease on hemodialysis.
4.  Coronary artery disease.
5.  Congestive heart failure.
6.  Hypertension.
7.  Non insulin dependent diabetes mellitus.
8.  Peripheral vascular disease, status post thrombectomies.
9.  Diabetic retinopathy.
10. Below knee amputation.
11. Chronic anemia.

OPERATIONS/PROCEDURES:
1. MRI.
2. CT SCAN OF HEAD.

HISTORY OF PRESENT ILLNESS:
Patient is a 49-year-old, white male with past medical history of end stage
renal disease, peripheral vascular disease, status post BKA, coronary artery
disease, hypertension, non insulin dependent diabetes mellitus, diabetic
retinopathy, congestive heart failure, status post CVA, status post
thrombectomy admitted from Anytown VA after a fall from his wheelchair in the
hospital.  He had questionable short lasting loss of consciousness but patient
is not very sure what has happened.  He denies headache, vomiting, vertigo.
On admission patient had CT scan which showed a small area of parenchymal
hemorrhage in the right temporal lobe which is most likely consistent with
hemorrhagic contusion without mid line shift or incoordination.

ACTIVE MEDICATIONS:  Isordil 20 mgs p.o. t.i.d., Coumadin 2.5 mgs p.o. qd,
ferrous sulfate 325 mgs p.o. b.i.d., Ativan 0.5 mgs p.o. b.i.d., Lactulose 15
ccs p.o. b.i.d., Calcium carbonate 650 mgs p.o. b.i.d. with food, Betoptic
0.5% ophthalmologic solution gtt OU b.i.d., Nephrocaps 1 tablet p.o. qd,
Pilocarpine 4% solution 1 gtt OU b.i.d., Compazine 10 mgs p.o. t.i.d. prn
nausea, Tylenol 650 mgs p.o. q4 hours prn.

Patient is on hemodialysis, no known drug allergies.

PHYSICAL EXAMINATION:  Patient had stable vital signs, his blood pressure was
160/85, pulse 84, respiratory rate 20, temperature 98 degrees.  Patient was
alert, oriented times three, cooperative.  His speech was fluent,
understanding of spoken language was good.  Attention span was good.  He had
                                                                    D R A F T
Press RETURN to continue or '^' to exit: <Enter>
```

Discharge Summary Print Example cont'd

```
SALT LAKE CITY   priority                        06/27/96 08:46       Page:  4
-------------------------------------------------------------------------------
PATIENT NAME                  | AGE | SEX | RACE |     SSN     | CLAIM NUMBER
TIUPATIENT,ONE                |  51 |  M  | MEXI | 666-23-3456 |
-------------------------------------------------------------------------------
moderate memory impairment, no apraxia noted.  Cranial nerves patient was
blind, pupils are not reactive to light, face was asymmetric, tongue and
palate are mid line.  Motor examination showed muscle tone and bulk without
significant changes.  Muscle strength in upper extremities 5/5 bilaterally,
sensory examination revealed intact light touch, pinprick and vibratory
sensation.  Reflexes 1+ in upper extremities, coordination finger to nose test
within normal limits bilaterally.  Alternating movements without significant
changes bilaterally.  Neck was supple.

LABORATORY:  Showed sodium level 135, potassium 4.6, chloride 96, CO2 26,
BUN 39, creatinine 5.3, glucose level 138.  White blood cell count was 7,
hemoglobin 11, hematocrit 34, platelet count 77.

HOSPITAL COURSE:  Patient was admitted after head trauma with multiple medical
problems.  His coumadin was held.  Patient had cervical spine x-rays which
showed definite narrowing of C5, C6 interspace, slight retrolisthesis at this
level, prominent spurs at this level as well as above and below.  CT scan on
admission showed a moderate amount of scalp thinning with subcutaneous air
overlying the left frontal lobe.  A small area of left parenchymal hemorrhage
adjacent to the right petros bone in the temporal lobe which most likely
represents a hemorrhagic contusion. Repeated CT scan on 5/13/94 didn't show any
progressive changes.  Patient remained in stable condition.  He had
hemodialysis q.o.d.  He restarted treatment with Coumadin.  His last PT was
11.9, PTT 31.  Patient refused before hemodialysis new blood tests.  His
condition remained stable.

DISCHARGE MEDICATIONS:  Isordil 20 mgs p.o. t.i.d., Ferrous sulfate 325 mgs
p.o. b.i.d., Ativan 0.5 mgs p.o. b.i.d., Lactulose 15 ccs p.o. b.i.d., Calcium
carbonate 650 mgs p.o. b.i.d., Compazine 10 mgs p.o. t.i.d. prn nausea,
Betoptic 0.5% OU b.i.d., Nephrocaps 1 p.o. qd, Pilocarpine 4% solution 1 gtt OU
b.i.d., Coumadin 2.5 mgs p.o. qd, Tylenol 650 mgs p.o. q6 hours prn pain.

DISPOSITION/FOLLOW-UP:
Recommend follow PT/PTT.  Patient is on coumadin and CBC with differential
because patient has chronic anemia and thrombocytopenia.
Patient will be transferred to Anytown VA in stable condition on 5/19/94.

WORK COPY ========= UNOFFICIAL - NOT FOR MEDICAL RECORD ======== DO NOT FILE
SIGNATURE PHYSICIAN/DENTIST             SIGNATURE APPROVING PHYSICIAN/DENTIST


One TIUProvider, MD                     Three TIUProvider, MS
PGY2 Resident                           Medical Internist
========================= CONFIDENTIAL INFORMATION =========================
                              D R A F T
JUN 26, 1996@17:36:02  ADDENDUM:
Routine visit today--no change to condition.

SIGNATURE PHYSICIAN/DENTIST             SIGNATURE APPROVING PHYSICIAN/DENTIST


                                        Three TIUProvider, MD
                                        Medical Internist
```

Progress Note Print

Use this option to print chart or work copies of progress notes.

Steps to use option:

1. **Select *Progress Note Print* from the Print Document Menu.**

2. **Enter a patient name.**

```
Select Print Document Menu Option: 2  Progress Note Print
Select PATIENT NAME:  TIUPATIENT,ONE TIUPATIENT,ONE       09-12-44
666233456     YES
SC VETERAN
            (2 notes)  C: 05/28/96 12:37
            (2 notes)  W: 05/28/96 12:33
                       A: Known allergies
            (2 notes)  D: 05/28/96 12:36

Available notes:  02/17/96 thru 06/21/96  (31)
```

3. **Enter the range of dates for progress notes you want to print.**

4. **Choose a note from those listed.**

```
Please specify a date range from which to select notes:
List notes Beginning: 02/17/96// <Enter>  (FEB 17, 1996)
                Thru: 06/21/96// <Enter> (JUN 21, 1996)

1   06/21/96 11:40  Lipid Clinic                      Three TIUProvider,
                    Visit: 02/21/96
2   06/21/96 11:38  Social Work Service               Three TIUProvider,
                    Visit: 04/18/96
3   06/07/96 00:00  Diabetes Education                One TIUProvider, MD
                    Visit: 04/18/96
4   05/15/96 13:10  Addendum to Diabetes Education    Seven TIUProvider
                    Visit: 02/21/96
5   04/24/96 15:41  Lipid Clinic                      Three TIUProvider,
                    Visit: 04/24/96
6   02/23/96 14:08  Diabetes Education                Three TIUProvider,
                    Visit: 02/21/96
Choose notes:  (1-6):3, 5
Do you want WORK copies or CHART copies? CHART// <Enter>
DEVICE: HOME// <Enter>  VAX
```

Progress Notes Print Example

```
------------------------------------------------------------------------------
TIUPATIENT,ONE  666-23-3456                                   Progress Notes
------------------------------------------------------------------------------
NOTE DATED: 06/07/96 17:51    DIABETES EDUCATION
ADMITTED: 07/22/95 11:06 1A
SUBJECT: Routine diabetes education

Patient understanding good.

                  Signed by: /es/ One TIUProvider, MD
                                  Medical Internist 06/23/96 08:34
                                  Analog Pager:  555-1213
                                  Digital Pager: 555-1215
                Cosigned by: /es/ TIUProvider,Six
                                   06/23/96 08:34
                                  Analog Pager: 555-1213
                                  Digital Pager:555-1215

NOTE DATED: 04/24/96 08:00    ARTERIAL EVALUATION - LOWER EXTREMITY
VISIT: 04/17/92 08:00 FOURTEEN'S CLINIC
SUBJECT: Rule out embolus, lower extremity

                AGE:  50
               UNIT:  General Medicine
       REFERRING MD:  Six TIUProvider
          DIAGNOSIS:  Rule out embolus

            HISTORY:  severe pedal edema, foot ulcers

              OTHER:  cyanosis
           SYMPTOMS:
   RESTING SYMPTOMS:
EXERTIONAL SYMPTOMS:
            LESIONS:
        MEDICATIONS:
RECORDED                            RECORDED
AUDIBLE DOPPLER SIGNAL    RIGHT   LEFT   DOPPLER WAVEFORM:    RIGHT  LEFT
  COMMON FEMORAL          _____   _____    COMMON FEMORAL     _____  _____

  SUPERFICIAL FEMORAL     _____   _____    PRE-EXERCISE       _____  _____
  POPLITEAL               _____   _____    POST-EXERCISE      _____  _____
  POSTERIOR TIBIAL        _____   _____    OTHER              _____  _____
  DORSALIS PEDIS          _____   _____

   N=NORMAL   ABN=ABNORMAL    O=ABSENT    B=BIPHASIC

TRANSCUTANEOUS PO2 VALUES:
                              RIGHT           LEFT
   SUBCLAVICULAR              ___40___        ___40___
   ABOVE KNEE                 ___39___        ___40___
   HIGH BK                    ___39___        ___40___
   CALF                       ___37___        ___39___
   ANKLE                      ___36___        ___39___
   DORSUM OF FOOT             ___22___        ___38___
   OTHER                      ___18___        ___38___
Enter RETURN to continue or '^' to exit: <Enter>
```

Progress Notes Print Example cont'd

```
------------------------------------------------------------------------------
TIUPATIENT,ONE  666-23-3456                                   Progress Notes
------------------------------------------------------------------------------
04/24/92 08:00       ** CONTINUED FROM PREVIOUS SCREEN **
   40      =ADEQUATE FOR HEALING
   39-30   =EQUIVOCAL FOR HEALING
   29-0    =INADEQUATE FOR HEALING

SEGMENTAL SYSTOLIC BLOOD PRESSURE:
                            RIGHT   INDEX          LEFT    INDEX
   ARM                      _______________        _______________
   HIGH THIGH               _______________        _______________
   ABOVE KNEE               _______________        _______________
   BELOW KNEE               _______________        _______________
   ANKLE  PT                _______________        _______________
   DP                       _______________        _______________


 EXERCISE RESPONSE:

       MPH:     5 mph


       MAXIMUM WALKING TIME:  _10_ MIN _30_ SEC

       SYMPTOMS: Pedal edema, cyanosis

       MAXIMUM HEART RATE ACHIEVED:

          TIME         RIGHT INDEX        LEFT INDEX         ARM

          1 MINUTE     _____________      _____________      _____________
          3 MINUTES    _____________      _____________      _____________
          5 MINUTES    _____________      _____________      _____________
         10 MINUTES    _____________      _____________      _____________
         15 MINUTES    _____________      _____________      _____________
         20 MINUTES    _____________      _____________      _____________

POST EXERCISE:

IMPRESSIONS:

                  Signed by: /es/ Three TIUProvider, MD
                                  Medical Internist 04/24/96 14:19
                                  Analog Pager:  555-1213
                                  Digital Pager: 555-1215

Enter RETURN to continue or '^' to exit: ^

   1      Discharge Summary Print
   2      Progress Note Print
   3      Clinical Document Print

Select Print Document Menu Option: <Enter>
```

Clinical Document Print

Use this option to print chart or work copies of all clinical documents available through TIU.

Steps to use option:

1. Select *Clinical Document Print* from the Print Document Menu, and then enter a patient name.

```
Select Print Document Menu Option: 3  Clinical Document Print
Select PATIENT NAME: TIUPATIENT,ONE TIUPATIENT,ONE       09-12-44     666233456
YES
SC VETERAN
            (2 notes)  C: 05/28/96 12:37
            (2 notes)  W: 05/28/96 12:33
                       A: Known allergies
            (2 notes)  D: 05/28/96 12:36

Available documents:  02/17/92 thru 06/21/96  (34)
```

2. Enter a date range that documents will be chosen from.

```
Please specify a date range from which to select documents:
List documents Beginning: 02/17/92// 6/1/96  (JUN 01, 1996)
                    Thru: 06/21/96// 6/8/96  (JUN 08, 1996)

1   06/07/96 00:00  Diabetes Education                One TIUProvider,
                    Visit: 04/18/96
2   06/05/96 17:23  Lipid Clinic                      Three TIUProvider,
                    Visit: 04/18/96
3   06/05/96 11:10  Addendum to Lipid Clinic          Three TIUProvider,
                    Visit: 04/24/96
```

Choose the document or documents you would like printed, and whether you want work or chart copies.

```
Choose documents:  (1-3): 1-3
Do you want WORK copies or CHART copies? CHART// <Enter>
DEVICE: HOME//  PRINTER
```

4. The document(s) will then be printed at the device you specify.

Search for Selected Documents

Use this option to generate a list of selected documents based on extended search criteria (e.g., status, search category, and reference date range).

Steps to use option:

1. Select *Search for Selected Documents* from the MIS Manager Menu.

2. Select the status of the documents you want to view (completed, unsigned, amended, etc.).

```
Select Text Integration Utilities (MIS Manager) Option:  Search for Selected
Documents

Select Status: COMPLETED// UNV   unverified
```

3. Select the type of documents you want to view (progress notes, discharge summary, etc.).

```
Select CLINICAL DOCUMENTS Type(s):  All Discharge Summary, Progress Notes,
Addendum
```

4. To make your search more specific, select one or more categories for the documents you want to view:

All Categories Patient Title
Author Problem Transcriptionist
Division Expected Cosigner Service
Treating Specialty Hospital Location Subject
Visit

```
Select SEARCH CATEGORIES: AUTHOR// SERVICE
Select SERVICE: MEDICINE
```

5. To limit the search even further, specify a time period for the documents you want to view:

```
 Start Reference Date [Time]: T-7//T-30
Ending Reference Date [Time]: NOW// <Enter>
Searching for the documents....
```

6. After the documents are displayed, you can choose one of the actions listed below (amend, browse, delete, etc.) to perform on one or more of the documents.

```
UNVERIFIED Documents        Jun 09, 1997 10:11:11       Page:  1 of  1
              by ALL CATEGORIES from 04/10/97 to 06/09/97  4 documents
    Patient          Document                      Ref Date    Status
1 TIUPATIENT (T3456) Addendum to Discharge Summary 06/05/97 unverified
2 TIUPATIENT (T3456) Addendum to Discharge Summary 06/05/97 unverified
3 TIUPATIENT (T3456) Addendum to Discharge Summary 06/04/97 unverified
4+ TIUPATIEN (T3456) Discharge Summary             05/25/97 unverified









         + Next Screen  - Prev Screen  ?? More Actions             >>>
     Find                       Delete Document           Browse
     On Chart                   Reassign                  Print
     Edit                       Send Back                 Change View
     Verify/Unverify            Detailed Display          Quit
     Amend Document
Select Action: Quit// v=3   Verify/Unverify
```

```
Opening Addendum record for review...
Verify Document           Jun 09, 1997 10:11:46      Page:  1 of   33
                                Addendum
TIUPATIENT,ONE   666-12-3456   2B             Visit Date: 09/21/95@10:00

   DICT DATE: JUN 04, 1997           ENTRY DATE: JUN 05, 1997@16:10:02
 DICTATED BY: TIUPROVIDER,ONE            ATTENDING: TIUPROVIDER,THREE
     URGENCY: routine                    STATUS: UNVERIFIED


DIAGNOSIS:

1.  Status post head trauma with brain contusion.
2.  Status post cerebrovascular accident.
3.  End stage renal disease on hemodialysis.
4.  Coronary artery disease.
5.  Congestive heart failure.
6.  Hypertension.
7.  Non insulin dependent diabetes mellitus.
+         + Next Screen  - Prev Screen  ?? More actions
     Find                       Verify/Unverify
     Print                      Quit
Select Action: Next Screen// v   Verify/Unverify
Do you want to edit this Discharge Summary? NO// <Enter>
VERIFY this Discharge Summary? NO// y  YES
Discharge Summary VERIFIED.
Refreshing the list.
```

Correcting Documents that are Entered in Error

Reassigning signed documents is restricted to the "Chief, MIS User Class." This includes notes that are awaiting a co-signature. If the document is completely unsigned, users who are Author/Dictator or users with proper authorization may reassign it.

Besides reassigning a note to a different patient, admission, or visit, the reassign action may be used to promote an Addendum as an Original, swap the Addendum and the Original, change a discharge summary to an Addendum.

The basic reassign process includes the following steps:

1. **Electronic signature challenge.** If the document is already signed, TIU asks for the electronic signature of the Chief of MIS.
2. **Retract.** If the document is moved to a different patient, TIU retracts the document.
3. **Re-edit original visit.** If necessary, the PCE information is updated for the original visit.
4. **Edit destination visit.** If necessary, PCE information is collected or revised for the new visit.
5. **Sign.** The original provider needs to sign the document. If the document was moved to a different patient, TIU removes the original signature.

In the following example, an unsigned note is transferred from one patient to another:

```
Select OPTION NAME: TIU MAIN MENU MGR   Text Integration Utilities (MIS
Manager)

                          --- MIS Managers Menu ---

   1      Individual Patient Document
   2      Multiple Patient Documents
   3      Print Document Menu ...
   4      Search for Selected Documents
   5      Statistical Reports ...
   6      Unsigned/Uncosigned Report
   7      Missing Text Report
   8      Missing Text Cleanup
   9      Signed/unsigned PN report and update
   10     UNKNOWN Addenda Cleanup
   11     Missing Expected Cosigner Report
   11     Missing Expected Cosigner Report
   12     Mark Document as 'Signed by Surrogate'
   13     Mismatched ID Notes
   14     TIU 215 ANALYSIS ...
   15     Transcription Billing Verification Report
...16     CWAD/Postings Auto-Demotion Setup

Select Text Integration Utilities (MIS Manager) Option: 1  Individual Patient
Do
cument
Select PATIENT NAME: TIUPATIENT,E
   1   TIUPATIENT,ELEVEN        4-2-44    666568765     YES     NON-SERVICE
CONNEC
TED    THIS IS A TEST
```

```
   2   TIUPATIENT,TWENTY        4-1-48    666090934     NO     NON-SERVICE
CONNECTED

CHOOSE 1-4: 2  TIUPATIENT,TWENTY        4-1-48    666090934     NO     NON-
SERVICE CO
```

Correcting Documents that are Entered in Error cont'd

```
NNECTED    THIS IS A TEST
            (1 note )  C: 03/16/99 10:20

Available documents:  11/23/1998 thru 01/19/2001  (19)
Please specify a date range from which to select documents:
List documents Beginning: 11/23/1998// <Enter>  (NOV 23, 1998)
                    Thru: 01/19/2001// <Enter>  (JAN 19, 2001)
1   01/19/2001 10:27  Infection Control                     TIUPROVIDER,O
                      Visit: 01/26/1999
2   12/30/2000 16:00  + Discharge Summary                   TIUPROVIDER,T
                        Adm: 12/25/2000  Dis: 12/30/2000
3   11/01/2000 14:00  Discharge Summary                     TIUPROVIDER,T
                        Adm: 04/19/2000  Dis: 11/01/2000
4   04/24/2000 00:00  Discharge Summary                     TIUPROVIDER,T

Choose one or more documents:  (1-4):1
```

```
Browse Document                Jan 19, 2001 10:33:50      Page:    1 of    1◄
                               Infection Control
TIUPATIENT,NINE  666-09-2591  AUDIOLOGY AND SPE Visit Date: 01/26/1999 17:50
                                                                          ◄
DATE OF NOTE: JAN 19,2001@10:27:57   ENTRY DATE: JAN 19,2001@10:27:58
      AUTHOR: TIUPROVIDER,SEVEN          EXP COSIGNER:
     URGENCY:                            STATUS: UNSIGNED

Pt is very sick...
```

```
          + Next Screen  - Prev Screen  ?? More actions
     Find                      On Chart                  Reassign
     Print                     Amend                     Send Back
     Edit                      Delete                    Quit
     Verify/Unverify
Select Action: Quit// R   Reassign
```

```
Are you sure you want to REASSIGN this Infection Control? NO// Y  YES

Please choose the correct PATIENT and CARE EPISODE:

Select PATIENT NAME: TIUPATIENT,N
   1   TIUPATIENT,NINE   *SENSITIVE*    *SENSITIVE*     NO     EMPLOYEE    THIS
IS A TEST
   2   TIUPATIENT,NINE        1-1-65    666344321     YES     SC VETERAN
THIS
IS A TEST
CHOOSE 1-2: 2  TIUPATIENT,NINE        1-1-65    666344321     YES     SC
VETERAN
   THIS IS A TEST

            (1 note )  W: 09/15/98 08:29
                       A: Known allergies
```

```
 Enrollment Priority: GROUP 1    Category: IN PROCESS    End Date:

This patient is not currently admitted to the facility...

Is this note for INPATIENT or OUTPATIENT care? OUTPATIENT// <Enter>
```

Correcting Documents that are Entered in Error cont'd

```
The following SCHEDULED VISITS are available:

   1>  AUG 20, 1999@08:00                        NINE CLINIC
   2>  JUL 30, 1999@09:00                        NINE CLINIC
   3>  JUL 29, 1999@09:15                        NINE CLINIC
   4>  JUN 03, 1999@13:00                        NINE CLINIC
   5>  JUL 22, 1997@09:00  INPATIENT APPOINTMENT  SIX CLINIC
CHOOSE 1-5, or
<U>NSCHEDULED VISITS, <F>UTURE VISITS, or <N>EW VISIT
<RETURN> TO CONTINUE
OR '^' TO QUIT: 2  JUL 30 1999@09:00

Enter/Edit PROGRESS NOTE...
          Patient Location:  NINE CLINIC
        Date/time of Visit:  07/30/99 09:00
         Date/time of Note:  01/19/01 10:27
            Author of Note:  TIUPROVIDER,SEVEN
   ...OK? YES//
AUTHOR/DICTATOR: TIUPROVIDER,SEVEN//

Infection Control Reassigned.

Press RETURN to continue...

Select PATIENT NAME:
```

Rescinding Advance Directives

Patch TIU*1*261 supports Imaging patch MAG*3.0*121. The two patches are being released in a combined release, with TIU*1*261 requiring MAG*3.0*121. Patch MAG*3.0*121 provides the ability to watermark images "RESCINDED".

Patch TIU*1*261 permits an authorized user to rescind an Advance Directive document by changing the title to RESCINDED ADVANCE DIRECTIVE.

MAG*3.0*121 takes it from there and watermarks any linked images "RESCINDED".

NOTE: Exact title names are required

Exact title names are required. The title of the Advance Directive to be rescinded must be ADVANCE DIRECTIVE

The title it is changed to when it is being rescinded must be
RESCINDED ADVANCE DIRECTIVE

Both LOCAL and National Standard titles must be as above. Variations on either title will cause the Change Title action to fail to watermark images as rescinded.
These exact titles are required by policy. See the VHA HANDBOOK 1004.02 section on Advance Directives:
http://vaww1.va.gov/vhapublications/ViewPublication.asp?pub_ID=2042

Example

```
Select OPTION NAME: TIU MAIN MENU MGR     Text Integration Utilities (MIS
Manager)   menu


Select Text Integration Utilities (MIS Manager) Option: 1  Individual Patient
Document
Select PATIENT NAME: CPRSPATIENT,TWO
            (1 notes)   D: 12/20/2002  09:07
 Enrollment Priority: GROUP 3    Category: IN PROCESS    End Date:


Available documents:  12/17/1998 thru 01/10/2012  (231)

Please specify a date range from which to select documents:

List documents Beginning: 12/17/1998// 01/10/11  (JAN 10, 2011)
                    Thru: 01/10/2012//   (JAN 10, 2012)

1   01/10/2012 11:44  ADVANCE DIRECTIVE          CPRSPROVIDER,ONE
                        Adm: 12/20/2002  Dis:

One document found within date range...

Opening ADVANCE DIRECTIVE record for review...
```

```
Browse Document                Jan 10, 2012@11:52:57          Page:    1 of    1
                               ADVANCE DIRECTIVE
CPRSPATIENT,TWO  666-54-8668   1A(1&2)           Adm: 12/20/2002  Dis:

STANDARD TITLE: ADVANCE DIRECTIVE
DATE OF NOTE: JAN 10, 2012@11:44:13  ENTRY DATE: JAN 10, 2012@11:44:13
      AUTHOR: CPRSPROVIDER,ONE           EXP COSIGNER:
     URGENCY:                            STATUS: UNSIGNED

DNR                        URGENCY: STATUS: COMPLETED
                        VistA Imaging - Scanned Document
                            *** SCANNED DOCUMENT ***
                             SIGNATURE NOT REQUIRED
                        Electronically Filed: 06/23/2011
                              by: CPRSPROVIDER, ONE


          + Next Screen  - Prev Screen  ?? More actions
>>>
     Find                      Sign/Cosign               Link ...
     Print                     Copy                      Encounter Edit
     Edit                      Identify Signers          Interdiscipl'ry Note
     Make Addendum             Delete                    Quit
Select Action: Quit// ct   CT
TITLE: ADVANCE DIRECTIVE// RESCINDED ADVANCE DIRECTIVE       TITLE
      Std Title: RESCINDED ADVANCE DIRECTIVE
         ...OK? Yes//   (Yes)

The title of this note will be changed to RESCINDED ADVANCE DIRECTIVE and
linked images will be watermarked 'RESCINDED'. OK? NO// YES
Title changed; Image queued for watermarking.
Press RETURN to continue...
```

Creating Post-Signature Alerts Based on Progress Note Title

The Create Post-Signature Alerts [TIUFPC CREATE POST-SIGNATURE] option in the Document Definitions (Manager) [TIUF DOCUMENT DEFINITION MGR] menu allows clinicians and providers to create progress notes that automatically generate a notification (alert) to designated recipients based on the progress note title. This enables immediate communication of time-sensitive patient information to designated individuals or groups. These alerts are specific to each VA Medical Center.

To create or edit a Post-Signature Alert:

1. Select the Create Post-Signature Alerts [TIUFPC CREATE POST-SIGNATURE] option in the Document Definitions (Manager) [TIUF DOCUMENT DEFINITION MGR] menu.
2. At the "Select TIU DOCUMENT DEFINITION NAME" prompt, enter the progress note title that will generate the alert. Typing “??” and then pressing Enter provides a list of titles already available in VistA.

   If an alert is already associated with this title, then the existing Post-Signature code is displayed—continue to Step 3. If there is no existing alert associated with the title, skip to Step 4.
3. If an alert is already associated with the selected title, then the Post-Signature code is displayed and the "Do you want to change the Code? (YES or NO)? NO// " prompt is displayed.

   Enter “YES” if you wish to change the code, and then complete the remaining steps in this procedure. Enter "NO" to retain the current code. The "Enter <RETURN> for another TIU Document Definition Name or '^' to exit" prompt displays and you have the option to enter another title (returning you to Step 2) or exit "Enter Post-Signature Code for Alert."

```
                        Enter Post-Signature Code for Alert
                        ===================================

Select TIU DOCUMENT DEFINITION NAME: RESTRAINT
     1   RESTRAINT PROGRESS NOTE AND EVERY TWO HOUR FLOW SHEET       TITLE
      Std Title: SECLUSION RESTRAINT NOTE
     2   RESTRAINT  12-8 RESTRAINT DOCUMENTATION 1:1 OR SOFT - 12-8
TITLE
     3   RESTRAINT  8-4 RESTRAINT DOCUMENTATION 1:1 OR SOFT - 8-4
TITLE
     4   RESTRAINT  4-12 RESTRAINT DOCUMENTATION 1:1 OR SOFT 4-12
TITLE
     5   RESTRAINT  BEHAVIOR RESTRAINT DOCUMENT 12-8     TITLE
      Std Title: NURSING SECLUSION RESTRAINT NOTE
Press <Enter> to see more, '^' to exit this list,  OR
CHOOSE 1-5: 1  RESTRAINT PROGRESS NOTE AND EVERY TWO HOUR FLOW SHEET
TITLE
      Std Title: SECLUSION RESTRAINT NOTE

The POST-SIGNATURE Code in 'RESTRAINT PROGRESS NOTE AND EVERY TWO HOUR
FLOW SHEE
T' was created by this option.
It is --> D EN^TIUPSCA("G.BCMA DUE LIST ERRORS","AUTOPRT","")

Do you want to change the Code? (YES or NO)? NO// YES
```

4. At the "Choose RECIPIENTS to receive the alert (N/I/G/T) or '^' to exit" prompt, select the recipients who will receive the alert every time this note title is used. Choosing I, G, or T enables you to define which individual(s) or group(s) will receive the alert.

   - N/A – Select if you do not want to specify an Individual User, Mailgroup, or Team List to receive the alert.
   - Individual User – A single defined person will receive the alert.
   - Mailgroup – An established mailgroup will receive the alert.
   - Team List – An established team list will receive the alert.

   NOTE: Do not use mailgroup or team list names containing special characters other than parentheses "( )" or asterisks "*". Use of other special characters might result in an alert not being received by the intended recipients.

```
      Select one of the following:

           N         N/A
           I         INDIVIDUAL USER
           G         MAILGROUP
           T         TEAM LIST (OE/RR with Queued Alert)

Choose RECIPIENTS to receive the alert (N/I/G/T) or '^' to exit: G
MAILGROUP
Select MAIL GROUP NAME: BCMA DUE LIST ERRORS
```

5. At the "Choose an alert ROUTINE from the above listing:" prompt, set the alert routine to run when this title is used.

- N/A – Use when no conditional alert is needed; the alert will be sent only to the recipients designated in Step 4.

  NOTE: If you select N/A both here and in Step 4, then you will be provided with an option to delete the Post-Signature code associated with this title (including pre-existing code) or to cancel this code change (which retains any pre-existing code).

- PCP – Sends the alert to the Primary Care Provider designated for each patient.
- AUTOPRT – Use to auto-print to the printer designated as the chart copy print device at the patient's location.

6. The "DEVICE NAME (Optional) for Paper Alert:" prompt displays if either PCP or AUTOPRT was selected in the previous step. This is an option to generate a printout containing the patient's name and the progress note title, which is useful to notify clinicians who are not at their computer when the note is entered. Pressing Enter sends the printout to a default printer.

   NOTE: Do not use device names containing special characters other than parentheses "( )" or asterisks "*". Use of other special characters might result in an alert not being received by the intended recipients.

```
1) N/A- No Conditional Alert is needed
2) PCP- Include patient's Primary Care Provider from PCMM as a recipient
3) AUTOPRT- Generate message to chart copy printer at encounter location

Choose an alert ROUTINE from the above listing:  (1-3): 3


DEVICE NAME (Optional) for Paper Alert:
```

7. The code that will be generated based on your selections is displayed for confirmation. Type YES to accept the code. Type NO to return to the initial Create Post-Signature Alert screen—this will discard your previously entered selections.

```
The Post-Signature code for 'RESTRAINT PROGRESS NOTE AND EVERY TWO HOUR FLOW
SHE
ET' will be set as follows...
POST-SIGNATURE CODE: D EN^TIUPSCA("G.BCMA DUE LIST ERRORS","AUTOPRT","")

Do you want to update Post-Signature Code into 'RESTRAINT PROGRESS NOTE AND
EVER
Y TWO HOUR FLOW SHEET'? NO// YES


The Post-Signature code for 'RESTRAINT PROGRESS NOTE AND EVERY TWO HOUR FLOW
SHE
ET' has been updated as follows...
POST-SIGNATURE CODE: D EN^TIUPSCA("G.BCMA DUE LIST ERRORS","AUTOPRT","")
```

The progress note title with the defined parameters to create an alert is now available. When a user creates and signs a new progress note using this title, the designated recipients will receive an alert.

Statistical Reports

Use this menu to produce statistical reports for line counts and timeliness by Author, Transcriptionist, or Service.

☞ **NOTE: These reports are designed for a margin width of 132.**

Option	Description
TRANSCRIPTIONIST Line Count Statistics	This option allows generation of statistical reports of line counts and timeliness data by transcriptionist (or the person who entered the document).
SERVICE Line Count Statistics	This option allows generation of statistical reports of line counts and timeliness data by SERVICE (e.g., Medical Service, Surgical Service, Psychiatry Service, etc.).
AUTHOR Line Count Statistics	This option allows generation of statistical reports of line counts and timeliness data by AUTHOR (or Dictating practitioner).

TRANSCRIPTIONIST Line Count Statistics

```
DISCHARGE SUMMARY Line Count Statistics by TRANSCRIPTIONIST - ISC-SLC-A4
                                                                JUN 27,1996  09:51    PAGE 1
                    Line
Transcriber         Count   Ref Date     Patient         Disch-Dict     Dict-Transcr  Transcr-Sign Sign-
Cosign
-------------------------------------------------------------------------------------------------------


BS                    0   JUN 19,1996   TIUPATIENT,SEVEN                  0
Discharg
                     73   JUN 11,1996   TIUPATIENT,FIVE                   1
Discharg
                     78   MAY 31,1996   TIUPATIENT,SEVEN  7               1
Discharg
                     72   MAR 25,1996   TIUPATIENT,EIGHT                  1              0              0
Discharg
                     78   MAR 24,1996   TIUPATIENT,NINE   -1              1              0              0
Discharg
                     73   MAR 23,1996   TIUPATIENT,ELEVE                  1              0              0
Discharg
                     73   FEB 12,1996   TIUPATIENT,ONE    84              2
Discharg
                     80   FEB  8,1995   TIUPATIENT,TWELV                                 0             44
0            Discharg
                     96   FEB  8,1995   TIUPATIENT,ELEVE                  0             44              0
Discharg
               --------                                  ---            ---            ---            ---
SUBTOTAL             623                                  90              7             88              0
SUBCOUNT               9                                   3              9              5              5
SUBMEAN            69.22                                 30.00           0.78          17.60

DP                     1   JAN 10,1996   TIUPATIENT,FIVE  1004             0              0              0
Discharg
               --------                                  ---            ---            ---            ---
SUBTOTAL               1                                 1004             0              0              0
SUBCOUNT               1                                   1              1              1              1
SUBMEAN             1.00                                 1004.00

SBW                    0   MAY 25,1996   TIUPATIENT,SEVEN                  1
Discharg
               --------                                  ---            ---            ---            ---
SUBTOTAL                                                   0              1              0              0
SUBCOUNT               1                                   0              1              0              0
SUBMEAN                                                                  1.00

jg                     0   FEB 12,1996   TIUPATIENT,ONE    97              0
Addendum
               --------                                  ---            ---            ---            ---
SUBTOTAL                                                  97              0              0              0
SUBCOUNT               1                                   1              1              0              0
SUBMEAN                                                 97.00
               --------                                  ---            ---            ---            ---
TOTAL                624                                1191              8             88              0
COUNT                 12                                   5             12              6              6
MEAN               52.00                                238.20           0.67          14.67           0.00
```

Line Count Statistics by AUTHOR

```
DISCHARGE SUMMARY Line Count Statistics by AUTHOR - ISC-SLC-A4          JUN 27,1996  09:53    PAGE 1
                   Line
Author            Count   Ref Date      Patient      Disch-Dict   Dict-Transcr  Transcr-Sign      Sign-Cosign
-------------------------------------------------------------------------------------------------------------
TIUPROVIDER,T         0   FEB 12,1996   TIUPATIENT,ONE 97           0                                Addendum
                --------                                ---         ---         ---        ---
SUBTOTAL                                                 97           0           0          0
SUBCOUNT              1                                   1           1           0          0
SUBMEAN                                                97.00

TIUPROVIDER,O         0   JUN 19,1996   TIUPATIENT,SEV               0                               Discharg
                     73   JUN 11,1996   TIUPATIENT,TWO               1                               Discharg
                     78   MAY 31,1996   TIUPATIENT,SEV  7            1                               Discharg
                     72   MAR 25,1996   TIUPATIENT,NIN               1           0          0        Discharg
                     78   MAR 24,1996   TIUPATIENT,SEV -1            1           0          0        Discharg
                     73   MAR 23,1996   TIUPATIENT,ELE               1           0          0        Discharg
                     73   FEB 12,1996   TIUPATIENT,ONE 84            2                               Discharg
                --------                                ---         ---         ---        ---
SUBTOTAL            447                                  90           7           0          0
SUBCOUNT              7                                   3           7           3          3
SUBMEAN           63.86                                30.00        1.00

TIUPROVIDER,S        80   FEB  8,1995   TIUPATIENT,TWE               0          44          0        Discharg
                     96   FEB  8,1995   TIUPATIENT,THI               0          44          0        Discharg
                --------                                ---         ---         ---        ---
SUBTOTAL            176                                   0           0          88          0
SUBCOUNT              2                                   0           2           2          2
SUBMEAN           88.00                                                          44.00

TIUPROVIDER,F         1   JAN 10,1996   TIUPATIENT,ONE1004           0           0          0        Discharg
                --------                                ---         ---         ---        ---
SUBTOTAL              1                                1004           0           0          0
SUBCOUNT              1                                   1           1           1          1
SUBMEAN            1.00                                1004.00
TIUPROVIDER,E         0   MAY 25,1996   TIUPATIENT,EIG               1                               Discharg
                --------                                ---         ---         ---        ---
SUBTOTAL                                                  0           1           0          0
SUBCOUNT              1                                   0           1           0          0
SUBMEAN                                                                1.00
                --------                                ---         ---         ---        ---
TOTAL               624                                1191           8          88          0
COUNT                12                                   5          12           6          6
MEAN              52.00                                238.20       0.67       14.67       0.00
```

Line Count Statistics by SERVICE

```
DISCHARGE SUMMARY Line Count Statistics by SERVICE - ISC-SLC-A4                JUN 27,1996  09:42    PAGE 1
                   Line
Service           Count   Ref Date      Patient    Disch-Dict Dict-Transcr  Transcr-Sign       Sign-Cosign
-------------------------------------------------------------------------------------------------------------


MEDICINE              0   JUN 19,1996   TIUPATIENT,SEV         0                                Discharg
                     73   JUN 11,1996   TIUPATIENT,TWO         1                                Discharg
                     78   MAY 31,1996   TIUPATIENT,SEV 7       1                                Discharg
                     80   FEB  8,1995   TIUPATIENT,ELE         0          44         0          Discharg
                     96   FEB  8,1995   TIUPATIENT,TWE         0          44         0          Discharg
                --------                                  ---       ---         ---       ---
SUBTOTAL            327                                     7        2          88         0
SUBCOUNT              5                                     1        5           2         2
SUBMEAN           65.40                                  7.00     0.40       44.00



SURGERY               0   FEB 12,1996   TIUPATIENT,ONE97       0                                Addendum
                      1   JAN 10,1996   TIUPATIENT,S1004      0          0          0          Discharg
                --------                                  ---       ---         ---       ---
SUBTOTAL              1                                  1101       0          0          0
SUBCOUNT              2                                     2        2          1          1
SUBMEAN            0.50                                550.50
                --------                                  ---       ---         ---       ---


TOTAL               328                                  1108       2          88         0
COUNT                 7                                     3        7          3          3
MEAN              46.86                                 369.33   0.29       29.33      0.00
```

Unsigned/Uncosigned Report

Lists detailed document information such as author, patient, patient SSN, etc. for notes with no signature and/or cosignature. Optionally, a summary report can be generated showing the number of unsigned and uncosigned documents in each service.

In the following example, a summary report is generated for all divisions:

```
Select Text Integration Utilities (MIS Manager) Option: 6  Unsigned/Uncosigned
Report
Select division: ALL// <Enter>

Please specify an Entry Date Range:

 Start Entry Date: T-180  (AUG 08, 2003)
Ending Entry Date: T  (FEB 04, 2004)

Select service: ALL// <Enter>

     Select one of the following:

          F         FULL
          S         SUMMARY

Type of Report: S  SUMMARY

DEVICE: HOME// <Enter> ANYWHERE

                   Unsigned and Uncosigned Documents Aug 08, 2003 thru Feb 04,
2
004@23:59:59Page 1
PRINTED:                  for SALT LAKE CITY HCS
FEB 04, 2004@09:16
-------------------------------------------------------------------------------

 Totals for Service: IRM--- UNSIGNED: 1  UNCOSIGNED: 0

Totals for Division: SALT LAKE CITY HCS--- UNSIGNED: 1  UNCOSIGNED: 0

Enter RETURN to continue or '^' to exit:
```

Missing Text Report

This report lists TIU Documents that do not have any report text, are missing the 0 node of the text node, or both cases. The report results have the following categories:
Missing Text Only. This means the note has a 0 TEXT node, but no text (and this can be fine depending on the status of the document, such as undictated).
Missing 0 Node Only. This means the note has text but no 0 TEXT node.
Missing 0 node & Text. This means the note doesn't have a 0 TEXT node or text.

This cause of this condition is unknown and has only been reported from a few sites. Nevertheless, this report should be run by all sights. If any missing text documents are found, refer to the discussion under Missing Text Cleanup below for guidance.

The report can be run as often as needed to track the occurrences of documents without text and missing the 0 text node. It is advised to run the report on a regular interval (once per week or month) to track an increase or decrease of reported documents missing text or the 0 text node.

A delimited form of the report can be provided for users who want to put the report into a spreadsheet program.

In the following example a report is generated starting June 1, 2004:

```
Select Text Integration Utilities (MIS Manager) Option: ?

   1      Individual Patient Document
   2      Multiple Patient Documents
   3      Print Document Menu ...
   4      Search for Selected Documents
   5      Statistical Reports ...
   6      Unsigned/Uncosigned Report
   7      Missing Text Report
   8      Missing Text Cleanup
   9      Signed/unsigned PN report and update
   10     UNKNOWN Addenda Cleanup
   11     Missing Expected Cosigner Report

Enter ?? for more options, ??? for brief descriptions, ?OPTION for help text.

Select Text Integration Utilities (MIS Manager) Option: 7  Missing Text Report


START WITH REFERENCE DATE:  Jan 01, 2003//jun 1, 2004  (JUN 01, 2004)
     GO TO REFERENCE DATE:  Mar 04, 2005// <Enter> (MAR 04, 2005)

Would you like a delimited report? NO// <Enter>

DEVICE: HOME// <Enter>  ANYWHERE

Searching...

Date range searched:  Jun 01, 2004 - Mar 04, 2005
       # of Records:
                           Searched   1074
                   Missing Text Only      1
                 Missing 0 Node Only      0
```

```
               Missing 0 node & Text      4
                                       ----
                                Total      5

                Elapsed Time:  0 minute(s) 0 second(s)
                Current User:  CPRSPROVIDER,SEVEN
                Current Date:  Mar 04, 2005@15:08:43

Doc #       Entry Date/Time                 Title
Missing     Reference Date/Time             Patient
Status      Signature Date/Time             Author/Dictator
------      -------------------             ---------------
28476       Jun 04, 2004@13:09:06           MRS TEST NOTE
0/Text      Jun 04, 2004@13:08              CPRSPATIENT,TWO(3213)
COMPLETED   Jun 04, 2004@13:12:08           CPRSPROVIDER,FIVE

28481       Jun 04, 2004@13:54:45           H&P GENERAL MEDICINE
0/Text      Jun 04, 2004@13:54              CPRSPATIENT,FIVE(8828)
COMPLETED   Jun 04, 2004@13:57:22           CPRSPROVIDER,FIVE

28520       Jun 04, 2004@13:54:47           GENERAL MEDICINE
0/Text      Jun 04, 2004@13:54              CPRSPATIENT,ONE(8846)
COMPLETED   Jun 04, 2004@13:57:23           CPRSPROVIDER,SEVEN

28522       Jun 04, 2004@14:02:49           H&P GENERAL MEDICINE
Text        Jun 04, 2004@14:02              CPRSPATIENTFEMALE,EIGHT(8662)
COMPLETED   Jun 04, 2004@14:03:43           CPRSPROVIDER,FIVE

29498       Jan 18, 2005@11:34:16           PRIMARY CARE NOTE
0/Text      Jan 18, 2005@11:33              CPRSPATIENT,THREE(6626)
COMPLETED   Jan 18, 2005@11:37:34           CPRSPROVIDER,TWO


Press RETURN to continue...:
```

Missing Text Cleanup

☞ **Note:** The TIU MISSING TEXT REPORT should be run prior to running the cleanup. Refer to the documentation on the previous page for TIU MISSING TEXT REPORT for cause and frequency to run that report.

This is a utility designed to help clean up TIU documents with no text. Before using this utility, a number of other things should be tried. They are:

- NO TEXT in DOCUMENT body with no attached addendum or image, document may or may not have the "TEXT" 0 node as indicated by the report. Delete or retract the document (based upon status); no disclaimer is needed.

- If the "TEXT" 0 node is missing as indicated by the report and the document has text:
  - For direct entry documents, contact author to make an addendum to the note and add the missing information. Sites may determine the allowable timeframe to permit the author entering the addendum with the missing information. If the author is no longer at the site or the timeframe has passed, the HIMS Manager or designee should enter an addendum with the following disclaimer:

    "DISCLAIMER: This completed document contains missing text that was electronically deleted in error"

  - For uploaded documents, contact the transcription company to re-upload if possible or contact the author to make an addendum to the note and add the missing information.

The cleanup utility retracts documents within a date range that meet certain criteria. The criteria are:

- Document may be of any type, including ADDENDUM with a STATUS of UNCOSIGNED/COMPLETED/AMENDED
- Document must fall within user entered date range
- Document must NOT have the "TEXT",0 node
- Document must NOT have any TEXT
- Document must NOT have any addenda ("DAD" cross-reference)
- Document must NOT have any components ("ADI" cross-reference)

An informational alert is sent once the cleanup process is finished.

In the following example, the cleanup process is run for documents in a one month period:

```
Select Text Integration Utilities (MIS Manager) Option: ?

   1      Individual Patient Document
   2      Multiple Patient Documents
   3      Print Document Menu ...
   4      Search for Selected Documents
   5      Statistical Reports ...
   6      Unsigned/Uncosigned Report
   7      Missing Text Report
   8      Missing Text Cleanup
   9      Signed/unsigned PN report and update
   10     UNKNOWN Addenda Cleanup
   11     Missing Expected Cosigner Report

Enter ?? for more options, ??? for brief descriptions, ?OPTION for help text.

Select Text Integration Utilities (MIS Manager) Option: 8  Missing Text Cleanup


START WITH REFERENCE DATE:  Jan 01, 2003//jun1, 2004  (JUN 01, 2004)
     GO TO REFERENCE DATE:  Mar 04, 2005//jul1, 2004  (JUL 01, 2004)

Requested Start Time: NOW//  (MAR 04, 2005@16:02:37)

Your task # is:  165564


Press RETURN to continue...:
```

UNKNOWN Addenda Cleanup

Prior to the release of TIU*1*187 it was possible to leave surgery addenda unconnected to their associated operation report. The UNKNOWN addenda Cleanup menu option is provided in TIU*1*173 to assist in cleaning up these unattached addenda.

In the following example an unknown addenda is attached to a surgery case:

```
                        --- MIS Managers Menu ---


   1       Individual Patient Document
   2       Multiple Patient Documents
   3       Print Document Menu ...
   4       Search for Selected Documents
   5       Statistical Reports ...
   6       Unsigned/Uncosigned Report
   7       Missing Text Report
   8       Missing Text Cleanup
   9       Signed/unsigned PN report and update
   10      UNKNOWN Addenda Cleanup
   11      Missing Expected Cosigner Report
   12      Mark Document as 'Signed by Surrogate'
   13      Mismatched ID Notes
   14      TIU 215 ANALYSIS ...
   15      Transcription Billing Verification Report
   16      CWAD/Postings Auto-Demotion Setup



Select Text Integration Utilities (MIS Manager) Option: 9  UNKNOWN Addenda
Cleanup

START WITH REFERENCE DATE:  Jan 01, 2003// <Enter> (JAN 01, 2003)
     GO TO REFERENCE DATE:  Apr 04, 2005// <Enter> (APR 04, 2005)
```

```
Searching for the documents..
TIU/Surgery Cleanup            Apr 04, 2005@08:48:53        Page:    1 of    1
              UNKNOWN ADDENDA from Jan 01, 2003 to Apr 04, 2005
     Patient                          Doc IEN     Entry DT  Status       Parent
1    CPRSPATIENT,T (C5525)            2194        09/29/04  UNSIGNED     NO
2    CPRSPATIENT,T (C5525)            2236        10/14/04  UNSIGNED     NO
3    CPRSPATIENT,T (C5525)            2238        10/14/04  UNSIGNED     NO
```

You may select more than one document by using #-# or #,# notation.

The parent document may be outside the original date range.

```
          Enter ?? for more actions
     Browse                                  Change View
     Detailed Display                        Find Parent
Select Action: Quit// F   Find Parent
Select Document(s): (1-3) 3
```

```
START WITH REFERENCE DATE:  Jan 01, 2003// <Enter> (JAN 01, 2003)
     GO TO REFERENCE DATE:  Apr 04, 2005// <Enter> (APR 04, 2005)

Searching for the documents...
```

```
Operation Reports              Apr 04, 2005@08:49:04       Page:    1 of    1
             OPERATION REPORTS from Jan 01, 2003 to Apr 04, 2005
     Patient                          Doc IEN     Entry DT  Status        Case #
1    CPRSPATIENT,T (C5525)            2181        09/17/04  RETRACTED     #90
2    CPRSPATIENT,T (C5525)            2182        09/20/04  RETRACTED     #89
3    CPRSPATIENT,T (C5525)            2192        09/28/04  RETRACTED     #90
4    CPRSPATIENT,T (C5525)            2195        09/29/04  COMPLETED     #89
5    CPRSPATIENT,T (C5525)            2237        10/14/04  RETRACTED     #90
6    CPRSPATIENT,T (C5525)            2284        01/20/05  UNVERIFIED    #90
7    CPRSPATIENT,T (C5525)            2292        01/28/05  UNDICTATED    #109
```

```
          Enter ?? for more actions
     Browse                                  Change View
     Detailed Display                        Attach to Parent
Select Item(s): Quit// 4
Select Action: Attach to Parent// <Enter>
```

```
Attach the following UNKNOWN Addenda:

TIU
Doc No.  Patient                     Entry DT/Time      Status      Parent
-----------------------------------------------------------------------------
2238     CPRSPATIENT,T  (C5525)           10/14/04@11:56:14  UNSIGNED    None

to the following OPERATION REPORT?

TIU                                                                   Surgical
Doc No.  Patient                     Entry DT/Time      Status      Case No.
-----------------------------------------------------------------------------
2195     CPRSPATIENT,T  (C5525)           09/29/04@08:18:39  COMPLETED   #89

Do you wish to begin attaching? NO// Y  YES

Attaching #2238 to #2195  ...  success!

Press <RETURN> to continue
```

☞ **Note:** **Be sure to verify any addenda before attaching to a parent document. Many addenda are duplicates of the original Operation Report and may be deleted once they are verified as UNSIGNED copies.**

Only one document may be selected as the potential parent to the previously selected addenda.

Users may NOT attach addenda to a parent OPERATION REPORT with a different patient or an OPERATION REPORT whose ENTRY DATE/TIME falls after the addenda.

Once a parent document has been selected, a confirmation screen will display the selected addenda and parent information and prompt the user to begin attaching the documents.

After the utility attempts to associate the addenda with a parent Operation Report the user will be returned to the initial List Manager display with successful associations being listed under the "Parent" column showing the TIU Document number of the parent that has been assigned. These documents will no longer appear once the current session is closed or a new search is initiated via the CHANGE VIEW option.

Missing Expected Cosigner Report

List detailed document information for notes that have a status of “uncosigned” where the expected cosigner field is either null, 0 or -1. Users will have a choice of 3 different report formats: an 80 column standard report, a 132 column extended report and a “^” delimited report for use in exporting the data to Excel. The 80 column report will include Patient Name (initials and last 4 of SSN), Entry Date/Time, Author, Title, and the Note IEN. The 132 column report and the “^” delimited report will include Patient Name (initials and last 4 of SSN), Entry Date/Time, Author, Title, Author’s Service/Section, Author’s Job Title and the Note IEN. In either case if the document is an Addendum then the parent’s Document Type, Entry Date/Time and Expected Cosigner will also be displayed. The cause of the problem is being fixed in CPRS patch OR*3.0*215. Users should review the notes displayed on this report to determine who should be the expected cosigner and then enter the expected cosigner. Once a note is signed the software doesn't permit editing so they will need to use FileMan. The author of the note may need to be contacted to determine who should be the expected cosigner.

In addition this report may be setup in Taskman to be run nightly. The entry point for this is NITE^TIU189. This task will look for notes missing an expected cosigner and send an email to the mail group TIU MIS ALERTS. This email will include Patient Name (initials and last 4 of SSN), Entry Date/Time, Author, Title, Author’s Service/Section, Author’s Job Title, Note IEN and if the note is an addendum the parent’s Document Type, Entry Date/Time and Expected Cosigner.

Example 80 column report:

```
Select Text Integration Utilities (MIS Manager) Option: 11  Missing Expected
Cosigner Report



START WITH REFERENCE DATE:  Jan 01, 2003//1/1/2005  (JAN 01, 2005)
     GO TO REFERENCE DATE:  Jun 28, 2005//  (JUN 28, 2005)
DEVICE: HOME//   TCP
```

```
     NOTES WITH 'UNCOSIGNED' STATUS THAT DON'T HAVE AN EXPECTED COSIGNER



Patient  Entry Date/Time        Title                Author          Note IEN
-------  ---------------        -----                ------          --------
XXX1234  JUN 28, 2005@09:24:44  UROLOGY NO SHOW      TIUAUTHOR,ONE    4957352
XXX1235  JUN 28, 2005@09:36:20  Addendum             TIUAUTHOR,TWO   ~4957353
            Parent Document Type: UROLOGY NO SHOW NOTE
            Parent Document Date: JUN 28, 2005@09:24:44
            Parent Document Cosigner:
XXX1236  JUN 28, 2005@10:16:21  PROGRESS NOTE        TIUAUTHOR,THREE ~4957355
Enter RETURN to continue or '^' to exit:
```

Example 132 column report:

```
Select Text Integration Utilities (MIS Manager) Option: 11  Missing Expected Cosigner Report



START WITH REFERENCE DATE:  Jan 01, 2003//1/1/2005  (JAN 01, 2005)
     GO TO REFERENCE DATE:  Jun 28, 2005//  (JUN 28, 2005)
DEVICE: HOME//   TCP

     NOTES WITH 'UNCOSIGNED' STATUS THAT DON'T HAVE AN EXPECTED COSIGNER


Patient  Entry Date/Time        Title                    Author                   Service/Section   Job Title         Note IEN
-------  ---------------        -----                    ------                   ---------------   ---------         --------

XXX1234  JUN 28, 2005@09:24:44  UROLOGY NO SHOW          TIUAUTHOR,ONE            CHIEF OF STAFF    SUPERVISOR, PHYS  ~4957352
XXX1235  JUN 28, 2005@09:36:20  Addendum                 TIUAUTHOR,TWO            CHIEF OF STAFF    SUPERVISOR, PHYS  ~4957353
            Parent Document Type: UROLOGY NO SHOW NOTE
            Parent Document Date: JUN 28, 2005@09:24:44
            Parent Document Cosigner:

Enter RETURN to continue or '^' to exit:
```

Example "^" delimited report (lines are truncated for this example):

```
Select Text Integration Utilities (MIS Manager) Option: 11  Missing Expected
Cosigner Report



START WITH REFERENCE DATE:  Jan 01, 2003//1/1/2005  (JAN 01, 2005)
     GO TO REFERENCE DATE:  Jun 28, 2005//  (JUN 28, 2005)
DEVICE: HOME//   TCP

Patient Name^Entry Date/Time^Title^Author^Service/Section^Job Title^Note …
XXX1234^JUN 28, 2005@09:24^UROLOGY NO SHOW^TIUPROVIDER,ONE^PHYSICIAN^SUPERV…
YYY5678^JUL 01, 2005@19:14^PROGRESS NOTE^TIUPROVIDER,TWO^NURSE^SUPERIVOR^84…
```

Example email message:

```
Subj: MISSING EXPECTED COSIGNER  [#440685] 02/08/06@13:14  11 lines
From: XXXX  In 'IN' basket.   Page 1
-------------------------------------------------------------------
PATIENT: ABC1234
ENTRY DATE/TIME: JAN 10, 2006@15:34:21
NOTE TITLE: Addendum
AUTHOR: TIUAUTHOR,ONE
AUTHOR'S SERVICE/SECTION: CHIEF OF STAFF
AUTHOR'S TITLE: SUPERVISOR, PHYSICAL MEDICINE
NOTE IEN: `1234567
PARENT DOCUMENT TYPE: ANESTHESIA POST OP NOTE
PARENT DOCUMENT ENTRY DATE: JAN 09, 2006@16:25:47
PARENT DOCUMENT COSIGNER:

Enter message action (in IN basket):
```

Mark Documents 'Signed by Surrogate'

This option allows documents needing an Additional Signer, where the additional signature was signed by a surrogate of the Additional Signer, to be marked as "Signed By Surrogate." This should not be needed for documents signed after patch TIU*1.0*199 is installed.

Example:

```
Select OPTION NAME: TIU MAIN MENU MGR       Text Integration Utilities (MIS
Manager)

                          --- MIS Managers Menu ---


   1      Individual Patient Document
   2      Multiple Patient Documents
   3      Print Document Menu ...
   4      Search for Selected Documents
   5      Statistical Reports ...
   6      Unsigned/Uncosigned Report
   7      Missing Text Report
   8      Missing Text Cleanup
   9      Signed/unsigned PN report and update
   10     UNKNOWN Addenda Cleanup
   11     Missing Expected Cosigner Report
   12     Mark Document as 'Signed by Surrogate'
   13     Mismatched ID Notes
   14     TIU 215 ANALYSIS ...
   15     Transcription Billing Verification Report
   16     CWAD/Postings Auto-Demotion Setup

Select Text Integration Utilities (MIS Manager) Option: 12  Mark Document as
'Signed by Surrogate'



Select ADDITIONAL SIGNER: TIUHEALTHTECHNICIAN, ONE OTT    116     HEALTH
TECHNICIAN




START WITH REFERENCE DATE:  Jan 01, 2003//3/1/1998  (MAR 01, 1998)
     GO TO REFERENCE DATE:  Jul 18, 2005//4/1/1998  (APR 01, 1998)



SEQ  PATIENT                    DOCUMENT TYPE              REFERENCE DATE
---  -------                    -------------              --------------
1    CPRSPATIENT,FOUR (C1234)   DOMICILIARY CARE SECTION   MAR 12, 1998@09:52:21

ENTER SEQUENCE # TO MARK AS 'SIGNED BY SURROGATE', 'NEW' FOR A NEW SEARCH,
OR '^' TO QUIT:
```

Mismatched ID Notes

The option TIU MISMATCHED ID NOTES is under the TIU MAIN MENU MGR, and it runs a routine that will report/fix mismatched interdisciplinary (ID) notes. There are cases where a child ID note points to a parent ID note and that parent ID note is for a different patient. There are also cases where the GDAD cross reference links a child ID note to a parent ID note when in fact the child does not point to the parent. In these cases, the situation will be reported/fixed. If it is found that there is a child ID note pointing to a parent that may not be an ID note, this will be reported but not fixed.

When this report is run in Report Only mode the report looks like the first example. When this report is run in Report and Fix mode the report looks like the second example.

When this report is run in either Report Only mode or in Report and Fix mode an email will be sent to the PSI-06-030 mail group on Forum. This email will contain ONLY the site, the date, the report mode and the result totals. No patient data of any kind is sent. The purpose of this is to track the extent of this problem. Note that the emails do not report the count of: CHILD ID NOTES POINTING TO A PARENT THAT MAY NOT BE AN ID NOTE.

Example of Report Only mode:

```
                  MISMATCHED INTERDISCIPLINARY NOTES

          CHILD DOCUMENT                      PARENT DOCUMENT
          ---------------                     --------------

 Patient: TIUPATIENT,ONE (P1234)              TIUPATIENT,TWO (P5678)
   Title: INTERDISCIPLINARY PATIENT EDUCATI   PM&R KT
Entry DT: JAN 21, 1998@15:28:27               FEB 01, 1996@14:16:10
  Author: TIUAUTHOR,ONE                       TIUAUTHOR,ONE
Note IEN: 345678                              123456

           CHILD ID NOTES POINTING TO A NON-EXISTENT PARENT ID NOTE

   Patient: TIUPATIENT,THREE (P9876)
     Title: CARDIAC REHAB DAILY
  Entry DT: APR 28, 2003@07:43:49
    Author: TIUAUTHOR,TWO
 Child IEN: 3300852
Parent IEN: 3200408

           CHILD ID NOTES POINTING TO A PARENT THAT MAY NOT BE AN ID NOTE

           ** NOTE: THIS IS AN INFORMATIONAL LIST FOR INVESTIGATION.
             NOTHING WILL BE FIXED **

        Patient: TIUPATIENT,FOUR (J0222)
   Parent Title: OPERATION REPORT-IEN: 1734321
Parent Entry DT: FEB 03, 2006@12:43:49
  Parent Author: TIUAUTHOR,THREE
    Child Title: NURSE INTRAOPERATIVE REPORT-IEN: 1734320

        Patient: TIUPATIENT,FOUR (J0222)
   Parent Title: TELEPHONE CONTACT-IEN: 1734512
Parent Entry DT: JUN 26, 2006@10:42:25
  Parent Author: TIUAUTHOR,FOUR
    Child Title: ECU ADL SELF CARE PERFORMANCE SUMMARY-IEN: 1734511
```

```
               TOTAL COUNTS FOR MISMATCHED ID NOTES
               ------------------------------------

               1173 CROSS REFERENCES CHECKED
               1 MISS MATCHED NOTE(S) FOUND
               1 NON EXISTENT PARENT NOTE(S)
               2 PARENT MAY NOT BE AN ID NOTE
```

Example of Report and Fix mode:

```
                   MISMATCHED INTERDISCIPLINARY NOTES

          CHILD DOCUMENT                     PARENT DOCUMENT
          ---------------                    --------------

 Patient: TIUPATIENT,ONE (P1234)             TIUPATIENT,TWO (P5678)
   Title: INTERDISCIPLINARY PATIENT EDUCATI  PM&R KT
Entry DT: JAN 21, 1998@15:28:27              FEB 01, 1996@14:16:10
  Author: TIUAUTHOR,ONE                      TIUAUTHOR,ONE
Note IEN: 345678                             123456
     ..... Removed pointer from child to parent.

 Patient: TIUPATIENT,THREE (P4321)           TIUPATIENT,FOUR (P8746)
   Title: PRIME CARE CLINIC                  PATIENT/FAMILY EDUCATION DOC
Entry DT: FEB 04, 2003@10:33:48
  Author: TIUAUTHOR,TWO
Note IEN: 3100784                            3000597
     ... Child note did not point to parent. GDAD cross reference removed

           CHILD ID NOTES POINTING TO A NON-EXISTENT PARENT ID NOTE

   Patient: TIUPATIENT,FIVE (P2233)
     Title: OTP DOSING NOTE
  Entry DT: APR 28, 2003@07:54:47
    Author: TIUAUTHOR,THREE
 Child IEN: 3300864
Parent IEN: 3200349
    ... Child note did not point to parent. GDAD cross reference removed.

   Patient: TIUPATIENT,SIX (P4567)
     Title: PM&R PT DISCHARGE
  Entry DT: JAN 29, 2004@15:26:57
    Author: TIUAUTHOR,FOUR
 Child IEN: 4000224
Parent IEN: 4000522
     ..... Removed pointer from child to parent removed.

           CHILD ID NOTES POINTING TO A PARENT THAT MAY NOT BE AN ID NOTE

           ** NOTE: THIS IS AN INFORMATIONAL LIST FOR INVESTIGATION.
             NOTHING WILL BE FIXED **

        Patient: TIUPATIENT,SEVEN (J0202)
   Parent Title: OPERATION REPORT-IEN: 1834321
Parent Entry DT: FEB 03, 2006@12:43:49
  Parent Author: TIUAUTHOR,FIVE
    Child Title: NURSE INTRAOPERATIVE REPORT-IEN: 1784320

        Patient: TIUPATIENT,EIGHT (P2539)
   Parent Title: TELEPHONE CONTACT-IEN: 1734552
```

```
Parent Entry DT: JUN 26, 2006@10:42:25
  Parent Author: TIUAUTHOR,SIX
    Child Title: ECU ADL SELF CARE PERFORMANCE SUMMARY-IEN: 1734555

               TOTAL COUNTS FOR MISMATCHED ID NOTES
               ------------------------------------

               1173 CROSS REFERENCES CHECKED
               2 MISS MATCHED NOTE(S) FOUND
               2 NON EXISTENT PARENT NOTE(S)
               2 PARENT MAY NOT BE AN ID NOTE

               1 POINTER(S) FIXED FOR MISMATCHED NOTES
               1 XREF(S) FIXED FOR MISMATCHED NOTES
               1 POINTER(S) FIXED FOR MISSING NOTES
               1 XREF(S) FIXED FOR MISSING NOTES
```

Example of email sent to G.PSI-06-030 in report only mode:

```
Site Number^Site Name
AUG 31, 2006@15:24:09

1173  CROSS REFERENCES CHECKED
9 MISMATCHED NOTE(S) FOUND
7 NON EXISTENT PARENT NOTE(S)

MODE - REPORT ONLY
```

Example of email sent to G.PSI-06-030 in report and fix mode:

```
Site Number^Site Name
AUG 31, 2006@15:24:09

1173  CROSS REFERENCES CHECKED
9 MISMATCHED NOTE(S) FOUND
7 NON EXISTENT PARENT NOTE(S)

MODE - REPORT AND FIX
5 POINTER(S) FIXED FOR MISMATCHED NOTES
4 XREF(S) FIXED FOR MISMATCHED NOTES
3 POINTER(S) FIXED FOR MISSING NOTES
4 XREF(S) FIXED FOR MISSING NOTES
```

TIU 215 ANALYSIS

A problem has been found with VistA patch TIU*1.0*215, released June 28, 2007. One of the intents of this patch was to only allow editing/amending etc. from the Surgery package to keep the Surgery file (#130) and TIU files in sync. This was for the Nurse Intraoperative Report (NIR) and the Anesthesia Report only. However, if surgery personnel made changes to a surgery case using one of the case editors such as OSS Operation (Short Screen) [SROMEN-OUT], they were asked if they wanted to create an addendum. After installation of TIU*1.0*215, the addendum was not created for viewing via the Surgery Tab in CPRS, however, the data was being updated in the Surgery application files.

A new option, TIU 215 ANALYSIS, is set up with installation of patch TIU*1.0*231 and is being added as sequence 14 to the TIU MAIN MENU MGR option.

```
TIU MAIN MENU MGR       Text Integration Utilities (MIS Manager)
         TIU 215 ANALYSIS ...
              A      ANALYZE POTENTIAL SURGERY TIU PROBLEMS
              V      VIEW SINGLE SURGERY CASE USING CASE #
              T      SEND ANALYSIS OUTPUT TO TEXT FILE
```

<u>Option A</u> - Analyze Potential Surgery TIU Problems:
Allows for the analysis process (which was run during the installation of this patch) to be run again. Surgery cases will be analyzed within a particular date range and the information from NIR and/or Anesthesia reports will be compared to their corresponding TIU notes. If the information does not match, the case number will be recorded as one that needs to be reviewed. The information generated by this option should be printed, either by cutting and pasting the results into a text file, or you can simply print the MM that was generated during installation. It can be used to identify which TIU records have addenda and which do not. This is extremely important as how a comparison is handled depends directly on if the TIU record has addenda. It can also be used as a checklist, to make sure that every record in question is examined.

<u>Option V</u> - View the Contents of a Surgery Case Using Case #:
Views the content of a Surgery Case file (#130). NIR data will be displayed followed by the Anesthesia data.

<u>Option T</u> - Send Output To Text File:
Sends output to a Host text file on your production account's server. This will be very useful for sites that have a large number of cases to review. Microsoft Word can then be used to compare the text files, which is extremely helpful because discrepancies are automatically highlighted, thus expediting the comparison process.

Option T Overview:
Option T will send data from both Surgery and TIU to respective output files. First, the user is prompted for a path to send output files to which should look something like this: USER$:[<directory name>] . You may need to coordinate with your local IRM VistA system administrator to determine exactly what the path should be. The user is then prompted for three filenames; one for Surgery output, one for TIU output, and one for associated TIU addenda. If the path and/or filenames are invalid you will be prompted to enter them again.

Option T will use the same analysis technique as Option A does. Instead of just listing cases that need review, it will write the contents of the associated reports to text files. For each case, what is on record in Surgery will be written to one file, and what is on record in TIU will be written to another file. Also, if there are any associated TIU addenda with the case, these addendums will be written to a separate file. Multiple cases will be written to a single file, with the user pre-defining the maximum limit. When this limit is encountered, a new set of output files will be created. For instance, if there are a total of 50 cases found with possible discrepancies, and the user sets a maximum of 25 cases per file, then 2 Surgery output files will be created, two TIU output files, and x number of addenda output files. **Note:** The number of Surgery and TIU files will always be the same; the number of addenda files may not. This is due to the fact not every Surgery case will have an associated TIU addenda). Let's say the names "Surgery", "TIU", and "ADDENDA" are used for the output filenames. You would then have: Surgery1.txt, Surgery2.txt, TIU1.txt, TIU2.txt, and ADDENDA1.txt (and possibly ADDENDA2.txt), each with 25 cases per file.

************IMPORTANT******************IMPORTANT*******************
NOTE!!!! The host files created in option T contains Patient Information and should only be sent to a server within the system boundary of the VA. The directory must be password protected. If you are going to download to a pc and use the Microsoft Word Compare feature for analysis, it must be a VA approved encrypted PC. Both the host files and the files downloaded to the pc must be destroyed by an approved means when analysis/correction is complete. When the files are destroyed the systems manager, official, or the ISO should be notified they have been destroyed.
************IMPORTANT******************IMPORTANT*******************

CORRECTION PROCESS
The following manual fix process is provided by the Surgery Enterprise Product Support(EPS) personnel:

The Surgery ADPAC should review the reports. Health Information Management (HIM) personnel should also be involved in this process. If the programmer feels comfortable in restoring the data in the Surgery package to what it was originally, then the programmer can, with the help of the Surgery ADPAC do it, but we would encourage the site to enter a Surgery Remedy ticket, and we will step the site through the process.

The programmer would edit the fields in the Surgery Case file (#130) that should be restored to their original data using FileMan enter/edit.

For the NIR, once the cases that need fixing are restored to their original data set(see examples one and two), one of the circulating nurses listed in the case, with the assistance of the Surgery ADPAC, should use the Surgery package to put the changes back into the cases and sign the addenda (see Options used to reenter the data in Surgery).

Similarly for the Anesthesia Report, once the cases that need fixing are restored to their original data set (see examples one and two), the anesthetist with the assistance of the Surgery ADPAC, should use the Surgery package to put the changes back into the cases and sign the addenda (see Options used to reenter the data in Surgery).

Example ONE using FileMan:
Step One:

```
Select OPTION: 1  ENTER OR EDIT FILE ENTRIES
INPUT TO WHAT FILE: SURGERY//
EDIT WHICH FIELD: ALL// ANESTHESIA TECHNIQUE    (multiple)
   EDIT WHICH ANESTHESIA TECHNIQUE SUB-FIELD: ALL//
THEN EDIT FIELD:

Select SURGERY PATIENT: `30536  TIUPATIENT, FOUR     08-18-07     TOE
X-XX-XX    XXXXXXXXX     YES     SC VETERAN      GJ

Select ANESTHESIA TECHNIQUE: GENERAL// @
   SURE YOU WANT TO DELETE THE ENTIRE 'G' ANESTHESIA TECHNIQUE? Y  (Yes)
Select ANESTHESIA TECHNIQUE:
```

Step Two:

THEN IN SURGERY ADD THE GENERAL ANESTHESIA TECHNIQUE BACK IN USING ONE OF THE SURGERY OPTIONS LISTED IN THE SECTION "OPTIONS USED TO RE-ENTER DATA IN SURGERY".

Example TWO using FileMan:
TIU HAS "CLEAN" FOR WOUND CLASSIFICATION BUT SURGERY HAS "CONTAMINATED"

STEP ONE:

```
Select OPTION: 1  ENTER OR EDIT FILE ENTRIES

INPUT TO WHAT FILE: SURGERY//
EDIT WHICH FIELD: ALL// WOUND CLASSIFICATION
THEN EDIT FIELD:

Select SURGERY PATIENT: `30506    TIUPATIENT,TWO    12-31-06     BAD FINGER

X-XX-XX    XXXXXXX    YES     SC VETERAN      GJ
WOUND CLASSIFICATION: CONTAMINATED// CLEAN
```

```
     1   CLEAN
     2   CLEAN/CONTAMINATED
Choose 1-2: 1  CLEAN
```

STEP TWO:

NOW REENTER 'CONTAMINATED' IN SURGERY USING ONE OF THE OPTIONS USED TO RE-ENTER DATA INTO SURGERY AND IT WILL GENERATE AN ADDENDUM FORTIU

```
***Options used to reenter the data in Surgery.***

NIR REPORT
   OSS    Operation (Short Screen)
   NR     Nurse Intraoperative Report


ANESTHESIA REPORT
   AR     Anesthesia Report
   PAC    Enter PAC(U) Information
   M      Medications (Enter/Edit)
```

For those sites that use the Anesthesia Report, the following list of fields create an addendum to the NIR.

Sub-file	Field
Other Scrubbed Assistant(s)	Other Scrubbed Assistant
Other Scrubbed Assistant(s)	Comments
O.R. Circulating Nurse(s)	O.R. Circulating Nurse
O.R. Circulating Nurse(s)	Educational Status
O.R. Scrub Nurse(s)	O.R. Scrub Nurse
O.R. Scrub Nurse(s)	Educational Status
Other Persons in O.R.	Other Person in O.R
Other Persons in O.R.	Title/Organization
Position(s)	Position
Position(s)	Placed
Restraints and Position Aids	Restraint/Position Aid
Restraints and Position Aids	Applied By
Restraints and Position Aids	Comment
Principal CPT Modifier	CPT Modifier
Other Procedures Performed	Other Procedure
Other Procedures Performed	CPT Code
Other Procedures Performed	CPT Modifier
Tourniquet	Time Applied
Tourniquet	Time Released
Tourniquet	Site Applied
Tourniquet	Pressure Applied (in TORR)-
Tourniquet	Applied By
Thermal Unit	Thermal Unit
Thermal Unit	Temperature
Thermal Unit	Time On

Thermal Unit	Time Off
Prosthesis Installed	Item
Prosthesis Installed	Sterility Checked
Prosthesis Installed	Sterility Expiration Date
Prosthesis Installed	RN Verifier
Prosthesis Installed	Vendor
Prosthesis Installed	Model
Prosthesis Installed	Lot/Serial Number
Prosthesis Installed	Sterile Resp
Prosthesis Installed	Size
Prosthesis Installed	Quantity
Medications	Medication
Medications	Time Administered
Medications	Route
Medications	Dose
Medications	Ordered By
Medications	Administered By
Medications	Comments
Irrigation Solution(s)	Irrigation Solution
Irrigation Solution(s)	Time Utilized
Irrigation Solution(s)	Amount
Irrigation Solution(s)	Provider
Blood Replacement Fluids	Replacement Fluid Type
Blood Replacement Fluids	Quantity (ml)-
Blood Replacement Fluids	Source Identification
Blood Replacement Fluids	VA Identification
Blood Replacement Fluids	Comments
Laser Unit(s)	Laser Unit/ID
Laser Unit(s)	Duration
Laser Unit(s)	Wattage
Laser Unit(s)	Operator
Laser Unit(s)	Plume Evacuator
Laser Unit(s)	Comments
Cell Saver(s)	Cell Saver ID
Cell Saver(s)	Operator
Cell Saver(s)	Amount Salvaged (ml)-
Cell Saver(s)	Amount Reinfused (ml)-
Cell Saver(s)	Comments
Cell Saver(s)	Disposables Name
Cell Saver(s)	Lot Number
Cell Saver(s)	Quantity
Anesthesia Technique(s)	Anesthesia Technique
Anesthesia Technique(s)	Principal Technique
Anesthesia Technique(s)	Anesthesia Agent
Anesthesia Technique(s)	Dose (mg)-

Transcription Billing Verification Report

This report can be run by division and provides information on all transcriptionists or one or more selected transcriptionists. It reports based on an entered date range. Since the VBC Line Count is only calculated for transcribed reports, it does not report on any document transcribed before the patch was installed.

The accuracy of this report depends on the accuracy of the data. Specifically, it depends on whether transcriptionists are reliably recorded in the header of each document. If you choose to use this report, you should follow the directions in the *Text Integration Utilities (TIU) Line Count (TIU*1*250) Release Notes* available from the VA Document Library (http://www4.va.gov/vdl/) to insure that each uploaded document has the needed data.

This example is a complete report for all facilities on the local VistA system for the month of August:

```
                          --- MIS Managers Menu ---

   1      Individual Patient Document
   2      Multiple Patient Documents
   3      Print Document Menu ...
   4      Search for Selected Documents
   5      Statistical Reports ...
   6      Unsigned/Uncosigned Report
   7      Missing Text Report
   8      Missing Text Cleanup
   9      Signed/unsigned PN report and update
   10     UNKNOWN Addenda Cleanup
   11     Missing Expected Cosigner Report
   12     Mark Document as 'Signed by Surrogate'
   13     Mismatched ID Notes
   14     TIU 215 ANALYSIS ...
   15     Transcription Billing Verification Report
   16     CWAD/Postings Auto-Demotion Setup

<CPM> Select Text Integration Utilities (MIS Manager) Option: 15  Transcription
Billing Verification Report

              --- Transcription Billing Verification Report ---

Select division: ALL// <Enter>

Specific Transcriptionist(s)? NO// YES

Select Transcriptionist(s):

  1)  ??
   Choose from:
   INCORPORATED,ASCOTT TRANSCRIPTION   ATI          TRANSCRIPTION SERVICE
   MEDTRAN,INC                         MTI          TRANSCRIPTION SERVICE


Please choose a KNOWN Transcriptionist (Duplicates not allowed).

  1)  ASCOTT  INCORPORATED,ASCOTT
TRANSCRIPTION            ATI          TRANSCRIPTION SERVICE
  2)  MEDTRAN,INC              MTI          TRANSCRIPTION SERVICE
  3)  <Enter>

Start Transcription Date [Time]: Jan 01, 2010// 1/1/09  (JAN 01, 2009)
```

In this example, these company names have been entered into the New Person file and marked as belonging to the transcriptionist user class.

```
Ending Transcription Date [Time]: Jan 31, 2010@23:59// <Enter>  (JAN 31,
2010@23:59)

DEVICE: HOME// <Enter>  TELNET PORT

                                                                  P
==================================================================
=
            T R A N S C R I P T I O N   B I L L I N G   R E
                                 CAMP MASTER
for Documents Transcribed: 01/01/2009 to 01/31/2010    Printed: 05/05/2010
11:18

Tran Date     Title                    Patient                   Aut  VBC
Lines
==============================================================================
=
ati  07/31/09 Discharge Summary        BCMA,ELEVEN-PATIENT (0011) JER
56.25
     07/31/09 Discharge Summary        BCMA,ONE-PATIENT    (0001) JER
56.31
                                                                   ---------
-
                                          Total for Transcriber ati =
112.56

mti  07/23/09 Discharge Summary        EIGHTY,INPATIENT    (0880) JER
55.91
     07/23/09 Discharge Summary        BCMA,FIFTEEN-PATIEN (0015) JER
57.31
                                                                   ---------
-
                                          Total for Transcriber mti =
113.22

tlc  08/13/09 Discharge Summary        BCMA,EIGHTYTHREE-PA (0083) JER
55.91
     08/27/09 Discharge Summary        NINETYEIGHT,OUTPATI (0698) JER
55.91
     08/27/09 Discharge Summary        CPRS,COMBATVET T    (0000) JER
55.91
     08/27/09 Discharge Summary        FIVEHUNDREDELEVEN,P (0511) JER
55.91

Enter RETURN to continue or '^' to exit:

                                                                     Page
2
==============================================================================
=
            T R A N S C R I P T I O N   B I L L I N G   R E P O R T
                                 CAMP MASTER
for Documents Transcribed: 01/01/2009 to 01/31/2010    Printed: 05/05/2010
11:18

Tran Date     Title                    Patient                   Aut  VBC
Lines
==============================================================================
=
     12/03/09 OPERATION REPORT         BCMA,EIGHT          (0008) JER
1.40
                                                                   ---------
-
```

These are the initials of the transcriptionist as taken from the New Person file.

```
                                          Total for Transcriber tlc =
225.04

                                                                    ---------
-
                                                  Total for Division =
450.82




Press RETURN to continue or '^' to exit:

                                                                        Page
3
==============================================================================
=
            T R A N S C R I P T I O N   B I L L I N G   R E P O R T
                                CINCINNATI
for Documents Transcribed: 01/01/2009 to 01/31/2010    Printed: 05/05/2010
11:18

Tran Date     Title                    Patient                    Aut  VBC
Lines
==============================================================================
=
tlc  07/24/09 Discharge Summary        BCMA,EIGHTYSIX-PATI (0086) BA
56.54
                                                                    ---------
-
                                          Total for Transcriber tlc =
56.54

                                                                    ---------
-
                                                  Total for Division =
56.54




Press RETURN to continue or '^' to exit:

                                                                        Page
4
==============================================================================
=
            T R A N S C R I P T I O N   B I L L I N G   R E P O R T
                        SUMMARY for ZZ ALBANY-PRRTP
for Documents Transcribed: 01/01/2009 to 01/31/2010    Printed: 05/05/2010
11:18

==============================================================================
=
Category                                        Documents              VBC
Lines
==============================================================================
=
Division Totals
```

```
  CAMP MASTER                                    9
450.82
  CINCINNATI                                     1
56.54

Transcriber Totals
  ati                                            2
112.56
  mti                                            2
113.22
  tlc                                            6
281.58

Station Totals
  ZZ ALBANY-PRRTP                                10
507.36

Press RETURN to continue or '^' to exit: <Enter>
```

Copy/Paste Tracking Reports

This menu option allows a user to run the Summary and Detailed Copy/Paste Tracking reports.

```
   D      Copy/Paste Tracking Detail Report
   S      Copy/Paste Tracking Summary Report
```

Copy/Paste Tracking Detail Report

Use this option to run the Copy/Paste Tracking Detail Report.

Steps to use this option:

1. Select *Copy/Paste Tracking Detail Report* from the Copy/Paste Tracking Reports Menu.

2. Enter the parameters for the report.

```
                              COPY/PASTE TRACKING


   D      Copy/Paste Tracking Detail Report
   S      Copy/Paste Tracking Summary Report

Select Copy/Paste Tracking Reports <TEST ACCOUNT> Option: D  Copy/Paste
Tracking
 Detail Report
Run Report for All Divisions or for an Individual Division: ALL//




                            COPY/PASTE DETAIL REPORT



START DATE: T-365  (DEC 21, 2017)
END DATE: T  (DEC 21, 2018)
Sort by Date/Location/Provider/Match %: DATE//
Run Report for All Patients or for Individual Patients: ALL//
Required percentage of match of paste to copy? 80//
Suppress Pasted Text Display? YES//

Recommend a Right Margin of 132
DEVICE: HOME// ;132;40  TELNET PORT
```

Copy/Paste Tracking Detail Report Example

```
                                                  DETAIL COPY/PASTE REPORT
                                                      FOR ALL PATIENTS
                                              FROM DEC 21, 2017 TO DEC 21, 2018
                                                     (THRESHOLD PCT: 80)
PASTED DATE/TIME          COPY PATIENT                    PASTE PATIENT
     COPY DATE/TIME           COPY AUTHOR                     COPY DOCUMENT TITLE
     PASTE DATE/TIME          PASTE PROVIDER                  PASTE DOCUMENT TITLE
          COPY MATCH PCT
=================================================================================================================
APR 26, 2018@14:20:50    BCMA,EIGHTYSIX-PATIENT          BCMA,EIGHTYSIX-PATIENT
     AUG 08, 2013@09:36       SADA,WILL                       C&P GENERAL MEDICAL
     APR 26, 2018@13:20       ANDRIYEVSKEY,ANDREY             C&P AUDIO
          100%
JUL 11, 2018@09:55:04    UNKNOWN PATIENT NAME            ZZZRETSIXFIFTY,PATIENT
     AUG 08, 2013@09:36       UNKNOWN                         Paste exceeds maximum compare limit. From: WINWORD.EXE - Doc
     JUL 17, 2017@23:19:30    CPRSPROVIDER,SEVENTEEN          ADVERSE REACTION/ALLERGY
          100%
JUL 11, 2018@10:08:05    UNKNOWN PATIENT NAME            ZZZRETSIXFIFTY,PATIENT
     AUG 08, 2013@09:36       UNKNOWN                         Paste exceeds maximum compare limit. From: WINWORD.EXE - Doc
     JUL 17, 2017@23:19:30    CPRSPROVIDER,SEVENTEEN          ADVERSE REACTION/ALLERGY
          100%
JUL 11, 2018@10:08:27    UNKNOWN PATIENT NAME            ZZZRETSIXFIFTY,PATIENT
     AUG 08, 2013@09:36       UNKNOWN                         Paste exceeds maximum compare limit. From: WINWORD.EXE - Doc
     JUL 17, 2017@23:19:30    CPRSPROVIDER,SEVENTEEN          ADVERSE REACTION/ALLERGY
          100%


TOTALS:
     PASTES: 4
     NOTES W/PASTES > THRESHOLD: 2
     NOTES W/PASTES: 3
     % OF NOTES W/PASTES > THRESHOLD: 2/3 = 66.67%
     NOTES: 750

TOTAL NOTES FOR DATE RANGE: 750
```

Copy/Paste Tracking Summary Report

Use this option to run the Copy/Paste Tracking Summary Report.

Steps to use this option:

1. Select *Copy/Paste Tracking Summary Report* from the Copy/Paste Tracking Reports Menu.

2. Enter the parameters for the report.

```
                                COPY/PASTE TRACKING


   D      Copy/Paste Tracking Detail Report
   S      Copy/Paste Tracking Summary Report

Select Copy/Paste Tracking Reports <TEST ACCOUNT> Option: S  Copy/Paste
Tracking
 Summary Report
Run Report for All Divisions or for an Individual Division: ALL//




                              COPY/PASTE SUMMARY REPORT



START DATE: T-365  (DEC 21, 2017)
END DATE: T  (DEC 21, 2018)
```

```
Sort by Date/Location/Provider/Match %: DATE//
Run Report for All Patients or for Individual Patients: ALL//
Required percentage of match of paste to copy? 80//
DEVICE: HOME//   TELNET PORT    Right Margin: 80//
```

Copy/Paste Tracking Summary Report Example

```
                          SUMMARY COPY/PASTE REPORT
                               FOR ALL PATIENTS
                       FROM DEC 21, 2017 TO DEC 21, 2018
                              (THRESHOLD PCT: 80)
==============================================================================
=


TOTALS:
     PASTES: 4
     NOTES W/PASTES > THRESHOLD: 2
     NOTES W/PASTES: 3
     % OF NOTES W/PASTES > THRESHOLD: 2/3 = 66.67%
     NOTES: 750

TOTAL NOTES FOR DATE RANGE: 750
```

Chapter 6: TIU for Transcriptionists

Transcriptionists typically enter Providers' discharge summaries, progress notes, or other documents:

1. directly from dictation, or
2. from uploaded transcribed ASCII documents in batch mode
    a. from remote microcomputers, using ASCII or KERMIT protocol upload, or
    b. from Host Files (i.e., DOS or VMS ASCII files) on the host system.

Options on this menu can be assigned accordingly.

Transcriptionist Menu

Option Name	Description
Enter/Edit Discharge Summary	This option allows you to enter or edit discharge summaries and progress notes directly online. If the transcriptionist holds the AUTOVERIFY security key, each discharge summary will be verified automatically when the transcriptionist releases it.

Enter/Edit Document	This option allows you to enter/edit clinical documents directly online.
Upload Menu ...	This menu includes options to upload batches of documents, and to get help on the header formats for the various documents which have been defined for upload by your site.
List Documents for Transcription	Gets all UNDICTATED and UNTRANSCRIBED Documents for review, edit, and signature.
Review/Edit Document	Allows the user to interactively review, edit, and/or print documents.
Transcription Billing Verification Report	This option produces a report for the verification of transcription bills, using the Visible Black Character counting method described in VHA Directive 2008-042.

Enter/Edit Discharge Summary

Use this option to enter and edit discharge summaries directly online.

Steps to use option:

1. Select *Enter/Edit Discharge Summary* from the Transcriptionist Menu.

```
         --- Transcriptionist Menu ---

   1      Enter/Edit Discharge Summary
   2      Enter/Edit Document
   3      Upload Menu ...
   4      List Documents for Transcription
   5      Review/Edit Documents
   6      Transcription Billing Verification Report

Select Text Integration Utilities (Transcriptionist) Option: 1  Enter/Edit
Discharge Summary
```

2. Enter a patient's name and choose an Admission from the choices offered.

```
Select Patient: TIUPATIENT,ONE TIUPATIENT,ONE 09-12-44  666233456 YES   SC
VETERAN
For Patient TIUPATIENT,ONE
The following ADMISSION is available:
   1>  JUL 22, 1995@11:06     DIRECT                  TO:  1A
CHOOSE 1-1: 1  JUL 22 1991@11:06

 Patient: TIUPATIENT,ONE         SSN: 666-23-3456     Sex: MALE
    Race: MEXICAN AMERICAN       Age: 52          Claim #: UNKNOWN
Adm Date: 12/22/96              Ward: 1A
Dis Date: 02/12/97
  Adm Dx: Stage IV non-Hodgkin's Lymphoma

Correct VISIT? YES// <Enter>

URGENCY: routine// <Enter>  routine
AUTHOR/DICTATOR: TIUPROVIDER,ONE        ot
DICTATION DATE: <Enter>  (FEB 12, 1997)
ATTENDING PHYSICIAN: TIUPROVIDER,ONE        ot
Calling text editor, please wait...
  1>DIAGNOSIS:
  2>
```

The attending must not be a provider that requires a cosignature, and must be in User Class PROVIDER (or a subclass).

Enter/Edit Discharge Summary cont'd

```
  3>
  4>
  5>
  6>OPERATIONS/PROCEDURES:
EDIT Option: 1
  1>DIAGNOSIS:
  Replace : With : Lymphoma  Replace
   DIAGNOSIS: Lymphoma
Edit line: 6
  6>OPERATIONS/PROCEDURES:
  Replace : With : Chemotherapy  Replace
   OPERATIONS/PROCEDURES: Chemotherapy
Edit line: <Enter>
EDIT Option: <Enter>
Save changes? YES// <Enter>

Saving Discharge Summary with changes...
Is this Discharge Summary ready to release from DRAFT? YES// n  NO
 NOT RELEASED.

You may enter another Discharge Summary. Press RETURN to exit.

Select PATIENT NAME: <Enter>
```

The text editor brought up a boilerplate template used for Discharge Summaries; entries are added after the

Enter/Edit Document

This option allows the transcriptionist to enter a new document (using a document title from the TIU document definition hierarchy) or to review, verify, send back to transcription, reassign, or print an existing document. The option produces a list of document definition types using search criteria such as status, search category, and reference date range, from which you select a document.

Steps to use option:

1. Select *Enter/Edit Document* from the Transcriptionist Menu.

```
Select Text Integration Utilities (Transcriptionist) Option: 2
Enter/Edit Document
Select AUTHOR: TIUPROVIDER,THREE TIUPROVIDER,THREE        TT
```

2. Enter a patient's name and choose the admission from the choices offered.

```
Select Patient:TIUPATIENT,SEVEN TIUPATIENT,SEVEN     04-25-31
666042591P   NO     MILITARY RETIREE
        (1 note )  C: 11/30/95 17:36
        (2 notes)  W: 09/16/96 15:12  (addendum 09/18/96 09:53)
                   A: Known allergies
        (1 note )  D: 11/30/95 17:38

For Patient TIUPATIENT,SEVEN
Select DOCUMENT TYPE: discharge summary          TITLE
The following ADMISSION(S) are available:
   1>  MAY 28, 1996@15:58     A/C                     TO:  1A
   2>  MAY 28, 1996@15:51     DIRECT                  TO:  1A
   3>  MAY 22, 1996@17:41     DIRECT                  TO:  1A
   4>  DEC 22, 1994@17:27     DIRECT                  TO:  1A
   5>  DEC 22, 1994@17:22     DIRECT                  TO:  2B
CHOOSE 1-5
<RETURN> TO CONTINUE
OR '^' TO QUIT: 1  MAY 28 1996@15:58

 Patient: TIUPATIENT,SIX          SSN: 666-04-2591P   Sex: MALE
    Race: AMERICAN INDIAN OR ALASKA NA  Age: 65   Claim #: UNKNOWN
Adm Date: 05/28/96                     Ward: 1A
  Adm Dx: TEST

Correct VISIT? YES// <Enter>
```

3. Enter the urgency (if routine, press Enter), author/ dictator, dictation date, and attending physician.

```
URGENCY: routine// <Enter>   routine
AUTHOR/DICTATOR:  TIUPROVIDER,THREE TIUPROVIDER,THREE        TT
DICTATION DATE: 9/30  (SEP 30, 1996)
ATTENDING PHYSICIAN: TIUPROVIDER,ONE TIUPROVIDER,ONE       TO
PGY2 RESIDENT
```

4. Your preferred editor appears (with boilerplate if any has been set up for this title) and you can now enter the text for this discharge summary.

```
Calling text editor, please wait...
  1>DIAGNOSIS:
  2>
  3>
  4>
  5>
  6>OPERATIONS/PROCEDURES:
EDIT Option: 2
  2>
  Replace <space>  With diabetes retinopathy  Replace
   diabetes retinopathy
Edit line: <Enter>
EDIT Option: <Enter>
Save changes? YES// <Enter>

Saving Discharge Summary with changes...
Is this Discharge Summary ready to release from DRAFT? YES// <Enter>
Discharge Summary Released.
Chart copy queued.

You may enter another Discharge Summary. Press RETURN to exit.

Select PATIENT NAME: <Enter>
```

Upload Menu

The Upload Menu contains options that allow the transcriptionist to upload a batch of clinical documents.

Option Name	Description
Upload Documents	This option allows transcriptionists to upload transcribed ASCII documents in batch mode, either from remote microcomputers, using ASCII or KERMIT protocol upload, or from Host Files (i.e., DOS or VMS ASCII files) on the host system. Your site may define the preferred file transfer protocol and the destination within VistA to which each report type (e.g., discharge summary, progress notes, Operative Report, etc.) should be routed.
Help for Upload Utility	This option displays information on the formats of headers for dictated documents that are transcribed off-line and uploaded into **V***IST***A**. It also displays "blank" character, major delimiter, and end of message signal as defined by your site.

The upload utility permits mixed report types within a single batch. This allows the transcriptionist to enter each report in arrival sequence into a single ASCII file on the remote computer (e.g., using a proprietary word-processing program), and to transmit the text to the VistA host system as a one-step process. As this ASCII data arrives at the VistA host, it is read into a "buffer" file, and stored for subsequent "filing" by a special background process, called the "Router/filer."

The Router/filer is queued upon completion of transmission of a given batch of reports, and will proceed to "read" each line of the buffer file, looking for a header. When a header is encountered, the filer will determine whether the record corresponds to a known report type, as defined by your site, and if so, it will attempt to direct the record to the appropriate file and fields in VistA.

On occasion, the Router/filer will not be able to identify the appropriate record in the target file, and will, therefore, be unable to file the record. When this happens, the process will leave the record in the buffer file and send an alert to the user who invoked the upload utility, and to a group of users identified by the site as being able to respond to such filing errors.

Upload Menu cont'd
When ***any*** of the alert recipients chooses to act on one of these alerts (by entering "VA" at any menu prompt, and choosing the alert on which they wish to act), they will be shown the header of the failed record, and allowed to inquire to the patient record, before being presented with their preferred VistA editor, and will then be allowed to edit the buffer (e.g., correct a bad social security number, admission date, etc.) and retry the filer. With each attempt to correct the buffered data and retry the filer, all alerts associated with that batch will be deleted (and if the condition remains uncorrected, re-sent), until all records in the batch are successfully filed.

Batch Upload Reports

Kermit Protocol Upload

If your site is using the upload option to transfer batches of discharge summaries from a remote computer using the Kermit transfer protocol, start the upload process by following the sequence below:

1. Choose UP from your Upload Menu.

```
You are currently logged into DIVISION: SALT LAKE CITY HCS

If a hospital location cannot be determined for an uploaded
document, the document's division may be loaded with your log-in
division.

   1      Upload Documents
   2      Help for Upload Utility

Select Upload Menu Option: UP  Batch upload reports

                     K E R M I T   U P L O A D
Now start a KERMIT send from your system.
Starting KERMIT receive.
#N3
```

Note: **When entering the Upload Menu you receive a warning which specifies which division you are logged into. If division information is not explicitly available in the header, then it uses division information from your most current login. To change this division without re-logging in, you can use the XUSER DIV CHG option from the TBOX menu.**

2. When you see the #N3 prompt, initiate the Kermit file transfer from your computer. Try the default settings for the Kermit protocol as provided by your terminal emulation software. If you have problems, consult your terminal emulator user manual or contact your local IRM Service.

3. When the transfer is complete, you'll see this message:

```
File transfer was successful.  (1515 bytes)
Filer/Router Queued!
Press RETURN to continue...<Enter>
   1      Upload Documents
   2      Help for Upload Utility
Select Upload menu Option:  <Enter>
```

ASCII Protocol Upload

If your site is using the upload option to transfer batches of discharge summaries from a remote computer using the ASCII transfer protocol, start the upload process by following the example shown below:

1. Choose UP from your Upload Menu.

```
   1      Upload Documents
   2      Help for Upload Utility

Select Upload menu Option: UP  Batch upload reports

A S C I I   U P L O A D
```

☞ **Note:** **If you are at a site that uses multiple divisions, you will receive a warning at this time specifying which division you are logged into. If division information is not explicitly available in the header, then it uses division information from your most current login. To change this division without re-logging in, you can use the XUSER DIV CHG option from the TBOX menu.**

2. **When the "Initiate upload procedure:" prompt appears, initiate the ASCII file transfer from your computer.**

☞ **NOTE:** **If you have problems, consult your local IRM Service to see if the Terminal and Protocol Set-up parameters have been set up as shown in the Implementation and Maintenance Section of the TIU Technical Manual, or check the user manual for your terminal emulator.**

```
Initiate upload procedure:
$HDR:                                   DISCHARGE SUMMARY
>PATIENT NAME:                           TIUPATIENT,ONE
>SOC SEC NUMBER:                         666-12-1212
>ADMISSION DATE:                         02/20/93
>DISCHARGE DATE:                         02/25/93
>DICTATED BY:                            TIUPROVIDER,TWO
>DICTATION DATE:                         02/26/93
>ATTENDING PHYSICIAN:                    TIUPROVIDER,TEN
>TRANSCRIPTIONIST ID:                    T1212
```

```
>URGENCY:                                PRIORITY
>DIAGNOSIS:
>1.  Acute pericarditis.
>2.  Status post transmetatarsal amputation, left foot.
>3.  Diabetes mellitus requiring insulin.
>4.  Diabetic neuropathy.
>
>Operations/Procedures performed during current admission:
>1.  Status post transmetatarsal amputation of left foot on 3/17/93.
>2.  Echocardiogram done 3/17/93.
.
.
.
$END
Filer/Router Queued!

Press RETURN to continue...<Enter>
```

Handling upload errors

ASCII PROTOCOL UPLOAD / WITH ALERT:

```
   1      Upload Documents
   2      Help for Upload Utility

UPLOAD PROCESS (555972453) Failed: LOOKUP FAILED
          Enter  "VA   VIEW ALERTS     to review alerts
Select Upload menu Option: VA  View Alerts

 1.   UPLOAD PROCESS (555972453) Failed: LOOKUP FAILED
          Select from 1 to 1
          or Enter ?, A, I, P, M, R, or ^ to exit: 1

The header of the failed record looks like this:

$HDR: DISCHARGE SUMMARY
PATIENT NAME: TIUPATIENT,ONE
SOCIAL SECURITY NUMBER: 666-09-1244P
DATE OF ADMISSION: 11/17/95
DATE OF DISCHARGE:
DICTATED BY: TIUPROVIDER,TWENTY
DICTATION DATE: 4/16/96
ATTENDING PHYSICIAN: TIUPROVIDER,ONE
TRANSCRIPTIONIST: C7689
URGENCY: PRIORITY
$TXT

Inquire to patient record? YES// <Enter>

Select PATIENT: TIUPATIENT,ONE    09-12-44     666091244P     TO VETERAN
The following admissions are available:

   (dcs indicates a Discharge Summary exists)

         09-12-44     812091244P     SC VETERAN
   1        TIUPATIENT,ONE    Adm: 07/22/95    Dis: 10/28/92  Open
   2        TIUPATIENT,ONE    Adm: 10/28/95    Dis: 10/28/92  Open
   3        TIUPATIENT,ONE    Adm: 11/16/92    Dis:           Open
CHOOSE 1-3: 3
```

ASCII PROTOCOL UPLOAD / WITH ALERT (cont'd)

```
Patient: TIUPATIENT,ONE           SSN: 666-09-1244P     Sex: MALE
    Ward: 1A                      Race:                  Age: 48
Att Phys: TIUPROVIDER,EIGHT       Prim Phys: TIUPROVIDER,EIGHT
Adm Date: 11/16/95
  Adm Dx: ILL

Select PATIENT: <Enter>

You may now edit the buffered upload data.. . .
 (Press PF1 then H for help)
==[ WRAP ]==[ INSERT  ]===========<  >============================
$HDR: DISCHARGE SUMMARY
PATIENT NAME: TIUPATIENT,ONE
SOCIAL SECURITY NUMBER: 666-09-1244P
DATE OF ADMISSION: 11/16/95    = Cursor to this point and change the 7 to a 6,
then
DATE OF DISCHARGE:                 Enter <PF1>E to exit and save
DICTATED BY: TIUPROVIDER,THREE
DICTATION DATE: 4/16/96
ATTENDING PHYSICIAN: TIUPROVIDER,TWO
TRANSCRIPTIONIST: C7689
URGENCY: PRIORITY
$TXT
DIAGNOSES:
1. Status post coronary artery bypass graft.
2. Unstable angina prior to coronary artery bypass graft.
3. End stage renal disease.
4. Diabetes mellitus.
5. Hypertension.
6. History of peptic ulcer disease.
M=====T======T======T=======T=======T=======T=======T=======T====T

Now would you like to retry the filer? YES// <Enter>
Filer/Router Queued!

   1      Upload Documents
   2      Help for Upload Utility

Select Upload menu Option: <Enter>
```

In the example above, notice that patient One TIUPatient had no admission on 11/17/96, so the filer could not create a record in the target file for this discharge summary record. The user acts on the alert to correct the admission date as 11/16/96, and retries the filer, which is now able to file the record appropriately, and the alerts are removed for all recipients.

Avoiding Upload Errors

TIU uses header information to file uploaded notes in the TIU Document File (#8925). Naturally, if this information is inaccurate, then either a filing error is generated or the note is filed incorrectly.

☞ **Note:** **Certain errors in the upload header can cause the upload routine to file the note incorrectly. This is a patient safety issue, so the accuracy of captions should be verified where possible.**

Each type of document has a different set of upload captions and, in some cases, a different upload routine. Each routine tries to avoid incorrect filing of notes by cross-checking the patient information and dates with other information such as the consult number or surgery case number. Some types of documents have unique fields to assist the upload program in accomplishing these cross checks and/or to file the document.

A missing field error is generated either when a required field is missing, or a field does not match the example data given in the Upload Help Display (see **Display Upload Help** below).

The following table gives information on required fields and the cross-checks performed on fields for several document classes:

Type of Document	Caption	Use
PROGRESS NOTES	SSN	Required by filing routine
	VISIT/EVENT DATE	Required by filing routine. The patient record indicated by the SSN is checked for a matching visit or event.
	TITLE	Required by filing routine
	LOCATION	Required by filing routine
	AUTHOR	Generates missing field error
	DATE/TIME OF DICT	Generates missing field error
DISCHARGE SUMMARY	PATIENT SSN	Required by filing routine
	DATE OF ADMISSION	Required by filing routine. The patient record indicated by the SSN is checked for a matching admission date.
	DICTATED BY	Generates missing field error
	DICTATION DATE	Generates missing field error
	ATTENDING PHYSICIAN	Generates missing field error
	URGENCY	Generates missing field error

Type of Document	Caption	Use
CLINICAL PROCEDURES	SSN	Required by filing routine
	TITLE	Required by filing routine. This is the name of the procedure. The patient record indicated by the SSN is checked for a matching procedure.
	VISIT/EVENT DATE	Required by filing routine. The patient record indicated by the SSN is checked for a matching visit or event.
	CONSULT REQUEST NUMBER	Required by filing routine. The patient record indicated by the SSN is checked for a matching consult, that the consult is a clinical procedure, and that results are available for interpretation.
	TIU DOCUMENT NUMBER	Only required by filing routine when an incomplete CP document has been attached by the CPUser program. In this case, the consult request is checked for a matching TIU Document Number.
	DATE/TIME OF DICTATION	Required by filing routine
	LOCATION	Required by filing routine
	AUTHOR	Generates missing field error
CONSULTS	SSN	Required by filing routine
	TITLE	Required by filing routine
	CONSULT REQUEST NUMBER	Required by filing routine. The patient record indicated by the SSN is checked for a matching consult.
	VISIT/EVENT DATE	Required by filing routine. The patient record indicated by the SSN is checked for a matching visit.
	AUTHOR	Generates missing field error
	LOCATION	Required by filing routine
	DATE/TIME OF DICTATION	Generates missing field error

Type of Document	Caption	Use
PROCEDURE REPORT	PATIENT SSN	Required by filing routine
	DOCUMENT NUMBER	Required by filing routine. If missing, the upload routine infers it from the SSN and Operation Date (an optional field).
	SURGICAL CASE	Required by filing routine. If missing, the upload routine infers it from the SSN and Operation Date. Then, if there is more than one matching surgical case, it generates a missing field error.
	DICTATION DATE	Generates missing field error
	ATTENDING SURGEON	Generates missing field error
	DICTATED BY	Generates missing field error
OPERATION REPORT	PATIENT SSN	Required by filing routine
	DOCUMENT NUMBER	Required by filing routine. If missing, the upload routine infers it from the SSN and Operation Date (an optional field).
	SURGICAL CASE	Required by filing routine. If missing, the upload routine infers it from the SSN and Operation Date. Then, if there is more than one matching surgical case, it generates a missing field error.
	DICTATION DATE	Generates missing field error
	DICTATING SURGEON	Generates missing field error
	ATTENDING SURGEON	Generates missing field error
	STAT or ROUTINE	Generates missing field error

Display Upload Help

Transcriptionists may select this option in the Upload Menu to display the formats expected by the upload process for the report types defined at your site.

The captioned headers may be captured as ASCII data and used to build macros using a commercial word-processors (e.g., WordPerfect or Microsoft Word), thereby avoiding having to retype the captioned headers, while minimizing the risk of spelling errors or inconsistencies with the formats expected by the host system.

```
   UP     Batch upload reports
   HLP    Display upload help

Select Upload menu Option: HLP  Display upload help
Select REPORT TYPE: DISCHARGE SUMMARY// <Enter>  Discharge Summary

$HDR:                                   DISCHARGE SUMMARY
SOC SEC NUMBER:                         666-12-1212
ADMISSION DATE:                         02/21/96
DISCHARGE DATE:                         02/25/96
DICTATED BY:                            TIUPROVIDER,TWO
DICTATION DATE:                         02/26/96
ATTENDING:                              TIUPROVIDER,SEVEN
TRANSCRIPTIONIST ID:                    T1212
URGENCY:                                PRIORITY
$TXT
  DISCHARGE SUMMARY Text
$END

*** File should be ASCII with width no greater than 80 columns.
*** Use "___" for "BLANKS" (word or phrase in dictation that isn't understood).

Press RETURN to continue...<Enter>
```

Chapter 7: TIU for Remote Users

The options on this menu allow remote users (e.g., VBA RO personnel) to access documents which have been completed (i.e., legally authenticated by signature or cosignature, if necessary), to facilitate processing of claims.

Remote User Menu

Option	Description
Individual Patient Document	This option allows remote users (e.g., VBA RO personnel) to access individual documents which have been completed.
Multiple Patient Documents	This option allows remote users (e.g., VBA RO personnel) to review and print multiple documents which have been completed

Individual Patient Document

Steps to use option:

1. Select *Individual Patient Document* from your TIU menu.

```
Select Integrated Document Management Option: Individual Patient Document
```

2. Select a patient.

```
Select PATIENT NAME: TIUPATIENT,ONE        09-12-44     666233456     YES   SC
VETERAN
            (2 notes)  C: 05/28/96 12:37  (addendum 08/12/96 16:04)
            (2 notes)  W: 05/28/96 12:33
                       A: Known allergies
            (3 notes)  D: 07/08/96 14:14

Available documents:  02/17/92 thru 10/28/96  (54)
```

3. Enter a date range to display documents for.

```
Please specify a date range from which to select documents:
List documents Beginning: 02/17/96// <Enter>  (FEB 17, 1992)
                    Thru: 10/28/96// <Enter> (OCT 28, 1996)
                      Adm: 12/22/94
1  01/09/96 17:51  Diabetes Education         FOUR TIUPROVIDER, MS3
                      Adm: 07/22/91
    SUBJECT: Diet etc.
2  09/29/95 16:54  Lipid Clinic               FIVE TIUPROVIDER
                      Adm: 08/14/95
    SUBJECT: Dyslipidosis
3  04/24/96 08:28  Lipid Clinic               ONE TIUPROVIDER, MD
                    Visit: 04/24/92
    SUBJECT: Lipid test
4  02/17/96 08:00  Arterial Evaluation -      THREE TIUPROVIDER,
                    Visit: 02/17/92
    SUBJECT: Rule out embolus, lower extremity   '^' TO STOP: 2
```

4. Choose a document from the list.

```
Choose documents:  (1-4): 1

Opening Diabetes Education record for review...
```

```
Browse Document          Jun 26, 1996 17:08:45    Page: 1 of   1
                       Diabetes Education
TIUPATIENT,ONE 666-23-3456            Visit Date: 01/09/96@17:06

DATE OF NOTE:JAN 09,1996@17:51:04  ENTRY DATE:JAN 09, 1996@17:51:04
      AUTHOR: TIUPROVIDER,ONE      EXP COSIGNER: TIUPROVIDER,THREE
     URGENCY:                            STATUS: COMPLETED

Provided Mr. TIUPatient with Diabetes diet pamphlet and explained areas he
especially needed to be concerned about.

/es/ Three TIUProvider, MD
for Five TIUProvider, MS3
Medical Student III

          + Next Screen  - Prev Screen  ?? More actions
     Find                      Print                     Quit

Select Action: Quit// Print
```

5. The document is printed at the device you specified.

```
------------------------------------------------------------------
TIUPATIENT,ONE  666-23-3456                       Progress Notes
------------------------------------------------------------------
NOTE DATED: 01/09/96 17:51    DIABETES EDUCATION
ADMITTED: 07/22/91 11:06 1A
SUBJECT: Lipid TEST

Provided Mr. TIUPatient with Diabetes diet pamphlet and explained areas he
especially needed to be concerned about.

                  Signed by: /es/ TIUPROVIDER,FIVE, MD
                                Medical Student III 01/23/96 08:34
                                   Analog Pager:  1-900-555-8398
                                   Digital Pager: 1-900-555-7883
                Cosigned by: /es/ TIUPROVIDER,THREE
                                   01/23/96 08:34
                                   Analog Pager: 1-900-555-8398
                                   Digital Pager:1-900-555-7883
```

Multiple Patient Documents

Use this option to see a list of clinical documents for more than one patient in TIU. You can specify types, categories, and time range.

☞ **Caution: Avoid making your requests too broad (in statuses, search categories, and date ranges) because these searches can use a lot of system resources, slowing the computer system down for everyone. The example below would probably be too broad in a large hospital.**

Steps to use option:

1. Select *Multiple Patient Documents* from your TIU menu.

--- Remote User Menu ---

1 Individual Patient Document
2 Multiple Patient Documents

Select Text Integration Utilities (Remote User) Option: **2** Multiple Patient Documents

2. Enter a status.

```
Select Status: COMPLETED// all   undictated  untranscribed  unreleased
                                 unverified  unsigned  uncosigned
                                 completed amended  purged  deleted
```

3. Select a document type (such as Discharge Summary, Progress Notes, Addendum).

```
Select Clinical Documents Type(s): All Discharge Summary, Progress Notes,
Addendum
```

4. Select one of the following search categories

```
1    All Categories       6    Patient            11   Transcriptionist
2    Author               7    Problem            12   Treating Specialty
3    Division             8    Service            13   Visit
4    Expected Cosigner    9    Subject
5    Hospital Location    10   Title
```

Enter selection(s) by typing the name(s), number(s), or abbreviation(s).

```
Select SEARCH CATEGORIES: AUTHOR// all   All Categories
```

5. Enter a date range.

```
   Start Reference Date [Time]: T-7// <Enter>   (JUN 02, 1997)
   Ending Reference Date [Time]: NOW// <Enter>   (JUN 09, 1997@11:19)
Searching for the documents..
```

6. All the documents for the criteria selected are displayed. Choose an action to perform, then the document to perform it on.

```
ALL Documents          Jun 09, 1997 11:20:01       Page:    1 of    1
          by ALL CATEGORIES from 06/02/97 to 06/09/97     14 documents
   Patient              Document                        Ref Date  Status
1  TIUPATIE (T1965) ADVANCE DIRECTIVE                   06/06/97 completed
2  TIUPATIE (T1255) Addendum to CLINICAL WARNING        06/05/97 completed
3  TIUPATIE (T1239) Adverse React/Allergy               06/05/97 completed
4  TIUPATIE (T1239) CRISIS NOTE                         06/05/97 completed
5  TIUPATIE (T1255) FANCY RAT NOTES                     06/04/97 completed
6  TIUPATIE (T1255) Addendum to Adverse React/Aller 06/04/97 completed
7  TIUPATIE (T1255) Addendum to Adverse React/Aller 06/04/97 completed
8  TIUPATIE (T3456) FANCY RAT NOTES                     06/04/97 completed
9  TIUPATIE (T1255) Addendum to Adverse React/Aller 06/03/97 completed
10 TIUPATIE (T2591) FANCY RAT NOTES                     06/03/97 completed
11 TIUPATIE (T1462) Addendum to FANCY RAT NOTES         06/03/97 completed
12 + TIUPATI(T1462) FANCY RAT NOTES                     06/03/97 completed
13 + TIUPATI(T2591) Discharge Summary                   06/02/97 completed
14 TIUPATIE (T2591) Addendum to Discharge Summary       06/02/97 unsigned

        + Next Screen  - Prev Screen  ?? More Actions              >>>
     Find                      Browse                    Change View
     Detailed Display          Print                     Quit
Select Action: Quit// P=13
DEVICE: HOME//   PRINTER
```

Multiple Patient Documents, cont'd

```
SALT LAKE CITY                          06/09/97 11:29       Page:  1
-----------------------------------------------------------------------
PATIENT NAME           | AGE | SEX | RACE |     SSN     | CLAIM NUMBER
TIUPATIENT,SEVEN       |  66 |  M  | AMER | 666-04-2591P|
-----------------------------------------------------------------------
  ADM DATE   |  DISC DATE   | TYPE OF RELEASE   | INP | ABS | WARD NO
MAY 30, 1997 |              |                   |     |     |
-----------------------------------------------------------------------
DICTATION DATE: JUN 02, 1997        TRANSCRIPTION DATE: JUN 02, 1997
TRANSCRIPTIONIST: jg
DIAGNOSIS:
toe injury

OPERATIONS/PROCEDURES:
evaluated for prosthesis
C O P Y
SIGNATURE APPROVING PHYSICIAN/DENTIST
/es/ NINE TIUPROVIDER
                                        NINE TIUPROVIDER
                                        NINE TIUPROVIDER

JUN 02, 1997@16:55:56  ADDENDUM:
In remission.

                              SIGNATURE APPROVING PHYSICIAN/DENTIST


                                        Three TIUProvider, MS
```

Chapter 8: Progress Notes Print Options

Clinicians can print progress notes but most printing is geared towards MAS and managing this function on a medical center level.

TIU offers two methods of printing documents:

1. Print actions on option screens: Clinicians may print all types of documents using a variety of methods from the List Manager interface for TIU, including Progress Notes, Discharge Summaries, Consults, etc. Work and chart copies are possible. Chart copies are the recommended type of printed copy, but many sites still want to print work copies. For example, you may want to print work copies of unsigned notes.

Other than the above List Manager printing, all other print options are on print menus. Only signed notes are available from these options.

2. Progress Notes Print Menus

Progress Notes Print Menu

For many types of users: clinical, administrative, management.

MAS Options to Print Progress Notes

For printing at the Wards and Clinics, both by individual patient and batch printing.

Progress Notes Print Menu

All of the options on this menu support the printing of chart or work copies.

☞**NOTE:** The location print option prints for any location that has signed notes entered for it, but it doesn't track anything.

Option	Description
Author– Print Progress Notes	This option produces chart or work copies of progress notes for an author, for a selected date range.
Location– Print Progress Notes	This option prints chart or work copies of progress notes for all patients who were at a specific location when the notes were written. The patients whose progress notes are printed on this report may not still be at that location. If Chart Copy is selected, each note will start on a new page.
Patient– Print Progress Notes	This option prints or displays progress notes for a selected patient by a selected date range.
Ward– Print Progress Notes	This option allows you to print progress notes for all patients who are now on a ward for a selected date range. This option is only for ward locations. NOTE: Copies can only be printed to a printer, not to a computer screen.

MAS Options to Print Progress Notes

The MAS options are intended for printing at the Wards and Clinics, both by individual patient and batch printing.

Option	Description
Admission- Prints all PNs for Current Admission	This option prints all progress notes for a selected patient for the current admission if patient is an inpatient or LAST admission if the patient has been discharged.
Batch Print Outpt PNs by Division	This option batch prints outpatient progress notes in terminal digit order by division. Locations that the site would like excluded from this job may edit field #3 in file #8925.93. If the location is not entered in file #8925.93, it WILL be included.
Outpatient Location- Print Progress Notes	This option is designed to be used primarily by MAS. It produces CHARTABLE notes and tracks the last note printed for the selected outpatient location. Output is sorted in alphabetical order by patient.
Ward- Print Progress Notes	This option allows the printing of Progress Notes for ALL patients on the ward at the time the job is queued to print. All of the notes for a selected date range (regardless of the location of the note) will print. This option is only for WARD locations. NOTE: Copies can only be printed to a printer, not to a computer screen.

Author – Print Progress Notes Example

```
 ---Print Progress Notes---

   PNPA   Author- Print Progress Notes
   PNPL   Location- Print Progress Notes
   PNPT   Patient- Print Progress Notes
   PNPW   Ward- Print Progress Notes

Select Progress Notes Print Options Option: author- Print Progress Notes

                   Print Progress Notes for a Selected AUTHOR
---------------------------------------------------------------------------

AUTHOR:    TIUPROVIDER,THREE        TT            MD

Available notes: Aug 24, 1995 thru Oct 03, 1996
Print Notes Beginning: t-100  (MAY 01, 1996)
                 Thru: t-60  (JUL 10, 1996)

Searching for the notes........
>> 8 notes found for TIUProvider,Three
Do you want WORK copies or CHART copies? CHART// <Enter>
DEVICE: HOME// PRINTER
```

```
---------------------------------------------------------------------------
ANDERSON,H C  666-12-3456                                   Progress Notes
---------------------------------------------------------------------------
NOTE DATED: 05/08/96 11:01    DIABETES EDUCATION
ADMITTED: 04/21/96 10:00 2B

---------------------------------------------------------------------------
SUBJECTIVE:    45 year old AMERICAN INDIAN here for
               initial evaluation of his DYSLIPIDEMIA.
               COPIED FROM TIUCLIENT TO TIUPATIENT...
PMH:

               Significant negative medical history pertinent to the
               evaluation and treatment of DYSLIPIDEMIA:

FH:

SH:

MEDICATION
HISTORY:       CURRENT MEDICATIONS

DIET:          Counseled on AHA Step I diet today by NINE TIUPROVIDER.
               See her evaluation.
ACTIVITY:

OBJECTIVE:     HT:  70 (08/23/95 11:45)   WT:  207 (08/23/95 11:45)
               TSH/T4: 1.7/1.1
                  FBG: 200           HEMOGLOBIN A1C: 15.2
                 SGOT: 44               URIC ACID: 4.7
Enter RETURN to continue or '^' to exit: <Enter>
```

Author – Print Progress Notes Example cont'd

```
---------------------------------------------------------------------------
TIUPATIENT,ONE  666-12-3456                                  Progress Notes
---------------------------------------------------------------------------
06/05/96 15:18       ** CONTINUED FROM PREVIOUS SCREEN **

ASSESSMENT:    1.      MALE with / without documented CAD
               2.      CV Risk factors:
               3.      Lipid pattern:
PLAN:          1.      Implement recommendations to lower fat intake.
               2.      Repeat FBG and HBG A1C on:
               3.      Return to review lab on:

                  Signed by: /es/  Three TIUProvider, MS
                                   Physician Assistant 06/21/96 07:47
                                   Analog Pager:  555-1213
                                   Digital Pager: 555-1215

Enter RETURN to continue or '^' to exit:<Enter>

---------------------------------------------------------------------------
TIUPATIENT,ONE  666-12-3456                                  Progress Notes
---------------------------------------------------------------------------
NOTE DATED: 06/21/96 11:38    SOCIAL WORK SERVICE
ADMITTED: 06/01/96 10:00 2B
Follow-up to 6/1/96 visit.

                  Signed by: /es/ Three TIUProvider, MS
                                   Physician Assistant 06/21/96 07:47
                                   Analog Pager:  555-1213
                                   Digital Pager: 555-1215

Enter RETURN to continue or '^' to exit:<Enter>

---------------------------------------------------------------------------
TIUPATIENT,SEVEN 666-04-2591P                                Progress Notes
---------------------------------------------------------------------------
NOTE DATED: 07/03/96 14:18    LIPID CLINIC
ADMITTED: 05/28/96 15:58 1A
SUBJECTIVE:    65 year old AMERICAN INDIAN OR ALASKA NATIVE MALE here for
               initial evaluation of his DYSLIPIDEMIA.
               MORE STUFF...
PMH:

               Significant negative medical history pertinent to the
               evaluation and treatment of DYSLIPIDEMIA:

FH:

SH:

MEDICATION
HISTORY:       CURRENT MEDICATIONS

DIET:          Counseled on AHA Step I diet today by NINE TIUPROVIDER.

ACTIVITY:
```

Author – Print Progress Notes Example cont'd

```
OBJECTIVE:     HT:  70 (08/23/95 11:45)   WT:  178 (07/01/96 17:15)
               TSH/T4: 1.7/1.1
                  FBG: 223           HEMOGLOBIN A1C: 15.2
                 SGOT: 44               URIC ACID: 4.7

ASSESSMENT:    1.      MALE with / without documented CAD
               2.      CV Risk factors:
               3.      Lipid pattern:

PLAN:          1.      Implement recommendations to lower fat intake.
               2.      Repeat FBG and HBG A1C on:
               3.      Return to review lab on:

                  Signed by: /es/  Three TIUProvider, MS
                                   Physician Assistant 07/03/96 14:19
                                   Analog Pager:  1-900-555-8398
                                   Digital Pager: 1-900-555-7883

Enter RETURN to continue or '^' to exit: ^
AUTHOR: <Enter>
```

Location – Print Progress Notes Example

```
Select Progress Notes Print Options Option: Location- Print Progress Notes

                  Print Progress Notes for a Selected LOCATION
---------------------------------------------------------------------------

Select HOSPITAL LOCATION NAME: GENERAL MEDICINE       TIUPROVIDER,TWENTY

Available notes: Sep 06, 1995 thru Oct 02, 1996
Print Notes Beginning: t-30  (SEP 08, 1996)
                 Thru: t  (OCT 08, 1996)

Searching for the notes..
>> 2 notes found for GENERAL MEDICINE
Do you want WORK copies or CHART copies? CHART// <Enter>
DEVICE: HOME// <Enter>  VAX
```

```
---------------------------------------------------------------------------
TIUPATIENT,ONE 666-23-3456                                Progress Notes
---------------------------------------------------------------------------
NOTE DATED: 10/01/96 11:59    BP TEST
VISIT: 04/18/96 10:00 GENERAL MEDICINE
     NAME: TIUPATIENT,ONE
      SEX: MALE
      DOB: SEP 12,1944

ALLERGIES: Amoxicillin, Aspirin, MILK

     LABS: No data available

   LIPIDS: No data available

       HT: 72 (08/23/95 11:45)
       WT: 190 (08/23/95 11:45)

                  Signed by: /es/ Three TIUProvider, MS
                                  10/01/96 15:38
                                  Analog Pager:  1-900-555-8398
                                  Digital Pager: 1-900-555-7883

Enter RETURN to continue or '^' to exit: <Enter>

---------------------------------------------------------------------------
TIUPATIENT,SEVEN 666-04-2591P                              Progress Notes
---------------------------------------------------------------------------
NOTE DATED: 09/17/96 13:37    LIPID CLINIC
VISIT: 08/18/96 08:00 GENERAL MEDICINE
SUBJECTIVE:    55 year old AMERICAN INDIAN OR ALASKA NATIVE MALE here for
               initial evaluation of his DYSLIPIDEMIA.

PMH:
               Significant negative medical history pertinent to the
               evaluation and treatment of DYSLIPIDEMIA:

FH:

SH:
MEDICATION
HISTORY:       CURRENT MEDICATIONS
DIET:          Counseled on AHA Step I diet today by NINE TIUPROVIDER.
```

```
Enter RETURN to continue or '^' to exit: <Enter>
```

Location – Print Progress Notes Example cont'd

```
---------------------------------------------------------------------------
TIUPATIENT,SEVEN  666-04-2591P                              Progress Notes
---------------------------------------------------------------------------
09/17/96 13:37       ** CONTINUED FROM PREVIOUS SCREEN **

ACTIVITY:

OBJECTIVE:     HT:  70 (08/23/96 11:45)   WT:  207 (08/23/96 11:45)

               TSH/T4: 1.7/1.1

                  FBG: 200           HEMOGLOBIN A1C: 15.2

                 SGOT: 44               URIC ACID: 4.7

ASSESSMENT:    1.      MALE with / without documented CAD
               2.      CV Risk factors:
               3.      Lipid pattern:

PLAN:          1.      Implement recommendations to lower fat intake.
               2.      Repeat FBG and HBG A1C on:
               3.      Return to review lab on:

                  Signed by: /es/ Three TIUProvider, MD
                                  10/02/96 10:34
                                  Analog Pager:  1-900-555-8398
                                  Digital Pager: 1-900-555-7883


Enter RETURN to continue or '^' to exit: ^

Select HOSPITAL LOCATION NAME: ^Patient– Print Progress Notes Example
```

Location – Print Progress Notes Example cont'd

```
Select Progress Notes Print Options Option: p Patient-Print Progress Notes
                  Print Progress Notes for a Selected PATIENT
-----------------------------------------------------------------
Select PATIENT NAME:TIUPATIENT,THIRTEEN   04-01-44   666776641
    YES   SC VETERAN
            (1 note )  W: 09/02/95 09:00

Available notes: Sep 06, 1995 thru Mar 21, 1996
Print Notes Beginning: t-360  (APR 08, 1995)
                 Thru: t  (APR 02, 1996)
Searching for the notes.....
>> 5 notes found for TIUPATIENT,THIRTEEN
Do you want WORK copies or CHART copies? CHART// <Enter>
Do you want to start each note on a new page? NO//<Enter>
DEVICE: HOME// <Enter>  LAT TERMINALS
```

```
-----------------------------------------------------------------
TIUPATIENT,EIGHT  666-77-6641                        Progress Notes
-----------------------------------------------------------------
NOTE DATED: 09/01/95 12:00    General Note
VISIT:                CARDIOLOGY

This is a very sad situation.  It is also a general progress
note.  We hope the patient does better in the future.
She is quite nice, clean and nice.

                  Signed by: /es/ NINE TIUPROVIDER
                                  VERIFIER 09/06/95 21:51

NOTE DATED: 09/02/95 09:00    Clinical Warning
VISIT:                CARDIOLOGY

Beware: this patient bites.

                  Signed by: /es/ NINE TIUPROVIDER
                                  VERIFIER 09/06/95 21:53

NOTE DATED: 11/08/95 15:20    History & Physical Ex
VISIT: 09/05/95 11:00 DIABETES CLINIC
SUBJECT: TESTING THE GLUCOSE LEVEL

1. Chief Complaint: Numbness in legs
   Reason for Admission (if different from #1)

2. History of Present Illness: Type 2 onset 1993

   Medication Allergies: Penicillin causes rash

   Current Medications: Oral insulin
Enter RETURN to continue or '^' to exit: <Enter>
```

Patient– Print Progress Notes Example cont'd

```
-------------------------------------------------------------------
TIUPATIENT,EIGHT  666-77-6641                        Progress Notes
-------------------------------------------------------------------
11/08/95 15:20       ** CONTINUED FROM PREVIOUS SCREEN **

PAST HISTORY
   1. Hospitalizations: 6/10/93
      Surgeries:                                   Injuries:
      Illness:                                Disabilities:
      Transfusion(s): ( )Yes (X)No
                      If Yes, give date(s):

   2. Unusual Childhood Illnesses:
      Immunizations:
      (X)DT last booster: 1/90    ( )Pneumonia            ( )Flu
      ( )Hep B                    ( )Other:

   3. Habits:   (x)Smoking        (x)Alcohol              ( )Drugs
      Caffeine Use: (x)Coffee     ( )Tea                  ( )Cola
      ( )Suicide Attempts         ( )OTHER:

4. SOCIAL/MILITARY HISTORY (Occupations):
      ( )WWI   ( )WWII    ( )KOREAN    (x)VIETNAM    ( )GULF WAR

      Travel:                        Lives with:

      Source of Income: ( )Job ( )Retired  (x)Pension  ( )Other

5. REVIEW OF SYSTEMS:

6. PHYSICAL:
   1. Ht. HEIGHT     Wt. WEIGHT        Temp.   Resp.
      BP:  Lying:         Sitting:              Standing:

   2. General:  (x)Well  ( )Obese  ( )Thin ( )Malnourished ( )Neat
                ( )Chronically Ill    ( )Toxic  ( )Acute Distress
Head:

Eyes:

ENT:

Enter RETURN to continue or '^' to exit: <Enter>
```

Patient– Print Progress Notes Example cont'd

```
-----------------------------------------------------------------
TIUPATIENT,EIGHT  666-77-6641                       Progress Notes
-----------------------------------------------------------------
11/08/95 15:20       ** CONTINUED FROM PREVIOUS SCREEN **

   6. Neck:

   7. Chest and Breasts:

   8. Lungs:

   9. Lymphatics (Cervical, Epitrocholear, Axillary, Inguinal, Popliteal):
  10. Heart:

  11. Abdomen:

  12. Pelvic/Genitalia (Penis, Scrotum, Testicles):

  13. Rectal:

  14. Neurological:
      Cranial Nerves:
      Peripheral Neurological exam:

      Reflexes: 0 - No reflex                _
                1 - Hyporeflexia            ( )
                2 - Average               __l__
                3 - Brisk               \/  l  \/
                4 - Hypereflexia          ___l___
                                         /       \
                                         l       l
                                        _l       l_
  15. Musculoskeletal:
      Upper Extremities:
      Lower Extremities:
      Spine:
  16. Psychiatric:
      a. Are any cognitive impairments noted?         ( )Yes  ( )No
      b. Are any communication impairments noted?    ( )Yes  ( )No

  17. Skin:

7. WOMEN'S GYNECOLOGICAL HISTORY AND PHYSICAL EXAM

   HISTORY:
   Menarche:     ( )Yes  ( )None  Interval/Duration:
   Characteristics:
Enter RETURN to continue or '^' to exit: <Enter>
```

Patient– Print Progress Notes Example cont'd

```
-----------------------------------------------------------------
TIUPATIENT,EIGHT  666-77-6641                        Progress Notes
-----------------------------------------------------------------
11/08/95 15:20       ** CONTINUED FROM PREVIOUS SCREEN **
   Last Pap:      Results:        Previous Gyn Surgery:
   Birth Control Method:          Number of Pregnancies:
   Miscarriages:
   Stillbirths:   Live Births:    Menopause Onset:   What effect:

   Hormones:                      Prior STD History:

   Last Mammogram:                Results:

   Number of sexual partners in the past six months?
        Y       N          SYMPTOMS                DESCRIPTION
       ( )     ( )  Stress Incontinence
       ( )     ( )  Vaginal Discharge/Itching
       ( )     ( )  Rash/Sores
       ( )     ( )  Lower Abdominal Pain
       ( )     ( )  Dyspareunia
       ( )     ( )  Breast Lumps/Pain
       ( )     ( )  Breast Rash/Nipple Discharge
       ( )     ( )  Abnormal Bleeding
       ( )     ( )  Other:

   PHYSICAL EXAMINATION:
NOTE: Ohio State Law requires that every female inpatient receive a breast and
pelvic exam unless one was performed within the preceding 12 months or the
patient refuses the examination in writing. (Patient must sign below).
   BREASTS:               l  l                    DESCRIPTION/QUADRANT
                    ______l  l_____
                  / /            \  \
                 l  l   l     l   l  l
                 l  l --o-- --o-- l  l
                 l  l   l     l   l  l

   GENITALIA (Vulva, Urethra, Vagina, Cervix, Fundus, Adnexa)
 PATIENT REFUSAL OF EXAMINATION
[ ] I do not wish to receive a breast or pelvic exam at this time.
[ ] I would like to be scheduled for an outpatient breast and pelvic exam at
the Women's Health Clinic.

   Patient's Signature:_______________________________________
8. INITIAL IMPRESSION/ASSESSMENT:
9. WORKING DIAGNOSIS:
10. PLAN:
Enter RETURN to continue or '^' to exit: <Enter>
```

Patient– Print Progress Notes Example, cont'd

```
-----------------------------------------------------------------
TIUPATIENT,TWENTY  666-77-6641                      Progress Notes
-----------------------------------------------------------------
11/08/95 15:20       ** CONTINUED FROM PREVIOUS SCREEN **

NOTE DATED: 03/20/96 08:30    Diabetes Education - Glucose Monitoring
VISIT: 03/19/96 08:00 DIABETES EDUCATION
SUBJECT: TESTING MULTIPLE COPY

Date of Class:
Class:    Advantage Blood Glucose Monitor
Process:  Lecture, Demonstration, and Return Demonstration
Issued:  Advantage monitor, Level I and II glucose control solutions, and 3
boxes (50 each) Advantage test strips.

Subjective:  Patient states:
___________Tests his BG________times/day
___________Has not received previous directions.

Objective:
Patient attended class.  With Significant Other?  No    Yes
Any observed barriers to learning?   No    Yes

Concepts:
1.  Location of batteries.
2.  Using memory.
3.  Coding machine.
4.  Using glucose control. These expire 3 mo after opening.
5.  Performing a blood glucose test.
  A.  Clean fingertip (only) with warm soap and water.
  B. Use side of any or all fingertips unless there is sore or
other damage present.
6.  Proper care and storage of machine and strips.
7.  Disposal of lancets in puncture-proof container.  Label.
A:  Knowledge deficit r/t Advantage SBGM
P:  If no previous directions received, recommend 1-2 X day test and prn any
signs low blood sugar.
RX:
1.  Advantage glucose monitor kit (To pharmacy)
2.  Advantage glucose control solutions. Disp 1 box Q 3 mo.  Refill X3. (To
pharmacy).
3.___No__Advantage Test Strips.Disp:__0___Boxes Q 3 mo. Refill X3.
  ___No____Monojector.  Only one.  No Refill.
  ___No_____Lancets.  #100 Q 3 mo.  Refill X3.
Evidence of Learning:  Patient  coded, used glucose controls,
and checked his own blood sugar during class.  When mistakes were made, they
were acknowledged by patient and corrective action stated.
                  Signed by: /es/ TIUPROVIDER,THREE
                                PGY3 MEDICAL RESIDENT 03/20/96 08:31
```

Ward – Print Progress Notes Example

This option is usually used by the night ward clerk. The output is in RM/BED order to facilitate filing. It prints all notes after the last time they were printed, and for ALL current inpatients on the ward, regardless of whether the location of the note is that ward, a nice feature for transferred patients or patients with outpatient clinic appointment notes. **This print option requires that you specify a printer; you can't print to the screen.**

Print by Ward is designed to support batch printing. It has the unique ability to determine when the last note was printed so that sites can now capture the infamous "orphan" note which was a problem under Progress Notes 2.5. A new page is started for each patient.

```
                 Print Progress Notes for ALL patients on WARD
---------------------------------------------------------------------

Select WARD Location: 6  1A

Print Notes Starting With (DATE/TIME): t-20  (MAY 23, 1997).........
...........
>> 32 notes found for WARD 1A

DEVICE: PRINTER
```

```
=====================================================================
MEDICAL RECORD                                          Progress Notes
=====================================================================
NOTE DATED: 05/27/97  12:13  CLINICAL WARNING
ADMITTED: 04/20/97  15:58  1A

Mr. TIUPatient is becoming violent and self-destructive again. Will try a new
Prescription.

                                Signed by:/ es/ Ten TIUProvider, MD
                                05/27/97  12:14



05/28/98  09:45      Addendum
Mr. TIUPatient is more calm, and responding to counseling and medication

                                Signed by:/ es/ Ten TIUProvider, MD
                                05/28/97  10:14

NOTE DATED: 04/20/97  12:13  CLINICAL WARNING
ADMITTED: 04/20/97  15:58  1A

Mr. TIUPatient is violent and self-destructive again. Prescribed tranquilizer.

                                Signed by:/ es/ Ten TIUProvider, MD
                                04/20/97  01:20

TIUPATIENT,SEVEN            REGION 5                Printed: 06/09/97  11:50
```

Chapter 9: Managing TIU: Introduction

TIU is managed through use of the following tools:

- Menu assignments
- Parameter set-ups
- Document Definitions
- User Class set-up

See the *TIU Implementation Guide* for more detailed instructions on performing these various set-ups.

TIU Maintenance Menu

Option Name	Menu Text	Description
TIU PARAMETERS MENU	TIU Parameters Menu	This option allows the Clinical Coordinator or IRMS Application Specialist to set up either the Basic or Upload Parameters for TIU
TIUF DOCUMENT DEFINITION	Document Definitions	Document Definitions menu, which includes: Edit Document Definitions Sort Document Definitions Create Document Definitions Create Objects Create Post-Signature Alerts
USR CLASS MANAGEMENT MENU	User Class Management	Menu of options for managing User Class Definition and Membership
TIU IRM TEMPLATE MGMT	TIU Template Mgmt Functions	Menu options for managing pre-defined templates created by your medical center.
TIUHL7 Message Manager	TIUHL7 MSG MGR	Utility for viewing message going in and out of the TIU Generic HL7 Interface.
TIU TEXT EVENT EDIT	Text Event Edit	Menu option to set up a text event in the TIU TEXT EVENTS file (#8925.71) so that an alert will be sent to the team(s) specified in the TIU TEXT EVENTS file immediately after a TIU document (progress note, consult, etc.) is created and signed.

TIU ABBV ENTER EDIT	**TIU Unauthorized Abbreviation (Enter/Edit)**	Allows local sites to enter/edit their LOCAL unauthorized abbreviation(s) in the "TIU UNAUTHORIZED ABBREVIATION" File (#8927.9). “CLASS” (# .02) field defaults to LOCAL, "ABBREVIATION EXACT MATCH" (#.03) field defaults to YES, and “STATUS” (#.04) field defaults to ACTIVE when staff enter a new abbreviation. Local sites can only edit the ABBREVIATION EXACT MATCH and the STATUS fields when the CLASS field is set to LOCAL. Sites cannot edit an entry when the CLASS field is set to NATIONAL.
TIU ABBV LIST	**List Unauthorized Abbreviations**	Produces a printed copy of all unauthorized abbreviations, active only or active with inactive.
TIU DOWNTIME BOOKMARK PN	Contingency Downtime Bookmark Progress Notes	Menu option to set up notes to alert clinicians of computer downtime during defined time periods so that clinicians can check patients’ paper records, if necessary.

Legal Requirements

Patient Confidentiality
TIU works with patient records and documents. All users are reminded to be aware of the confidentiality of these records.

Electronic Signature
TIU uses a combination of menu access, User Classes, and Electronic Signature codes to maintain security and responsibility. Individuals in the system who have authority to approve actions, at whatever level, have an **electronic signature code**. Like the access and verify codes used when gaining access to the system, the electronic signature code is not visible on the screen. These codes are also encrypted so that they are unreadable to other users, even when viewed in the user file by those with the highest levels of access. Electronic signature codes are required by TIU for every action that currently requires a signature on paper.

How to Change Your Electronic Signature Code

1. Select User's Toolbox from the Mailman Menu.
2. Select Edit Electronic Signature Code from the User's Toolbox menu.

```
Select Option: User's Toolbox
    Display User Characteristics
    Edit Electronic Signature code
    Edit User Characteristics Menu Templates ...
    Spooler Menu ...
    TaskMan User
    User Help

Select User's Toolbox Option: Edit Electronic Signature code
This option is designed to permit you to enter or change your Initials,
Signature Block Information and Office Phone number. In addition, you are
permitted to enter a new Electronic Signature Code or to change an existing
code.
```

3. Enter your initials.
4. At the "Signature Block Printed Name:" prompt, enter your name as you want it printed on forms that require your signature.

   ☞**NOTE:** If the SIGNATURE BLOCK PRINTED NAME and SIGNATURE BLOCK TITLE fields are disabled at your site, contact your supervisor to request entry of your name and title.

5. At the "Signature Block Title: prompt," enter your job title as you want it printed on forms that require your signature.
6. Enter your office phone number.

Enter your signature code.

Electronic Signature, cont'd

```
INITIAL: JG
SIGNATURE BLOCK PRINTED NAME: FIVE TIUPROVIDER
SIGNATURE BLOCK TITLE: Clinical Coordinator
OFFICE PHONE: (101)555-5736
Enter your Signature Code:xxxxxxx
```

Cosignature
Cosignature requirements are determined at local levels. Sites or departments can set Cosignature requirements for certain kinds of documents through the *Document Parameter Edit* option on the TIU Parameters Menu. Individual clinicians can designate a default cosigner on their Personal Preferences option.

Links and Relationships with Other Packages

TIU is closely linked to other applications and utilities — Authorization/Subscription Utility (ASU) List Manager utility, the Computerized Patient Record System (CPRS), Visit Tracking, etc. This linkage should remain transparent to users, but the IRM Service and Clinical Coordinators will need to coordinate the components.

Instructions will be provided (with a TIU patch) for setting up the interface with CPRS.

See the User and Technical Manuals of the above-listed packages for further instructions about interfaces.

Chapter 10: Menus and Option Assignment

TIU menus and options are not exported on a single menu, but as individual menus intended for categories of users. These are described in earlier sections of this manual and also here. Sites may rearrange these as needed. Recommended assignments are also listed on the following pages. We've also included an example of a potential Clinical Coordinator Menu.

```
Progress Notes(s)/Discharge Summary [TIU] ...
      1      Progress Notes User Menu ...
             1      Entry of Progress Note
             2      Review Progress Notes by Patient
             2b     Review Progress Notes
             3      All MY UNSIGNED Progress Notes
             4      Show Progress Notes Across Patients
             5      Progress Notes Print Options…
             6      List Notes By Title
             7      Search by Patient AND Title
             8      Personal Preferences…
             9      ALL Documents requiring my Additional Signature
      2      Discharge Summary User Menu ...
             1      Individual Patient Discharge Summary
             2      All MY UNSIGNED Discharge Summaries
             3      Multiple Patient Discharge Summaries
      3      Integrated Document Management
             1      Individual Patient Document
             2      All MY UNSIGNED Documents
             3      All MY UNDICTATED Documents
             4      Multiple Patient Documents
             5      Enter/edit Document
             6      ALL Documents requiring my Additional Signature
      4      Personal Preferences ...
             1      Personal Preferences
             2      Document List Management
```

```
Text Integration Utilities (MRT) ...
     1      Individual Patient Document
     2      Multiple Patient Documents
     3      Review Upload Filing Events
     4      Print Document Menu ...
            1      Discharge Summary Print
            2      Progress Note Print
            3      Clinical Document Print
     5      Released/Unverified Report
     6      Search for Selected Documents
     7      Unsigned/Uncosigned Report
     8      Reassignment Document Report
     9      Review unsigned additional signatures
```

```
Text Integration Utilities (MIS Manager) ...
     1      Individual Patient Document
     2      Multiple Patient Documents
     3      Print Document Menu ...
            1      Discharge Summary Print
            2      Progress Note Print
            3      Clinical Document Print
     4      Search for Selected Documents
     5      Statistical Reports...
     6      Unsigned/Uncosigned Report
     7      Missing Text Report
     8      Missing Text Cleanup
     9      Signed/unsigned PN report and update
     10     UNKNOWN Addenda Cleanup
     11     Missing Expected Cosigner Report
     12     Mark Document as 'Signed by Surrogate'
     13     Mismatched ID Notes
     14     TIU 215 ANALYSIS ...
     15     Transcription Billing Verification Report
     16     CWAD/Postings Auto-Demotion Setup
```

```
Text Integration Utilities (Transcriptionist) ...
     1      Enter/Edit Discharge Summary
     2      Enter/Edit Document
     3      Upload Menu...
            1      Upload Documents
            2      Help for Upload Utility
     4      List Documents for Transcription
     5      Review/Edit Documents
     6      Transcription Billing Verification Report
```

```
CWAD/Postings Auto-Demotion Setup ...
     1      Select a CWAD/Postings TITLE for auto-demotion
     2      Select a Non-Posting TITLE as the demotion target
     3      Enter RETURN to continue or '^' to exit
     4      Done. Post-Signature code has been set (or reset) as follows:
     5      TITLE: and POST-SIGNATURE ACTION:
```

```
       Text Integration Utilities (Remote User) ...
          1      Individual Patient Document
          2      Multiple Patient Documents
```

```
       Progress Notes Print Options ...
          PNPA    Author- Print Progress Notes
          PNPL    Location- Print Progress Notes
          PNPT    Patient- Print Progress Notes
          PNPW    Ward- Print Progress Notes
```

```
       Document Definitions (Clinician) ...
          1      Edit Document Definitions
          2      Sort Document Definitions
          3      View Objects
```

```
    MAS Options to Print Progress Notes...
             Admission- Prints all PNs for Current Admission
             Batch Print Outpt PNs by Division
```

```
Outpatient Location- Print Progress Notes
Ward- Print Progress Notes
```

```
TIU Maintenance Menu...
1     TIU Parameters Menu...
          1      Basic TIU Parameters
          2      Modify Upload Parameters
          3      Document Parameter Edit
          4      Progress Notes Batch Print Locations
          5      Division - Progress Notes Print Params
2     Document Definitions (Manager) ...
          1      Edit Document Definitions
          2      Sort Document Definitions/Objects
          3      Create Document Definitions
          4      Create Objects
          5      Create TIU/Health Summary Objects
          6      Create Post-Signature Alerts
3     User Class Management ...
          1      User Class Definition
          2      List Membership by User
          3      List Membership by Class
          4      Manage Business Rules
4     TIU Template Mgmt Functions ...
          1      Delete TIU templates for selected user.
          2      Edit auto template cleanup parameter.
          3      Delete templates for ALL terminated users.
5      TIU Alert Tools
6      Active Title Cleanup Report
7      TIUHL7 Message Manager
8      Title Mapping Utilities ...
9      Text Event Edit
10     Unauthorized Abbreviations (Enter/Edit)
11     List Unauthorized Abbreviations
13     Contingency Downtime Bookmark Progress Notes
```

TIU Conversion Clean-up Menu [GMRP TIU]

This menu comes with Patch GMRP*2.5*44 which is distributed prior to TIU to help clean up the Generic Progress Notes File (#121) and the Generic Progress Notes Title File (121.2). It also contains options to assist in populating the TIU Document Definition File (8925.1), which is roughly equivalent to file #121.2.

This menu is NOT exported on any existing menu. It should be assigned to the person responsible for getting the Progress Notes package ready for conversion to TIU. We suggest that this be limited to one person per site or several people working closely together on these clean-up exercises.

```
1  Calculate Number of PNs per TITLE
2  Number of Notes per TITLE - Report
3  DELETE a Progress Notes TITLE
4  MOVE Notes to Another TITLE
5  Edit TITLE - Enter/Edit Doc Class
6  TITLEs Sorted by Document Class - Report
7  CONVERT TITLEs (#121.2) to TIU (#8925.1)
PRT  Title of Progress Note
UN   List Unsigned Progress Notes by AUTHOR
DEL  Delete a Signed Progress Note
```

Suggested Clinical Coordinator Menu

TIU doesn't export a Clinical Coordinator Menu. However, sites may wish to create one which includes most of the other menus and options, except possibly IRM options requiring programmer access.

```
Text Integration Utilities (Transcriptionist) ...
Text Integration Utilities (MRT) ...
Progress Notes(s)/Discharge Summary [TIU] ...
Text Integration Utilities (MIS Manager) ...
Text Integration Utilities (Remote User) ...
Progress Notes Print Options ...
MAS Options to Print Progress Notes…
Document Definitions  ...
TIU Parameters Menu...
User Class Management ...
    Upload Menu
```

Menu Assignment

We recommend assigning menus as follows:

Option Name	Menu Text	Description	Assign to:
TIU MAIN MENU TRANSCRIP-TION	Text Integration Utilities (Transcriptionist)	Main Text Integration Utilities menu for transcriptionists.	Transcrip-tionists
TIU MAIN MENU MRT	Text Integration Utilities (MRT)	Main Text Integration Utilities menu for Medical Records Technicians.	Medical Records Technicians
TIU MAIN MENU MGR	Text Integration Utilities (MIS Manager)	Main Text Integration Utilities menu for MIS Managers.	MIS Managers.
TIU MAIN MENU CLINICIAN	Progress Notes(s)/ Discharge Summary [TIU]	Main Text Integration Utilities menu for Clinicians.	Clinicians
TIU MAIN MENU REMOTE USER	Text Integration Utilities (Remote User)	This option allows remote users (e.g., VBA RO personnel) to access only those documents that have been completed, to facilitate processing of claims on a need-to-know basis.	VBA RO personnel, etc.
TIU PRINT PN USER MENU	Progress Notes Print Options	Menu for printing Progress Notes.	ADPACs, managers
TIU MAS PRINT PN MENU	MAS Options to Print Progress Notes	Menu of options for printing Progress Notes for specific locations, individually or by batch	MAS ADPACs & supervisors
TIUF DOCUMENT DEFINITION	Document Definitions	Document Definition (Clinician) Document Definition (Manager)	Clinicians Clinical Coordinator, IRM staff
TIU IRM MAINTENANCE MENU	IRM Maintenance Menu	This option allows IRM staff to set/modify the various parameters controlling the behavior of TIU, as well as the definition of TIU documents.	IRM, maybe Clinical Coordinators (or some of the options on the menu)
GMRP TIU	TIU Conversion Clean-up Menu	A menu of options for getting the Progress Notes package ready for conversion to TIU	ADPACs, IRM, or Clinical Coordinators. Limit to few.

Chapter 11: Setting up TIU Parameters

TIU Parameters Menu

This menu contains options for Clinical Coordinators or IRM Application Specialists to set up the basic parameters (including Upload parameters) for TIU.

Menu Text	Option Name	Description
Basic TIU Parameters	TIU BASIC PARAMETER EDIT	This option allows you to enter the basic or general parameters which govern the behavior of the Text Integration Utilities
Modify Upload Parameters	TIU DOCUMENT PARAMETER EDIT	This option allows the definition and modification of parameters for the batch upload of documents into VistA.
Document Parameter Edit	TIU UPLOAD PARAMETER EDIT	This option allows you to enter the parameters that apply to specific documents (i.e., Titles), or groups of documents (i.e., Classes, or Document Classes).
Division - Progress Notes Print Params	TIU PRINT PN DIV PARAM	These parameters are used by the [TIU PRINT PN BATCH INTERACTIVE] and [TIU PRINT PN BATCH SCHEDULED] options. If the site desires a header other than what is returned by $$SITE^ VASITE the .02 field of the 1st entry in this file will be used. For example, Waco-Temple-Marlin can have the institution of their progress notes as "CENTRAL TEXAS HCF."
Progress Notes Batch Print Locations	TIU PRINT PN LOC PARAMS	Option for entering hospital locations used for [TIU PRINT PN OUTPT LOC] and [TIU PRINT PN WARD] options. If locations are not entered in this file they will not be selectable from these options.

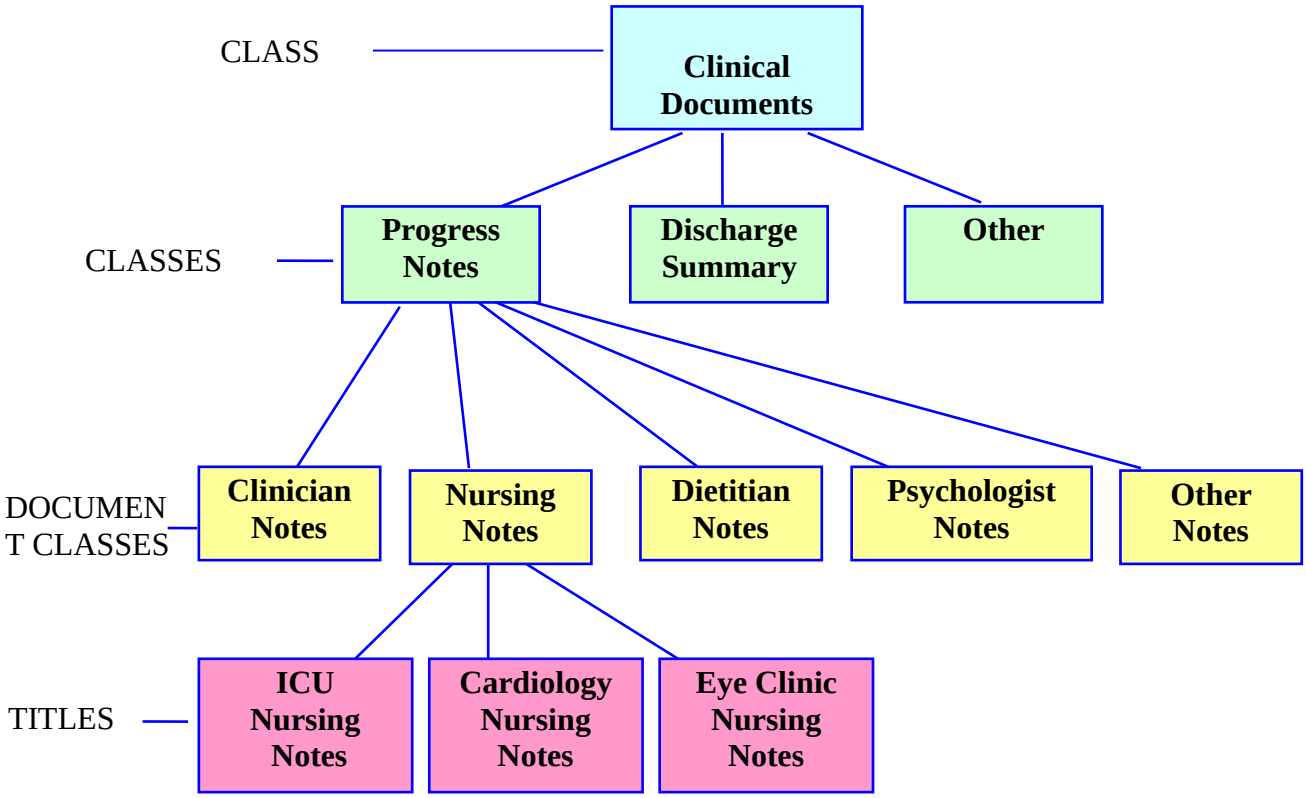
☞ **NOTE:** **The *TIU Implementation Guide* and *TIU Technical Manual* contain instructions and examples for using these options.**

Chapter 12: Document Definitions

TIU uses a document storage database called the Document Definition hierarchy. This hierarchy provides the building blocks for Text Integration Utilities (TIU). It allows documents (Titles) to inherit characteristics of the higher levels, Class and Document Class, such as signature requirements and print characteristics. This structure, while complex to set up, creates the capability for better integration, shared use of boilerplate text, components, and objects, and a more manageable organization of documents. End users (clinical, administrative, and MIS staff) need not be aware of the hierarchy. They work at the Title level with the actual documents.

Plan the Document Definition Hierarchy your site or service will use before installation of TIU and conversion of progress notes. This step is critical to the organization of existing and future documents in each site's implementation of TIU. A worksheet is provided in Appendix A of the *TIU Implementation Guide* to help build the three basic levels.

Example of Document Definition Hierarchy



Document Definition Options

Option Text	Option Name	Description
Edit Document Definitions	TIUFH EDIT DDEFS	This option allows you to view and edit entries. Entries are presented in hierarchy order. Items of an entry are in sequence order, or if they have no sequence, in alphabetic order by menu text, and are indented below the entry. Since Objects don't belong to the hierarchy, they can't be viewed/edited using the Edit Options.
Create Document Definitions	TIUFC CREATE DDEFS	This option allows you to create new entries of any type (Class, Document Class, Title, Component) except Object, placing them where they belong in the hierarchy. Although entries can be created using the Edit and Sort options, the Create option streamlines the process. This option presents entries in hierarchy order, traversing ONE line of descent, starting with Clinical Documents at the top. The Create option permits you to view, edit, and create entries, but only from within the current line of descent. The Create Option doesn't let you copy an entry.
Sort Document Definitions	TIUFA SORT DDEFS	This option allows you to view parts of the hierarchy by selected sort criteria. It displays the selected entries in alphabetic order by Name, rather than in hierarchy order. Depending on sort criteria, entries can include Objects. The Sort option allows you to view and edit entries.
Create Objects	TIUFJ CREATE OBJECTS MGR	This option allows you to create new objects or edit existing objects. First you select Start With and Go To values, and the existing Objects within those values are displayed in alphabetical order.
View Objects	TIUFJ VIEW OBJECTS MGR	This option allows you to look at or edit existing objects. First you select Start With and Go To values, and the existing Objects within those values are displayed in alphabetical order.

☞ **NOTE:** **For further information about using the Document Definition system, see the *TIU/ASU Implementation Guide* or the *TIU Technical Manual.***

Chapter 13: Defining User Classes

The Authorization/Subscription Utility (ASU), which is distributed with TIU, provides a mechanism for sites to associate users with User Classes, allowing them to specify the level of authorization needed to sign or order specific document types and orderables. It also allows privileges to be inherited, through its use of a hierarchical structure. A set of Business Rules (which can be modified or added to by sites) further strengthens the Utility's ability to define roles and responsibilities for clinical documents.

See the *ASU Clinical Coordinator Manual* or the *TIU/ASU Implementation Guide* for more information about ASU, its relationship to TIU, and its implementation.

User Class Management Menu

Option	Option Name	Description
User Class Definition	USR CLASS DEFINITION	This option allows review, addition, editing, and removal of User Classes.
List Membership by User	USR LIST MEMBERSHIP BY USER	This option allows review, addition, editing, and removal of individual members to and from User Classes.
List Membership by Class	USR LIST MEMBERSHIP BY CLASS	This option allows review, addition, editing, and removal of individual members to and from User Classes.
Edit Business Rules	USR EDIT BUSINESS RULES	This option allows the user to enter Business Rules authorizing specific users or groups of users to perform specified actions on documents in particular statuses (e.g., an UNSIGNED PROGRESS NOTE may be EDITED by a PROVIDER who is also the EXPECTED SIGNER of the note, etc.).
Manage Business Rules	USR BUSINESS RULE MANAGEMENT	This option allows you to list the Business rules defined by ASU, and to add, edit, or delete them, as appropriate.

Chapter 14: National Document Titles

Certain entries in the Document Definition file have been exported either with TIU and/or with various TIU patches. The operation of certain functions in VistA and CPRS depends on these entries being there. These entries include certain classes, document classes, and titles. Most exported Document Definitions are marked "National." Local editing of National Document Definitions is severely restricted.

☞ **Note:** **You must limit your editing of national Documents Definitions to actions permitted by the exported Document Definition options. Other editing will cause certain functions of VistA and CPRS to not work properly.**

National Classes

Classes are the most fundamental unit of organization in the Document Definition file.

CLINICAL DOCUMENTS is the root class for all other classes and document classes.
PROGRESS NOTES contains note titles that appear on the Notes tab of CPRS.
DISCHARGE SUMMARY contains note titles that appear on the D/C Summ (Discharge Summary) tab of CPRS.
LR LABORATORY REPORTS was released with patch TIU*1*137 in support of Anatomic Pathology. You should not add any local document classes to this class.
CLINICAL PROCEDURES was released with patch TIU*1*109.
SURGICAL REPORTS was released with patch TIU*1*112 and is not used until the surgery patch SR*3*100 is installed.

National Document Classes

Four of the national document classes are in support of CWAD (CRISIS NOTE, CLINICAL WARNING, ADVERSE REACTION/ALLERGY, ADVANCE DIRECTIVE). If these are changed, then CWAD will not function properly. The same is true for other document classes such as ADDENDUM, DISCHARGE SUMMARIES, and ASI-ADDICTION SEVERITY INDEX. The last of these contains notes pushed from the Psychiatry Package.

For the LR ANATOMIC PATHOLOGY document class, nine (9) business rules were exported by patch **USR*1*23**, the companion patch to **TIU*1*137**. These rules help to ensure that the Anatomic Pathology features of the Lab Package function properly. All access to the titles in this document class (creating, editing, signing, cosigning, and printing) except viewing takes place through the Lab Package. Local sites must not circumvent the rules by adding, modifying, or overriding the business rules. (A list of the exported business rules is in the TIU/ASU Implementation Guide, Exported Business Rules section.)

☞ **Note:** **The TIU class, document class, user class, note titles, and business rules installed by patch TIU*1*137 and USR*1*23 must not be modified in any way or the Anatomic Pathology enhancements to the Lab Package will not work properly. An exception exists in the case of USR*1*31, which directed medical centers to change these rules to refer to CHIEF, MIS or CHIEF, HIM rather than the LR ANATOMIC PATHOLOGY EMPTY CLASS. The VA Office of Inspector General (OIG) determined that these rules are not in harmony with VHA Handbook 1907.1. See the section USR*1*31 Impact on Business Rules in the TIU Implementation Guide for details.**

For document class PATIENT RECORD FLAG CAT I, a business rule was exported by patch USR*1*24, the companion patch to TIU*1*165, that limits the writing of notes in this document class to a select group. This select group is made up of members of the user class DGPF PATIENT RECORD FLAGS MGR. Circumventing this rule violates the intent of keeping the flag documentation process in the hands of qualified domain experts.

Patch TIU*1*171 installed document titles and objects to support Spinal Cord Injury. It also creates the Document Class SCI OUTCOMES. The objects are listed on the TIU Web Page at http://vista.med.va.gov/tiu/html/objects.html.

HISTORICAL PROCEDURES contains medicine procedures that were converted to TIU notes by TIU*1*182 in support of the Medicine Package Conversion patch MD*1*5. This document class must be left with status INACTIVE.

The complete list of national document classes is:

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

☞ **Note:** **Although CONSULTS was not exported as "National," the same cautions apply. If you make explicit changes to CONSULTS, then the Consults tab of CPRS may not work properly.**

TIU*1*169 supports patch DVBA*2.7*53 C & P WORKSHEET MODULE PHASE. These patches together allow users to create C & P Examination documents and store them in TIU. The advantage to this is that providers are allowed to view the C & P exams in CPRS along with the rest of a patient's medical record. C & P documents are entered through the C & P Worksheet Module using a title in the C & P EXAMINATION REPORTS Document Class. Upon signing, the C & P Exams are retained in AMIE and stored in TIU.

Further information on this can be found in the *AMIE Regional Office User Manual*.

National Titles

ADDENDUM
ADVANCE DIRECTIVE
ADVERSE REACTION/ALLERGY
ANESTHESIA REPORT
ASI-ADDICTION SEVERITY INDEX
CLINICAL WARNING
DISCLOSURE OF ADVERSE EVENT NOTE
COMPUTER DOWNTIME
CRISIS NOTE

DISCHARGE SUMMARY
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
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
PATIENT RECORD FLAG CATEGORY I – URGENT ADDRESS AS FEMALE
PATIENT RECORD FLAG CATEGORY I – MISSING PATIENT
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

☞ **Note:** **The HISTORICAL titles in document class HISTORICAL PROCEDURES were created by patch TIU*1*182 with status INACTIVE. The status of these titles MUST REMAIN inactive in order to prevent users from entering notes on these titles. All notes on these titles are auto-generated by the Medicine Conversion patch MD*1*5.**

☞ **Note:** **The TIU document classes, user class, category I note title, and category I business rule installed by patches TIU*1*165 and USR*1*24 must not be modified in any way or Patient Record Flags may not work properly.**

☞ **Note:** PATIENT RECORD FLAG CATEGORY I - HIGH RISK FOR SUICIDE was created for the High Risk Mental Health Patient – Reminder and Flag. This new title is used with the new High Risk for Suicide PRF

☞ **Note:** PATIENT RECORD FLAG CATEGORY I – URGENT ADDRESS AS FEMALE was created for the High Risk Mental Health Patient – Reminder and Flag Increment 6. This new title is used with the new URGENT ADDRESS AS FEMALE Suicide PRF, mandated by the Undersecretary of Health's legal solution.

☞ **Note:** PATIENT RECORD FLAG CATEGORY I – MISSING PATIENT was created for missing and wandering patients. This new title is used with the Missing Patient, PRF.

Patch TIU*1*159 implements the War-Related Illness and Injury Study Centers (WRIISC pronounced "risk") note title and template. The associated note title is WRIISC ASSESSMENT NOTE. This note is described in the memo *Description of WRIISC Programs and Associated Referral Process* accompanying the patch. To get it to work properly a Clinical Coordinator authorized to edit shared templates must perform the following steps from the CPRS GUI:

9. Go to the Notes tab.
10. From the Options menu, select Edit Shared Templates.
11. In the Shared Templates pane highlight document Titles.
12. From the Tools menu select Import Template.
13. Select WRIISCASSESSMENT.TXML and press Open.
14. Highlight the WRIISC ASSESSMENT template.
15. In the Associated Title list box, select WRIISC ASSESSMENT NOTE.
16. Press OK.

Once these steps have been performed, the template and note title will work for all CPRS users. Further information about setting up shared templates is available in the *Computerized Patient Record System (CPRS) User Guide* in the section on Creating Personal Document Templates.

Patch TIU*1*261 permits an authorized user to rescind an Advance Directive document by changing the title to RESCINDED ADVANCE DIRECTIVE.

Patch TIU*1*261 supports Imaging patch MAG*3.0*121, which provides the ability to watermark images "RESCINDED".

☞ **Note: EXACT TITLE NAMES are REQUIRED**

The title of the Advance Directive to be rescinded must be ADVANCE DIRECTIVE
The title it is changed to when it is being rescinded must be RESCINDED ADVANCE DIRECTIVE

Both LOCAL and National Standard titles must be as above. Variations on either title will cause the Change Title action to fail to watermark images as rescinded.
These exact titles are required by policy. See the VHA HANDBOOK 1004.02 section on Advance Directives:
http://vaww1.va.gov/vhapublications/ViewPublication.asp?pub_ID=2042

Chapter 15: TIU Alert Tools

Starting with patch TIU*1*158, there is a new option in the TIU Management Menu that allows refresh and manipulation of TIU alerts, especially with respect to signatures. These tools are designed to assist CACs, and other users with TIU management responsibilities, to help control the backlog of unsigned notes. It accomplishes this by providing flexible control over alert generation.

The following actions are available:

BROWSE DOCUMENT—If authorized, presents a read only view of a selected document.

CHANGE VIEW—Allows entry new search criteria.

COMBINATION ALERTS—Allows the sending of new alerts for single or multiple documents to the expected signers (AUTHOR/ DICTATOR, EXPECTED COSIGNER/ATTENDING PHYSICIAN, and ADDITIONAL SIGNER(S)) and one or more third parties. RESEND rules outlined below apply for a document's expected signers.

DELETE ALERTS—Allows deletion of all the alerts for a single or multiple documents.

DETAILED DISPLAY—If authorized, allows the viewing of document details.

EDIT DOCUMENT—If authorized, allows the editing a selected TIU document.

IDENTIFY SIGNERS—If authorized, allows the editing of the expected signers of a TIU document and removal of additional signers.

RESEND ALERTS—Allows the regeneration of alerts for a single document or multiple documents; all alerts associated with each document are deleted before being resent. Previously sent 3rd Party Alerts would be deleted and need to be resent. Alerts are sent appropriate to the document's status and only to expected signers as follows:

The Author/Dictator & Expected Co-signer/Attending—only receive alerts if they have not signed.

Additional Signer(s)—will only receive alerts if the document has been signed.

THIRD PARTY ALERTS—Allows the sending of new alerts for a single document or multiple documents to one or more third parties regardless of the document's status.

Business rules are checked and adhered to, so while anyone who has access to this option can use it, you may be blocked from certain functions such as viewing unsigned notes.

In the following example, TUI Alert Tools are accessed through the TIU Maintenance Menu [TIU IRM MAINTENANCE MENU], a year of notes are checked for Dr. Snow, then alerts are resent for an unsigned note:

```
Select TIU Maintenance Menu Option: ?

   1      TIU Parameters Menu ...
   2      Document Definitions (Manager) ...
   3      User Class Management ...
   4      TIU Template Mgmt Functions ...
   5      TIU Alert Tools
   6      Active Title Cleanup Report [TIU ACTIVE TITLE CLEANUP]
   7      TIUHL7 Message Manager
   8      Title Mapping Utilities ...
   9      Text Event Edit
   10     Unauthorized Abbreviations (Enter/Edit)
   11     List Unauthorized Abbreviations
   13     Contingency Downtime Bookmark Progress Notes

Enter ?? for more options, ??? for brief descriptions, ?OPTION for help text.

Select TIU Maintenance Menu Option: 5  TIU Alert Tools

Select DOCUMENT STATUS: UNSIGNED// ?

 1    undictated           5    unsigned             9    purged
 2    untranscribed        6    uncosigned           10   deleted
 3    unreleased           7    completed            11   retracted
 4    unverified           8    amended

 Enter selection(s) by typing the name(s), number(s), or abbreviation(s).

 Select STATUS: UNSIGNED// ALL   undictated  untranscribed  unreleased
                                 unverified  unsigned  uncosigned  completed
                                 amended  purged  deleted  retracted

 Select SEARCH CATEGORY: AUTHOR// ?

 1    Author               3    Expected Cosigner    5    Additional Signer
 2    Dictator             4    Attending Physician

 Enter selection(s) by typing the name(s), number(s), or abbreviation(s).

 Select SEARCH CATEGORY: AUTHOR// ALL   Author  Dictator  Expected Cosigner
                                        Attending Physician
                                        Additional Signer
 Select NEW PERSON: TIUPROVIDER,SEVEN       CRS          PHYSICIAN
 Start Reference Date [Time]: T-7//t-365  (JUN 04, 2002)
Ending Reference Date [Time]: Jun 04, 2003// <Enter> (JUN 04, 2003)
Searching for the documents.... TIU Alert Tools               Jun 04,
2003@14:01:48          Page:    1 of    1.
```

```
Clinical Documents                                                  5 Documents
   by (ADD'L SIGNER,AUTHOR,DICTATOR,EXPECTED COSIGNER,ATTENDING PHYSICIAN)
                for (TIUPROVIDER,SEVEN) from 06/04/02 to 06/04/03
     Patient                Document                        Ref Date  Status
.
1    TIUPATIENT,FO (T8832) OT ASSESSMENT NOTE               09/09/02  completed
2    TIUPATIENT,FO (T8832) Cardiology Note                  09/23/02  unsigned
3    TIUPATIENT,FI (T0150) ONE-PER-VISIT NOTE               12/18/02  completed
4    TIUPATIENT,SI (T3323) Discharge Summary                02/27/03  unreleased
5    TIUPATIENT,SE (T6351) H&P GENERAL MEDICINE             02/27/03  completed

          Enter ?? for more actions
>>>
     Browse                                  Edit
     Change View                             Identify Signers
     Combo Alert(s)                          Resend Alert(s)
     Delete Alert(s)                         Third Party Alert(s)
     Detailed Display
Select Action:Quit// R   Resend Alert(s)
```

```
Select Document(s): (1-5) 2
Resend Alerts for the following documents:

2    TIUPATIENT,FOUR (T8832) Cardiology Note                09/23/02  unsigned

     Send these alerts as OVERDUE? NO// Y  YES

     Is this correct? YES// <Enter>

     Sending Alerts....

     Finished.

     Enter RETURN to continue or '^' to exit:
```

Alert Tools FAQ

Q. My search results by an ADDITIONAL SIGNER and UNSIGNED documents aren't showing any matches but I know they exist. What's wrong?

A. Additional signers are usually added AFTER a document has been signed or co-signed. Add UNCOSIGNED and COMPLETED documents to your search criteria.

Q. I want to regenerate alerts for an UNCOSIGNED document, but I don't want the AUTHOR to get alerted. Should I just send a 3rd Party Alert to the EXPECTED COSIGNER?

A. You could, but if you select RESEND ALERTS, the regenerated alerts are context sensitive and sent only to individuals that have NOT signed the document; in this case, only the EXPECTED COSIGNER and any ADDITIONAL SIGNERS that have not signed will be alerted.

Q. I selected RESEND ALERTS and my 3rd Party Alerts disappeared! What happened?

A. A document's alerts are deleted before being regenerated so that they remain accurate regarding the document's status; 3rd Party Alerts are deleted as well and must be resent since they are not officially part of the document's record and cannot be automatically regenerated.

Q. I changed the ADDITIONAL SIGNER for a document using IDENTIFY SIGNERS, but it didn't update in the display. Why not?

A. Because there can be more than one ADDITIONAL SIGNER, unless the ADDITIONAL SIGNER matches the search criteria, it won't be displayed.

Q. I added an ADDITIONAL SIGNER for a document using IDENTIFY SIGNERS, but it didn't update in the display. Why not?

A. Because there can be more than one ADDITIONAL SIGNER, unless the ADDITIONAL SIGNER matches the search criteria, it won't be displayed.

Q. The AUTHOR of several documents (requiring co-signature) is gone and I want to regenerate the alerts for the EXPECTED COSIGNER so they can SIGN and COSIGN these UNSIGNED documents. Should I use RESEND?

A. It depends. Default alert behavior would be to send the alert AFTER the author has signed and in this case, the EXPECTED COSIGNER would have never received the alerts initially or even after using RESEND.

However, with TIU*1*151, a new document parameter was added that could be set so that the EXPECTED COSIGNER could receive the alert IMMEDIATELY; even if the AUTHOR has not signed.

This parameter is shown below:

```
------
SEND COSIGNATURE ALERT: After Author has SIGNED// ?
    Specify when the alert for cosignature should be sent
    Choose from:
      0        After Author has SIGNED
      1        Immediately
------
```

If you have NOT specifically set this parameter or have it set to "After Author has SIGNED", you'll need to use a 3rd Party Alert to the EXPECTED COSIGNER or change the parameter's setting to "Immediately" before using RESEND.

If you HAVE set this parameter to "Immediately", you can use RESEND.

Q. I used RESEND ALERT and the EXPECTED COSIGNER didn't get alerted! Why?

A. Two possible reasons. The first, please see the question just before this one.

The second, the EXPECTED COSIGNER may be inactivated or DIUSER'd. Currently, kernel does not alert these individuals who are inactive or terminated.

TIU*1.0*158 will inform the user that an individual entered as a 3rd Party Alert recipient is inactive/DIUSER'd. However, it does not verify every individual attached to a document since this would be too system intensive and time consuming on a batch send of alerts.

Q. I used RESEND ALERT and no alerts were resent to anyone, even though it appeared that alerts were being re-generated. Why?

A. While TIU may create and attempt to regenerate the alerts (this will always happen if TIU Alerts attempts to fulfill a user's request), it has no way of actually confirming whether or not kernel will send an alert to an individual associated with a document (See #7).

The important rule to remember is that kernel will not actually send alerts to inactivated or terminated users.

Additionally, TIU sends alerts based on the current status of the document and whether or not the recipient still needs to sign the document. If an individual has already signed, they should not receive an alert. However, if a user associated with a document has already signed and they are sent a 3RD PARTY ALERT, they will receive another alert.

Q. I sent the AUTHOR (who has already signed) a 3RD PARTY ALERT and now they can't process it! What should I do?

Just RESEND ALERTs for that document. All alerts will be deleted and regenerated; 3RD PARTY ALERTS that had been manually generated will have to be re-entered (See #3).

Chapter 16: HL7 Generic Interface

The purpose of the HL7 Generic Interface is to create a Health Level Seven (HL7) line to Text Integration Utilities (TIU) that will support the upload of a wide-range of textual documents from Commercial-Off-the-Shelf (COTS) applications in use now and in the future at Veteran Administration (VA) Medical Centers. Projects that may work with the interface are the Remote Order Entry System (ROES) software used by the Denver Distribution Center (DDC), the Precision Data Solutions Transcription Service software, and the VA Home Telehealth software.

The project creates a single COTS/application interface specification to allow textual documents to be uploaded and displayed in CPRS. This allows clinicians to view information from the COTS package without leaving the patient's electronic medical record.

Generic HL7 will not work with external software unless it is specifically set up to do so. The details of how to do this are contained in the *Text Integration Utilities (TIU) Generic HL7 Handbook.* This handbook describes the HL7 fields required for each document types and gives additional information on system features and vendor guidelines. To retrieve this document go to the VistA Document Library at (http://www.va.gov/vdl/), then click on CPRS: Text Integration Utility (TIU).

Message Manager

The only place where the Generic HL7 Interface is visible is in the TIU Maintenance Menu. The TIUHL7 Message Manager has been added to this menu to assist medical center in setting up the interface.

If an error message is returned, it will be contained in clear text explaining the error.

The following is an example of using the HL7 message Manager to check an error message:

```
Select TIU Maintenance Menu Option: ?

   1      TIU Parameters Menu ...
   2      Document Definitions (Manager) ...
   3      User Class Management ...
   4      TIU Template Mgmt Functions ...
   5      TIU Alert Tools
   6      Active Title Cleanup Report
   7      TIUHL7 Message Manager
   8      Title Mapping Utilities ...
   9      Text Event Edit
   10     Unauthorized Abbreviations (Enter/Edit)
   11     List Unauthorized Abbreviations
   13     Contingency Downtime Bookmark Progress Notes

 Select TIU Maintenance Menu Option: 7  TIUHL7 Message Manager

Searching for messages.....

                                            Refresh Message List
```

```
TIUHL7 Message Manager        Aug 04, 2006@15:47:19          Page:    1 of    1
                            TIUHL7 Received Messages

                                          Receiving     Sending        Message
    Message ID       Date/Time Processed  Application   Application    Status
1   99953044         Jul 31, 2006@11:24:53 TIUHL7       HTAPPL         Rejected
2   99953046         Jul 31, 2006@11:27:14 TIUHL7       HTAPPL         Rejected
3   99953048         Jul 31, 2006@11:28:44 TIUHL7       HTAPPL         Accepted
4   200T40029200608 Aug 02, 2006@11:35:11 TIUHL7       HTAPPL         Accepted
5   200T40003200608 Aug 02, 2006@14:28:14 TIUHL7       HTAPPL         Accepted
6   99953050         Aug 02, 2006@15:45:41 TIUHL7       HTAPPL         Accepted

          Enter ?? for more actions

     View Message                            Delete Message(s)
                                             Refresh Message List
Select Action:  Quit// 2
```

Note Error message.

```
 TIUHL7 Message Viewer        Aug 04, 2006@15:47:22          Page:    1 of    1
MSA^AR^99953046^TIUHL7^HTAPPL
ERR^PV1^44^^0000.00~Could not find a visit for Jul 31, 2006@16:21.

MSH^~|\&^HTAPPL^00T5~VAWW.VITERION.CC.MED.VA.GOV~DNS^TIUHL7^689~ANONYMOUS.MED.V
A.GOV~DNS^20060731092708-0700^^MDM~T02~MDM_T02^99953046^T^2.4^^^AL^AL^USA
EVN^T02
PID^^^~~~USVHA~NI|~~~USSSA~SS|290~~~USVHA~PI||^^TIUPATIENT~FIVE
PV1^^^GI WALK-IN^^^^^^^^^^^^NEW^^^^^^^^^^^^^^^^^^^^^^^^^^20040626011903
TXA^^^TEXT^200607311621^^^^^33271~TIUPROVIDER~THREE~~~~~USVHA^~^^~USVHA^^^^PROG
RE
SS NOTE^^^^^^~~~~~~~~~~~~~~~~~~~~~~~~~~~~~
OBX^1^TX^SUBJECT~This is the subject ^^NEW TEST TODAY   NEW Location  NEW TEST
n
ew REF date for GI WALK-IN   .

          Enter ?? for more actions

     Delete Message                          Reprocess Message

Select Item(s): Quit//
```

The messages displayed by the Message Manager are from the XTEMP Global, which is set to delete messages after seven (7) days. In other words, VistA discards HL7 messages that are more than seven (7) days old.

Chapter 17: Setting Up TIU Text Events

Patch TIU*1*296 modifies the TIU application to send a TIU alert to the appropriate service provider(s) immediately after a staff member screens a patient and signs the associated note. The service provider(s) will be alerted prior to the note being co-signed by the licensed clinician responsible for reviewing and approving the note. Prior to this modification, TIU alerts were not sent to all service providers. This resulted in missed opportunities to provide needed services for patients while the patients are on site, and forced staff to take time to contact patients and reschedule needed services.

A new Text Event Edit [TIU TEXT EVENT EDIT] option is available in the TIU Maintenance menu.

```
Select OPTION NAME: TIU MAINTENANCE MENU  TIU IRM MAINTENANCE MENU     TIU
Maintenance Menu


   1      TIU Parameters Menu ...
   2      Document Definitions (Manager) ...
   3      User Class Management ...
   4      TIU Template Mgmt Functions ...
   5      TIU Alert Tools
   6      Active Title Cleanup Report
   7      TIUHL7 Message Manager
   8      Title Mapping Utilities ...
   9      Text Event Edit
   10     Unauthorized Abbreviations (Enter/Edit)
   11     List Unauthorized Abbreviations
   13     Contingency Downtime Bookmark Progress Notes
```

Select the **Text Event Edit** menu option to set up a “text event” in the TIU TEXT EVENTS file (#8925.71). Complete all fields, including the trigger text to be searched for in a TIU document (progress note, consult note, etc.). If the trigger text is found in the TIU document, then an alert is sent to the team(s) specified in the file.

The following example shows “ab color blindness” as the trigger text [TEXT TO SEARCH]. The alert message [ALERT MESSAGE] *patient has ab color blindness* will be sent to the specified service provider [CPRS TEAM]. An alert [SIGNER ALERT MESSAGE] is also sent to the individual who signed the note.

```
Select TIU Maintenance Menu <TEST ACCOUNT> Option: txt Text Event Edit

Select TIU TEXT EVENTS NAME: test 5
 Are you adding 'test 5' as a new TIU TEXT EVENTS (the 8TH)? No// yes (Yes)
NAME: test 5//
STATUS: ?
   Enter a 0 for inactive or a 1 for active
   Choose from:
    0    INACTIVE
    1    ACTIVE
STATUS: 1 ACTIVE
TEXT TO SEARCH: ?
   Answer must be 3-200 characters in length.
TEXT TO SEARCH: ab color blindness
ALERT MESSAGE: patient has ab color blindness
SIGNER ALERT MESSAGE: ?
   Answer must be 1-6 characters in length.
```

```
SIGNER ALERT MESSAGE: ab
Select CPRS TEAM: TEAM TEST
     ...OK? Yes// YES (Yes)

 CPRS TEAM: TEAM TEST//
Select CPRS TEAM:
Select VISIT LOCATION:
VISIT LOCATION STRING:

Select TIU TEXT EVENTS NAME:
```

☞ **Note:** Any TIU TIU document that is to be used to trigger these alerts must have the MUMPS code 'D TASK^TIUTIUS($S($G(DAORIG):DAORIG,1:DA))' entered in the POST-SIGNATURE CODE field (#4.9) in the TIU DOCUMENT DEFINITION file (#8925.1). This field can only be edited by IRM personnel.

```
Select OPTION: ENTER OR EDIT FILE ENTRIES



INPUT TO WHAT FILE: TIU DOCUMENT DEFINITION//
EDIT WHICH FIELD: ALL// 4.9 POST-SIGNATURE CODE
THEN EDIT FIELD:


Select TIU DOCUMENT DEFINITION NAME:  NURSING PROGRESS NOTE   TITLE
   Std Title: NURSING NOTE
POST-SIGNATURE CODE: D TASK^TIUTIUS($S($G(DAORIG):DAORIG,1:DA)) //
```

☞ **Note:** TIU*1*297 modified the [TIU TEXT EVENT EDIT] option to allow users who don't have the at-sign (@)-Programmer access to add/update/delete entries to the TIU TEXT EVENTS (#8925.71) file.

Chapter 18: Unauthorized Abbreviations

A newly created “TIU UNAUTHORIZED ABBREVIATION” File (#8927.9) contains a standard set of fourteen unauthorized abbreviations from The Joint Commission. Staff may add additional abbreviation(s) to match any unapproved abbreviations they have identified in local policy.

The use of this functionality is optional. Work with your Health Information Management (HIM), the facility Chief, and Chief of Staff to determine whether this functionality should be turned on by setting STATUS to ACTIVE for each individual unauthorized abbreviation.

A newly created menu option, "Unauthorized Abbreviations (Enter/Edit)" [TIU ABBV ENTER EDIT], maintains unauthorized abbreviation data in the "TIU UNAUTHORIZED ABBREVIATION" File (#8927.9).

Another newly created menu option, "List Unauthorized Abbreviations" [TIU ABBV LIST], lists all the abbreviations in file (#8927.9). These two new options are located under the existing "TIU Maintenance Menu" [TIU IRM MAINTENANCE MENU].

The application is deployed with STATUS field set to "Inactive." It is turned on by updating at least one abbreviation to a status of "Active." If the STATUS of an unauthorized abbreviation is set to ACTIVE in the “TIU Unauthorized Abbreviation” File (#8927.9), any use of the abbreviation in a CPRS progress NOTE will be listed in the "CPRS - Insufficient Authorization" box. The note cannot be signed unless the CPRS Note Editor removes or spells out each unauthorized abbreviation that is listed in the “CPRS Insufficient Authorization” box.

Requirements for the "Unauthorized Abbreviations (Enter/Edit)" option are:

1) Fourteen unauthorized abbreviations from The Joint Commission are released with “CLASS” (#.02) field set to LOCAL and “STATUS” (#.04) field set to INACTIVE in the "TIU UNAUTHORIZED ABBREVIATION" File (#8927.9). These are: "IU, MgSO4, MS, MSO4, QD, Q.D., qd, q.d., QOD, Q.O.D., qod, q.o.d., U, u."

2) NATIONAL unauthorized abbreviation(s) cannot be added or modified locally. No entries with a CLASS (#02) field set to NATIONAL were released with patch TIU*1.0*297.

3) No unauthorized abbreviation entry can be deleted once it is created.

4) The name of the unauthorized abbreviation in field (#.01) cannot be changed or deleted once it is created, but STATUS (#.04) field can be changed to either ACTIVE or INACTIVE.

5) The name of unauthorized abbreviations in field (#.01) cannot include the following punctuations: `|^&~\:;,!?`

6) The name of unauthorized abbreviations in field (#.01) is not case sensitive.

7) The requirement for case sensitivity check for an unauthorized abbreviation name is determined by the "ABBREVIATION EXACT MATCH" (#.03) field.

8) When a new unauthorized abbreviation is created, the ABBREVIATION EXACT MATCH field (#.03) defaults to "YES." Local staff can change the value in this field.

9) The CLASS (#.02), ABBREVIATION EXACT MATCH (#.03), STATUS (#.04), and NOTE (#.05) fields are audited using FileMan.

10) Local staff cannot change any NATIONAL unauthorized abbreviation. However, they can add/modify/activate/inactivate any LOCAL unauthorized abbreviation in field (#.03) and field (#.05).

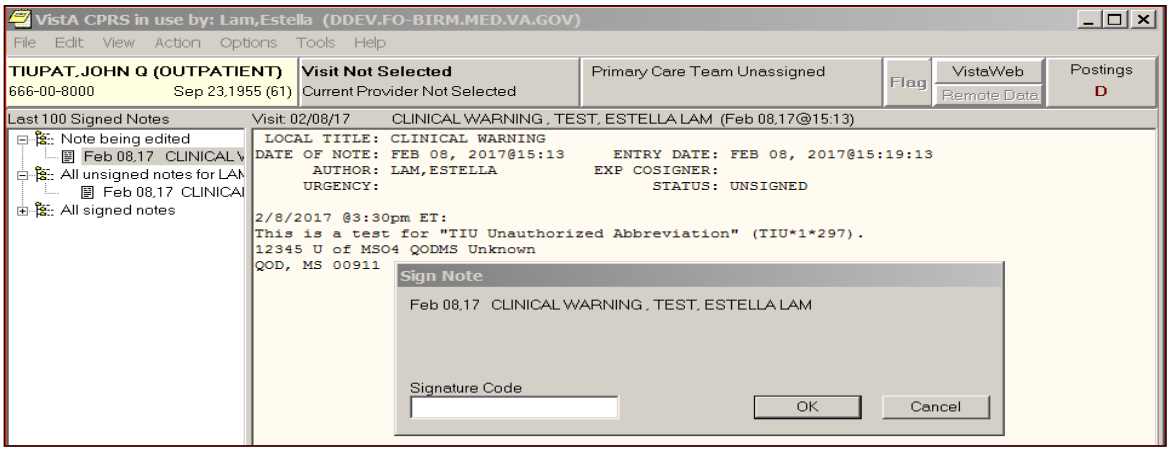
11) The NOTE (#.05) field in the LOCAL Unauthorized Abbreviation option can be edited locally regardless of STATUS (#.04) field.

12) The LOCAL Unauthorized Abbreviation option can be managed by local staff to serve any general medical and business practice need. Local staff can inactivate any local abbreviation in STATUS (#.04) field when an unauthorized abbreviation is no longer needed.

CPRS – Progress Note / Sign Note Now

Since this patch is released with STATUS Field in the TIU UNAUTHORIZED ABBREVIATION File (#8927.9) set to Inactive, any use of an unauthorized abbreviation in a CPRS progress NOTE will not be listed when the Progress Note editor clicks "Sign Note Now," unless the STATUS of the abbreviation is set to ACTIVE.

Example of no unauthorized abbreviation being noted at CPRS / Sign Note Now:



Example of activating the STATUS field for abbreviation "QOD":

```
Select OPTION NAME: TIU MAINTENANCE MENU  TIU IRM MAINTENANCE MENU     TIU
Maintenance Menu
   10     Unauthorized Abbreviations (Enter/Edit)
   11     List Unauthorized Abbreviations
Select TIU Maintenance Menu <TEST ACCOUNT> Option: 10  Unauthorized
Abbreviations (Enter/Edit)

                    Enter/Edit Unauthorized Abbreviation(s)
                    ========================================

Enter Unauthorized Abbreviation: QOD

The abbreviation QOD already exists.

1) Q.O.D. :   EXACT-MATCH=YES   STATUS=INACTIVE   CLASS=LOCAL
2) QOD    :   EXACT-MATCH=YES   STATUS=INACTIVE   CLASS=LOCAL
3) q.o.d. :   EXACT-MATCH=YES   STATUS=INACTIVE   CLASS=LOCAL
```

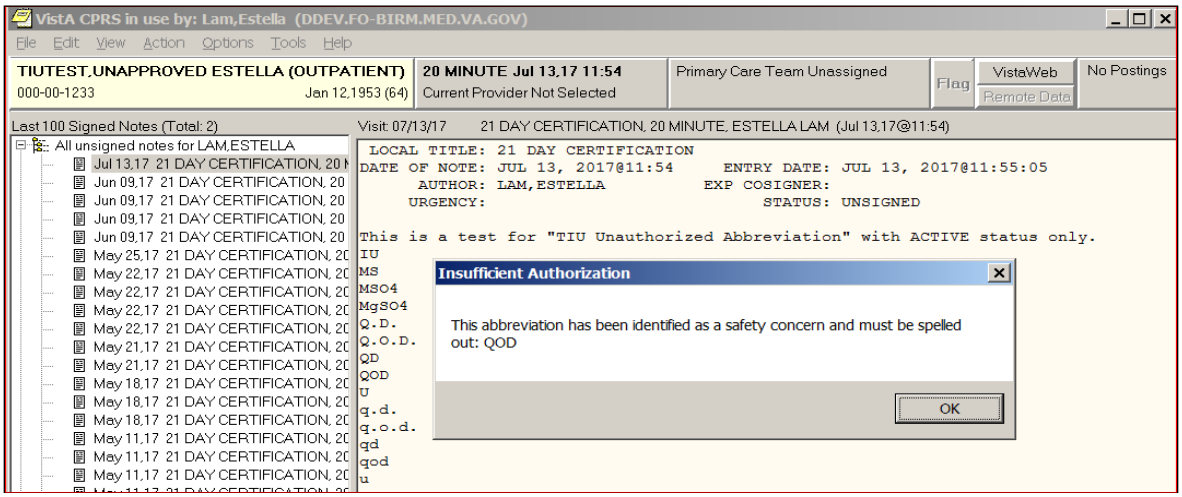
```
4) qod     :   EXACT-MATCH=YES   STATUS=INACTIVE   CLASS=LOCAL

For EDIT Unauthorized Abbreviation, Select number:  (1-4): 2
Unauthorized Abbreviation: QOD
ABBREVIATION EXACT MATCH: YES//
STATUS: INACTIVE// AC  ACTIVE
NOTE:

STATUS for this Unauthorized Abbreviation 'QOD' is ACTIVE now.

Enter <RETURN> to continue or '^' to exit: ^
```

Example of checking the Audit Log after activating STATUS for abbreviation "QOD":

```
Select OPTION: 5  INQUIRE TO FILE ENTRIES
OUTPUT FROM WHAT FILE: TIU UNAUTHORIZED ABBREVIATION//

Select TIU UNAUTHORIZED ABBREVIATION: QOD      LOCAL    YES    ACTIVE
STANDARD CAPTIONED OUTPUT? Yes//   (Yes)
Include COMPUTED fields:  (N/Y/R/B): NO//  - No record number (IEN), no
Computed Fields
DISPLAY AUDIT TRAIL? No// YES

UNAUTHORIZED ABBREVIATION: QOD          CLASS: LOCAL
  ABBREVIATION EXACT MATCH: YES
  STATUS: ACTIVE
    Changed from "INACTIVE" on Feb 09, 2017@13:27:39 by User #11992
                                                (TIU ABBV ENTER EDIT Option)
```

Example of STATUS change of "QOD" to active in the Unauthorized Abbreviations File (#8927.9):

ABBREVIATION	CLASS	ABBV Exact Match	STATUS
IU	LOCAL	YES	INACTIVE
MS	LOCAL	YES	INACTIVE
MSO4	LOCAL	YES	INACTIVE
MgSO4	LOCAL	YES	INACTIVE
Q.D.	LOCAL	YES	INACTIVE
Q.O.D.	LOCAL	YES	INACTIVE
QD	LOCAL	YES	INACTIVE
QOD	LOCAL	YES	ACTIVE
U	LOCAL	YES	INACTIVE
q.d.	LOCAL	YES	INACTIVE
q.o.d.	LOCAL	YES	INACTIVE
qd	LOCAL	YES	INACTIVE
qod	LOCAL	YES	INACTIVE
u	LOCAL	YES	INACTIVE



Chapter 19: Setting up Contingency Downtime Bookmark Progress Notes

The Contingency Downtime Bookmark Progress Notes option in the TIU Maintenance Menu allows sites to add a progress note to the electronic record of all inpatients and outpatients who were seen during computer system downtime. The progress note states that a computer outage occurred, and alerts medical staff to search the patient's paper records for non-electronic documentation created during the outage.

To set up a contingency downtime bookmark progress note:

1. Select the Contingency Downtime Bookmark Progress Notes [TIU DOWNTIME BOOKMARK PN] option from the TIU Maintenance Menu [TIU IRM MAINTENANCE MENU]. The “Bookmark Progress Note after a Downtime” screen displays.

```
                    Bookmark Progress Note after a Downtime

     This is the utility to add a bookmark to the progress note of
     each patient's electronic record after a VistA downtime.

     You will be asked a few questions, and then the utility
     will place the note on the patient's record.

Select the PROGRESS NOTE TITLE to be used for filing contingency downtime
bookmark progress notes.  The selected title must be mapped to the
VHA ENTERPRISE STANDARD TITLE of COMPUTER DOWNTIME.

Select TIU DOCUMENT DEFINITION NAME://
```

2. Enter a TIU DOCUMENT DEFINITION NAME. This must be a locally-approved title that is mapped to the enterprise-standard COMPUTER DOWNTIME title.

3. Enter "S" or "U" to define whether the downtime was Scheduled or Unscheduled.

```
Was the downtime (S)cheduled or (U)nscheduled? UNSCHEDULED

What was the starting time of the outage? T-2@2200  (NOV 07, 2017@22:00)

What was the ending time of the outage? T-2@23:47  (NOV 07, 2017@23:47)
Who will be the AUTHOR of the note? TIUUSER,ONE//        OT          DEVELOP
ER

What shall the Date/Time of the Note be? NOW// T-2@23:54  (NOV 07, 2017@23:54)

     Select one of the following:

          A         All Outpatient Clinics
          S         Selected Outpatient Clinics
          N         No Outpatient Clinics

In addition to Inpatients,
File Notes for Outpatient Clinics? [A/S/N]: All Clinics
   In addition to yourself, who shall receive email notification
```

```
   of this event?
Select NEW PERSON NAME: EPIP,USER       UE     118     ADMIN ASSISTANT
Select another NEW PERSON NAME:
```

4. Enter the starting time of the outage. For example, enter "T@[24-hour time]" to set the date as today. Type "??" and then press Enter to see all valid time formats.

5. Enter the ending time of the outage.

6. Enter the Author of the note (using "lastname,firstname" format). The default entry is the logged-in user.

7. Enter the Date/Time of the note; the default is NOW. This entry determines where the note appears in a sorted list of all progress notes.

8. Specify whether All (A), Selected (S), or No (N) outpatient clinics were affected by the outage. Choosing "Selected" opens the HOSPITAL LOCATION file. Enter the desired clinics to include. Press Enter at the prompt to continue to the next step.

9. At the "Select NEW PERSON NAME:" prompt, enter the name (in "lastname,firstname" format) of any other user(s) that you wish to receive a notification of the downtime event. To enter multiple names, press Enter after each entry. The notification will list the patients who have had this downtime bookmark progress note appended to their record.

10. At multi-divisional sites, the "Select division: ALL//" prompt appears. Enter the division(s) affected by the outage. You can use MEDICAL CENTER DIVISION NUM, NAME, FACILITY NUMBER, or TREATING SPECIALTY to designate the division. Type "?" to display a numbered list of available divisions.

```
   Select DIVISION(s) to use when the task selects inpatients to file notes...
Select division: ALL//
```

11. The system creates a progress note containing standard text and generates a preview of the note. Enter “Yes” at the "Do you wish to edit the text?" prompt if you wish to edit the progress note text. A text editor will open, from which you can edit the note text. Press CTRL+E to exit the text editor. The "Do you wish to edit the text?" prompt displays again; enter "No" to continue.

    ☞ **NOTE:** The use of this functionality is optional; therefore, the boilerplate text will not initially be stored in the document definition until the first use of the option to implement the functionality. After the first use, the boilerplate text will be stored and can be edited via the usual TIU document definition edit options.

```
Date/Time of Note:  Nov 07, 2017@23:54
Creating TIU note text, you will have an opportunity to edit the text
The progress note will be generated with the following text:

-------- Potential Interruption in Electronic Medical Record Keeping   --------
-
```

```
An unscheduled interruption in access to the electronic medical records
occurred for 1 hour and 47 minutes between:
     Tuesday, Nov 07, 2017 22:00 and Tuesday, Nov 07, 2017 23:47

Before, during and after this period of downtime, medical record
documentation may have been collected on paper.  Documents such as
progress notes, orders, results, medication administration records
(MAR) and procedure reports may have been collected, but may not be
reflected in the electronic record or they may be scanned into the
record at a later date.

Do you wish to edit the text? No//
```

12. The downtime note will be signed as an Administrative Closure, so the Administrative Closure signature block is displayed. At the "Enter your Current Signature Code" prompt, enter your code to sign and close the note. If you do not enter the signature within 60 seconds, you must restart entry of the note.

```
The note(s) will have the following administrative closure (not a signature):
               Administrative Closure: 4/11/16
                                   by: TIUUSER, ONE, Developer
                                       Developer

   You will now be asked for an electronic signature to begin this process.
   This is a security measure to start the background task, but it is not used
   to sign the notes themselves.  If you are not the AUTHOR, your name will
   show for the administrative closure, but not as the author of the note.

You have 60 seconds/try and a maximum of 3 attempts to enter a proper code.

Enter your Current Signature Code:    SIGNATURE VERIFIED
```

13. At the "Queue the report to Taskman?" prompt, enter “No” to view the report on your screen now or enter “Yes” to send the report to Taskman to view later (the default is "Yes"). The report lists the patients impacted by the downtime, grouped by inpatients, discharged patients, and outpatient clinics, and indicates whether the downtime progress note was successfully appended to each patient's record. Regardless of your response, an email message containing the patient list and progress note status is sent to the recipients designated in step 9.

    ☞ **NOTE:** You might want to queue the report since the generation of a large report can tie up your computer for a long period of time.

14. To view the Contingency Downtime Bookmark Progress Notes, look at the Progress Notes in a patient's record in VistA or the CPRS GUI.

    ☞ **NOTE:** Only one progress note will be filed for any patient with multiple appointments (whether inpatient, outpatient, or both) at different clinics during the outage period.

Chapter 20: Helpful Hints/Troubleshooting

FAQs (Frequently Asked Questions)

+ NOTE: *Most of these questions were received from TIU/ASU test sites. Thanks to everyone who contributed!*

Q: We just entered all of our Providers into the Person Class file (when the Ambulatory Care Reporting Project came out). Do we have to do this all over again for the User Class file in ASU? Why can't TIU and ASU just use the Person Class?

A: The Provider Class in ASU fulfills a different function, and therefore its database design is a different kind of hierarchy.

A patch to ASU in the near future will help assure that your efforts in populating the Person Class Membership at your site are not lost, or repeated. We are developing a mapping between a subset of the exported User Classes and the Person Class File (i.e., for each Person Class, there will be a corresponding User Class), which will help you "autopopulate" User Class Membership, assure that future changes to an individual's Person Class Membership are reflected automatically in his User Class Membership, and allow resolution of privileges for inter-facility access to data. We recommend that you initially implement TIU and ASU by populating only the most essential User Classes (i.e., Provider; MRT; Chief, MIS; and Transcriptionist), and use the forthcoming patch to assist you in autopopulating more specific User Classes when you have become acquainted with the two products.

Q: We've heard that implementation of TIU is *very* complex and time-consuming. How long *does* is take?

A: TIU implementation *is* complex, but the amount of time it takes to implement has to do with the complexity of the site, how many users, the database and hierarchy size, the level of users, and how dependent the site is on the package (obviously a site that is totally electronic has very different issues than a site where participation is optional. It took a test site with a million+ notes about 2.5 weeks to run their Progress Notes conversion.

FAQs cont'd

Q: Will the Discharge Summary and Progress Notes packages be gone once files are converted to TIU?

A: Discharge Summary V. 1.0 and Progress Notes V. 2.5 should be made "Out of Order" once the conversions have been run, staff trained, and the cut-over started. The data in files 121 and 128 will remain until your site decides to purge these files. We suggest that they remain intact until you're sure the conversions have run correctly and the implementation is going smoothly.

Q: Can TIU be used without converting the Discharge Summaries until much later?

A: TIU *can* be used without converting Discharge Summary, but we strongly recommend that Progress Notes and Discharge Summary both be converted to TIU at the same time, to avoid complications.

+ **NOTE:** You cannot run dual implementations of Discharge Summary; that is, Discharge Summary 1.0 and Discharge Summary through TIU.

Q: Is it possible to load ASU in production and start populating the groups before we load TIU?

A: Yes you can. The Business Rules will not be functional because they are tied to the Document Definition File, but you will be able to populate the Class memberships.

Q: Do we have to delete or sign unsigned notes before we can convert them?

A: No, you don't have to delete or sign the unsigned notes. The conversion will move them as is. However, you probably don't want to be moving old, irrelevant notes from one package to the other. By the way, notes for test patients are NOT moved; they are ignored.

FAQs cont'd

Q: Can we require a Cosignature for a particular note?

A. Yes, you can set Cosignature requirements for document classes or titles. Use the option *Document Parameter Edit*, as described in the *TIU Implementation Guide*. Individual clinicians can designate an expected Cosigner through their *Personal Preferences* option (described on page 64 of this manual).

Q Why do we have to enter Visits and encounter data for Progress Notes? What are "Historical Visits"?

A: Visit data is now required for every outpatient encounter. The vast majority of Progress Notes are already linked to an admission and don't require additional visit information to be added.

A historical visit or encounter is a visit that occurred at some time in the past or at some other location (possibly non-VA). Although these are not used for workload credit, they can be used for setting up the PCE reminder maintenance system, or for other non-workload-related reasons.

NOTE: If month or day aren't known, historical encounters will appear on encounter screens or reports with zeroes for the missing dates; for example, 01/00/95 or 00/00/94.

Q: Are there any terminal settings that we need to be aware of for TIU? On the VT400 setting in Smart Term, the bottom half of the Create Document Definitions screen was not scrolling properly. It was writing over previous lines and got very confusing!

A: Various terminal emulators can affect applications using the List Manager interface. The VT220 and 320 work very well with List Manager.

FAQs cont'd

Q: I have gotten my 600 clinic and ward locations set up, but when I try to print by ward I am only allowed to print to a printer. This is not true under the Print by Hospital Location, where I can print to the screen. What is the difference?

A: Print by Ward is designed to support batch printing. It has the unique ability to determine when the last note was printed so that sites can now capture the infamous "orphan" note which was a problem under Progress Notes 2.5. You might consider adding a message on entry into the option to inform users that they can only print to a printer (not on screen).

Q: Can we share business rules with other sites.

A: It isn't yet known how appropriate or desirable it is to share business rules amongst sites. The package is exported with all the business rules needed to run the standard package. The differences are usually on a medical center basis.

For example, one site wants all users to be able to see all UNSIGNED notes. ON the flip side, another site doesn't want any users to be able to print or view UNCOSIGNED notes until the cosigner has signed. Two very different views. Just because you are in the same VISN doesn't mean you would view these issues in the same light. Another example is the hospital that wants to restrict the entering/viewing/ printing of every Progress Note by TITLE. You can do this, but it is not something we would recommend.

We strongly recommend that you work with the exported business rules for a while before making any changes.

Q: When I read my Discharge Summaries after they come back from the transcriptionist, there are dashes (or other funny characters) sprinkled throughout; what do these mean and what am I supposed to do?

A: These characters (your site determines whether they will be dashes, hyphens or some other character) indicate words or phrases that the transcriptionist was unable to understand. You need to replace these with the intended word or phrase before you'll be able to sign the document.

FAQs cont'd

Q: What is the best editing/word-processing program and how can I learn how to use it?

A: This is partly a matter of personal preference and partly a matter of what's available at your site. Commercial word-processors are available at some sites. The FileMan line editor and Screen Editor are available at all sites. Of these two, most Discharge Summary users prefer the Screen Editor. Your IRM office or ADPACs can help you get set up with the appropriate editor and provide training. The Clinician Quick Reference Card summarizes the FileMan Screen Editor functions.

Q: Why should a site require "release from transcription"?

A: Release from transcription is required to prevent a discharge summary from becoming visible to other users before the person entering the summary has completed the entry. For example, if a transcriptionist needed to leave the terminal, the summary would not be available for anyone else to look at until the summary is "released from transcription."

Q: Why can't we use extended ASCII characters (e.g., °, ≥, Δ, etc.) in our documents to be uploaded?

A: These alternate character sets are not standardized across operating systems and your MUMPS system may not be set up to store them.

FAQs cont'd

Questions about Reports and Upload

Q: At present we put all discharges in the Discharge Summary package. We do allow Spinal Cord Injury to put "interim" summaries in on their patients every 6 months or annually. These reports stack up under the admission date and are all under that one date upon discharge.

When patients are transferred to the Intensive Care Units, they may have a very long/complicated summary to describe the care while in the unit. This should be an interward transfer note, but some of our physicians feel that due to the complexity of care delivered in the unit, this should be included in their Discharge Summary, BUT should have its own date (episode of care). I realize that the interward transfer note is a progress note and very few of our physicians are using progress notes. Our physicians seem to want to have that interward transfer information in these complex cases attached to the Discharge Summary.

My question is will TIU offer us anything different that will satisfy our physicians? I still do not have a mental picture of what it will look like when I go to look up a DCS or PN from the TIU package. Will the documents be intermingled and arranged by date? I am a firm believer in calling things what they are and putting them where they belong when it comes to organizing our electronic record. I hate to see the DSC and interward transfers go together now in the DCS package as it does create a problem when the patient is actually discharged and Incomplete Record Tracking (IRT) thinks he was discharged when the interim was written. Does anyone have any thoughts and can someone show me how it looks when I get TIU and look up documents on a patient?

A: From: TIU Developer

Interim Summaries may be easily defined in TIU, and linked with the corresponding IRT deficiency. Parameters determining their processing requirements, as well as the format of a header for uploading them in mixed batches with Discharge Summaries, Operative Reports, C&P exams, and Progress Notes can all be defined without modifying any code. A patch will be necessary to link them to a specific transfer movement, and to introduce a chart copy of the appropriate Standard Form. This involves a modest programming effort, but will have to be prioritized along with a number of other requests.

We need the help of the user community to try to sort out the relative priorities of each of these tasks, along with your patience, as we work to deliver as many of them as possible, as timely as possible...

A: From a user/coordinator:

A possible solution to the problem of rotating residents is to set up your summary package with the author not needing to sign the summary. This allows the attending physician to sign the report. While the residents may rotate in and out, the attending usually remains the same through the course of the patients stay.

Q. What are sites doing with C&Ps, & op notes?

It is my understanding that C&Ps are a type of discharge summary.

I've tried creating "C&P EXAM" as a title underneath the "DISCHARGE SUMMARY" document class. I get TYPE errors when uploading test documents. The document parameters are defined for the upload fields.

A: *From a user/coordinator:* OP reports and C&P exams reside in their appropriate packages. You can use the TIU upload utility to put them there.

As for OP notes, we have several titles (i.e. Surgeon's Post-OP note).

Do you have TIU in the APPLICATION GROUP field of the Surgery and C&P file?

Our FILE File has this for our Surgery file:

```
NUMBER: 130                    NAME: SURGERY
APPLICATION GROUP: GMRD
APPLICATION GROUP: TIU
```

Q: Can we do batch upload of Progress Notes by vendor through TIU?

A: Yes, you may now batch upload Progress Notes through TIU. See instructions earlier in this manual (under Setting Parameters) or in the TIU Technical Manual.

FAQs cont'd

Q: Currently our Radiology reports are uploaded by the vendor. Can this functionality be built into TIU?

A: You may upload Radiology Reports, but it will be necessary to write a LOOKUP METHOD to store several identifying fields in the Radiology Patient File. The remainder are stored in the Radiology Reports File, along with the Impression and Report Text. (The TIU and Radiology development teams will work together on a lookup method, as development priorities allow.)

Q: We have hundreds of entries in files 128.1 and 128.5 to be cleaned up, because many duplicate discharge summaries were mistakenly uploaded by the transcriptionists of our vendor. How can we clean up these files?

A: You can use the *Individual Patient Document* option on the GMRD MAIN MENU MGR menu, along with VA FileMan, to clean up the Discharge Summary files.

Questions about Document Definition (Classes, Document Classes, Titles, Boilerplate text, Objects)

Q: After the initial document definition hierarchy is built and used, can we modify the hierarchy structure if we feel it is incorrectly built? How flexible is this file?

A: Once entries in the hierarchy are in use, you can't move them around. It would be wise to think your hierarchy through before installation. Don't rush the process. If necessary, create new classes, document classes, and titles (the Copy function streamlines creating new titles), and deactivate the old ones. The users won't be aware of the change if the Print Name is the same, but the .01 Name is new.

FAQs cont'd

Q: Who creates titles and boilerplates at a site?

A: Many test sites restrict the creation of titles and boilerplates as much as possible. At one site, users submit a request for a title or boilerplate. IRMS or the clinical coordinator create the boilerplate and/or title and forward it to the Chairman of the Medical Records Committee for approval. Once approved it is made available for use. Titles are name-spaced by service and the use of titles is restricted by user class. With the ability to search by title, keeping the number of titles small and their use specific can be very useful. For example, when patient medication education is documented on an electronic progress note it can be reviewed easily.

Some of the other sites allow the ADPACs to create boilerplates without going through such a formal review process. Another site restricts this function to the Clinical Coordinator. It was designed so that sites can do whatever they are most comfortable with.

Q: The root Class supplied with the package is CLINICAL DOCUMENTS. Can a peer class level be made using our configuration options? Ex: ADMINISTRATIVE DOCUMENTS

A: You cannot enter a class on the same level as Clinical Documents.
In TIU Version 1.0, entries can only be created under Clinical Documents.

Q: I've changed the technical and print names for a Document Class, but it doesn't seem to have changed when I select documents across patients. What am I doing wrong?

A: When you select documents across patients, you are presented with a three-column menu. The entries in this menu are from the Menu Text subfield of the Item Multiple. To make a consistent change, you must update Menu Text as well as Print Name when you change a Document Definition name.

FAQs cont'd

Q: How can I print when I'm in Document Definitions options?

A: All Document Definitions printing is done using the hidden actions Print Screen and Print List. First, locate the data to be printed so that it shows on the screen and then select either the action PS or PL. To locate the appropriate data use the Edit, Sort, or Create option to list appropriate entries.

To print a list, select the PS or PL action at this point. To print information on a single given entry, first locate the entry in one of the above lists, then select either the Detailed Display action or the Edit Items action. Edit View shows all available information for a given entry. Edit Items shows the items of a given entry. Then select PS or PL. Enter PS for Print Screen to print the current display screen. It *only* prints what is currently visible on the screen, ignoring information that can be moved to horizontally or vertically (pages), so you should move left/right and up/down to the desired information before printing.

Enter PL for Print List to print more than one visible screen of information. Print List prints the entire vertical list of entries and information, including entries and information not currently visible but which are displayed when you move up or down. If the action is selected from the leftmost position of the screen, you're asked whether to print ALL columns or only those columns visible on the current leftmost position of the screen. If you select the action after scrolling to the right, only the currently visible left/right columns are printed.

Q: Is it possible for sites to share objects they create locally?

A: As sites develop their own Objects, they can be shared with other sites through a mailbox entitled TIU OBJECTS in SHOP,ALL (reached via FORUM).

☞**NOTE:** Object routines used from SHOP,ALL are ***not*** supported by the CIO Field Offices (formerly known as ISCs or IRMFOs). Use at your own risk!

☞**NOTE:** TIU-Health Summary objects that are exchanged between sites will always import in with "NO OWNER" (field #.05-PERSONAL OWNER in file #8925.1 TIU DOCUMENT DEFINITION). The system software cannot be made to automatically use the importing user's name during the installation process. The TIU-HS objects will work fine in reminder dialogs, but you may find a problem with not being able to VIEW the object in the CPRS GUI Template Editor due to "no owner" being designated after installing. When you try to select an object in the CPRS Template editor, you may get an error message. ***See the TIU Technical Manual for instructions on how to assign yourself as an owner.***

Helpful Hints/Troubleshooting, cont'd

Q: Is there any way to change the Title of a Progress Note? For example, if I want to change one of my CWAD notes to a Nursing Psychology note, is that possible?
A: Yes. Use the "hidden" action Change Title.

Q: Is there a way to access progress notes that have been linked to a problem? I can't seem to find how this is done.

A: Assuming that notes are being linked to problems, you can use the *Show Progress Notes Across Patients* option to search for notes by Problem. When prompted to Select SEARCH CATEGORIES:, enter Problem.

```
Select Progress Notes User Menu Option:  Show Progress Notes Across
Patients
Select Status: COMPLETED// ALL  undictated  untranscribed  unreleased
unverified  unsigned  uncosigned completed,  amended  purged  deleted
Select Progress Notes Type(s): ALL Advance Directive, Adv React/Allergy
Crisis Note  Clinical Warning  Historical Titles
Select SEARCH CATEGORIES: AUTHOR// PROB   Problem
Select PROBLEM: ANGINA PECTORIS, UNS
2 matches found
   1  Angina pectoris, unstable
   2  Other and unspecified angina pectoris
 Type "^" to STOP or Select 1-2:  1
Start Reference Date [Time]: T-2// T-9999  (JAN 20, 1970)
Ending Reference Date [Time]: NOW// <Enter>   (JUN 06,1997@09:00))
Searching for the documents.
```

Of course, this query has several limitations:

- Only one problem may be selected at a time (i.e., you can't select ANGINA PECTORIS OR AIHD as a search criterion)
- Problems can't be "grouped" or expressed ambiguously (e.g., a search for ANGINA PECTORIS, rather than ANGINA PECTORIS, UNSTABLE, would not have found this record), and
- The only way for this benefit to be exercised at all is for the clinicians at your facility to be actively using Problem List.

Still, if you're interested in a focused search for all notes about a specific problem, and if your facility has committed to the use of the Problem List package, this can be a powerful asset for retrospective research, utilization review, and epidemiological studies. With the Preventive Measures for certain chronic diseases being made part of the Director's performance appraisal, being able to easily pull notes that document what was done for those problems is of HIGH importance.

Facts & Helpful information

Action abbreviations on List Manager screens

The TIU and ASU packages don't use mnemonics (abbreviations or numbers) for actions (protocols) on List Manager screens, partly because it's difficult to make them consistent with other packages and what users expect. Sites, however, can feel free to add whatever their users would like to have (e.g., $ for Sign).

Shortcuts

At any "Select Action" prompt, you can type the action abbreviation, then the = sign and the entry number (e.g., E=4).
Jump to Document Def in the Edit Document Definition option takes you directly to a document definition (Class, Document Class, or Title) if you know the name.
When reviewing several notes, the up-arrow (^) entry takes you to the next note. To exit from the review, enter two up-arrows (^^).

Visit Information

When you enter a Progress Note for an outpatient, this Progress Note now needs to be associated with a "visit." For the majority of Progress Notes, this visit association is done in the background, based on Scheduling or Encounter Form data. If a visit has already been recorded for the date your Progress Note refers to, but the Progress Notes wasn't linked (e.g., for standalone visits such as telephone or walk-in visits), you can select a visit from the choices presented to you during the PN dialogue. If no visit has been recorded, you must create a new visit. See the example below.

NOTE: As of patch TIU*1*269 – Updates for ICD-10, selection from appropriate ICD diagnoses or procedures (ICD-9 or ICD-10) can be made, depending on the Date of Visit. The dialogue confirming the selections will include the ICD coding system as well as the ICD code.

Example: Entry of Progress Note that needs Visit Information

```
Select PATIENT NAME: TIUPATIENT,FIVE  TIUPATIENT,FIVE        4-9-46  666668829
YES     SC VETERAN
            (7 notes)  D: 07/11/00 08:41
                       A: Known allergies

Enter RETURN to continue or '^' to exit: <Enter>

 Enrollment Priority: GROUP 3    Category: IN PROCESS    End Date:


Available notes:  11/25/1998 thru 07/13/2000  (71)
Do you wish to see any of these notes? NO// <Enter>
TITLE: ADVERSE  11/12 ADVERSE REACTION/ALLERGY     TITLE
```

Example: Entry of Progress Note, cont'd

```
This patient is not currently admitted to the facility...

Is this note for INPATIENT or OUTPATIENT care? OUTPATIENT// <Enter>

The following SCHEDULED VISITS are available:

   1>  JUN 29, 1999@08:00                          ONCOLOGY
   2>  JUN 24, 1999@11:00  NO ACTION TAKEN         ONCOLOGY
   3>  JUN 24, 1999@10:00  NO ACTION TAKEN         ONCOLOGY
   4>  JUN 24, 1999@09:00  NO ACTION TAKEN         CARDIOLOGY
   5>  JUN 24, 1999@08:00                          GENERAL MEDICINE
CHOOSE 1-5, or
<U>NSCHEDULED VISITS, <F>UTURE VISITS, or <N>EW VISIT
<RETURN> TO CONTINUE
OR '^' TO QUIT: N

PATIENT LOCATION: GENERAL MEDICINE// <Enter>
Enter Visit Date/Time:  NOW// <Enter>  (JUL 13, 2000@09:21:24)
TYPE OF VISIT: AMBULATORY// <Enter> (WALK-IN)   AMBULATORY (WALK-IN)

Enter/Edit PROGRESS NOTE...
          Patient Location:  GENERAL MEDICINE
        Date/time of Visit:  07/13/00 09:21
         Date/time of Note:  NOW
            Author of Note:  TIUPROVIDER,SEVEN
   ...OK? YES//<Enter>

Calling text editor, please wait...
  1>Treatment for allergic reaction to injury.
  2><Enter>
EDIT Option: <Enter>

Saving Adverse React/Allergy with changes...
Is this Adverse React/Allergy ready to release from DRAFT? YES// <Enter>
Adverse React/Allergy Released.

Enter your Current Signature Code: <Enter Signature> SIGNATURE VERIFIED..

Select PRIMARY PROVIDER: TIUPROVIDER,SEVEN // <Enter>  TIUPROVIDER,SEVEN
CRS       PHYSICIAN

Please Indicate the Diagnoses for which TIUPATIENT,FOUR was Seen:
                         18 Ascites                 34 Shoulder
 1 Abdominal Pain        19 ASHD                    MISC (2)
 2 Abnormal EKG          20 Asthma                  35 DIETARY SURVEIL
 3 Abrasion              21 Atrial Fibrillation     36 Cataract(s)
 4 Abscess               22 Atypical Chest Pain     37 Cardiac Arrest
 5 Adverse Drug Reactio  23 Avulsion, Fingernail    38 Cardia Arrthyth
 6 AIDS/ARC              BITE:                      39 Cerebral Concus
 7 Alcoholic, intoxicat  24 Animal                  40 Cerumen
 8 Alcoholism, Chronic   25 Insect Bite             41 Chest Pain
 9 Allergic Reaction     MISC                       42 Chest Wall Pain
10 Anemia                26 Bleeding, GI            43 CHF
ANGINA:                  27 Blurred Vision          44 Cholecystitis
11 Stable                28 BPH                     45 Cirrhosis
12 Unstable              29 Bronchitis, acute       46 Conjunctivitis
13 Anorexia              BURN:                      47 Constipation
14 Appendicitis, Acute   30 First Degree            48 Contusion
15 Arthralgia            31 Second Degree           49 COPD
ARTHRITIS                32 Third Degree            50 Costochodritis
16 Osteo                 BURSITIS:                  51 CVA
17 Rheumatoid            33 Elbow                   52 Cyst, Pilonidal
```

A list of diagnoses relating to the clinic, as defined using the AICS package, is presented for you to choose from.

Example: Entry of Progress Note, cont'd

```
Select Diagnoses (<RETURN> to see next page of choices):  (1-52): 9

Please Indicate the Procedure(s) Performed on TIUPATIENT,EIGHT

NEW PATIENT              16 Cardioversion         29 Small Joint (Phalanx
 1 Brief Visit           17 EKG                   DISLOCATION REG. MAN
 2 Limited Exam          18 Pericardiocentesis    30 Elbow
 3 Intermediate Exam     19 Thoracotomy           31 Nasal
 4 Extended Exam         ENT                      32 Phalanx
 5 Comprehensive Exam    20 Removal Impacted Cer  33 Radial Head
ESTABLISHED PATIENT      NASAL CAUTERING AND      34 Shoulder
 6 Brief Exam            21 Anterior, Simple      35 Temporomandibular
 7 Limited Exam          22 Anterior, complex     36 Finger Splint
 8 Intermediate Exam     23 Posterior             37 Forearm Splint
 9 Extended Exam         EYE                      38 Injection Tendon She
10 Comprehensive Exam    24 Foreign Body Removal  LIGAMENT/TRIGGER
CONSULTATIONS             -26 PROFESSIONAL C      PULMONARY
11 Brief Visit            -32 MANDATED SERVI      39 Admin Oxygen
12 Limited Visit         25 Air ambulance servic  40 Inhalation Therapy
13 Intermediate Visit    26 PET follow SPECT      41 Peak Flow Spirometry
14 Extended Visit        ORTHOPEDIC               UROLOGY
15 Comprehensive Visit   ARTHROCENTESIS           42 Foley Catherter
                         27 Intermediate          MISCELLANEOUS
CARDIOVASCULAR           28 Major Joint (shoulde  I&D

Select Procedures (<RETURN> to see next page of choices):  (1-42): 24

43 Abcess
SIMPLE REPAIR, WOUND
44 Less than 2.5 cm
45 2.6 - 7.5 cm
46 Greater than 7.5 cm
SOFT TISSUE:
47 Burns 1 * Local Trea
48 Dressings Medium
49 Dressings Small
50 Transfusion
51 Venipuncture
52 OTHER Procedure

Select Procedures:  (1-52): 48

FOREIGN BODY REMOVAL W/ MOD W/ MOD X 2:

How many times was the procedure performed? 1// <Enter>
Current CPT Modifiers:
            -26    PROFESSIONAL COMPONENT
            -32    MANDATED SERVICES
Select another CPT MODIFIER: ??

   Choose from:
   22        UNUSUAL PROCEDURAL SERVICES
   23        UNUSUAL ANESTHESIA
   26        PROFESSIONAL COMPONENT
   32        MANDATED SERVICES
   47        ANESTHESIA BY SURGEON
   50        BILATERAL PROCEDURE
   51        MULTIPLE PROCEDURES
   52        REDUCED SERVICES
   53        DISCONTINUED PROCEDURE
   54        SURGICAL CARE ONLY
   55        POSTOPERATIVE MANAGEMENT ONLY
```

A list of CPT Modifiers can be printed out by entering two question marks (??) at the prompt.

```
56        PREOPERATIVE MANAGEMENT ONLY
57        DECISION FOR SURGERY
```

Example: Entry of Progress Note, cont'd

```
   58        STAGED OR RELATED PROC BY SAME PHYS DURING POSTOP PERIOD
   59        DISTINCT PROCEDURAL SERVICE
   62        TWO SURGEONS
   66        SURGICAL TEAM
   73        DISC O/P HOSP/AMB SURG CENTER (ASC) PROC PRIOR ADMIN-ANESTH
   74        DISC O/P HOSP/AMB SURG CENTER (ASC) PROC AFTER ADMIN-ANESTH
   76        REPEAT PROCEDURE BY SAME PHYSICIAN
   77        REPEAT PROCEDURE BY ANOTHER PHYSICIAN
   78        RETURN TO OP ROOM FOR RELATED PROC DURING POSTOP PERIOD
   79        UNRELATED PROC OR SERVICE BY SAME PHYS DURING POSTOP PERIOD
   80        ASSISTANT SURGEON
   81        MINIMUM ASSISTANT SURGEON
   82        ASSISTANT SURGEON (WHEN QUAL RES SURGEON NOT AVAIL)
   90        REFERENCE (OUTSIDE) LABORATORY
   99        MULTIPLE MODIFIERS
   AA        ANESTHESIA PERF BY ANESGST
   AS        PA,NP,CN ASSIST-SURG
   QX        CRNA SVC W/ MD MED DIRECTION
   QZ        CRNA SVC W/O MED DIR BY MD
   SG        ASC FACILITY SERVICE
   TC        TECHNICAL COMPONENT

Select another CPT MODIFIER: 47       ANESTHESIA BY SURGEON
Select another CPT MODIFIER: <Enter>

DRESSINGS MEDIUM:

How many times was the procedure performed? 1// <Enter>
Select CPT MODIFIER: <Enter>

Was this encounter related to any of the following:

Service Connected Condition? Y  YES

You have indicated the following data apply to this visit:

DIAGNOSES:
   (ICD-9-CM 995.3)   Allergic Reaction  <<< PRIMARY

PROCEDURES:
   65205    Foreign Body Removal W/ Mod w/ mod x 2
        CPT Modifier(s):
            -26    PROFESSIONAL COMPONENT
            -32    MANDATED SERVICES
            -47    ANESTHESIA BY SURGEON
   16015    Dressings Medium

SERVICE CONNECTION:
   Service Connected? YES

   ...OK? YES// <Enter>

Posting Workload Credit...Done.
Print this note? No// <Enter>  NO

You may enter another Progress Note. Press RETURN to exit.

Select PATIENT NAME:
```

Visit Orientation

Why associate Progress Notes with Visits?

Database design: An event (clinical or otherwise) may be fully described by five key attributes or parameters: Who, what, when, where, and why. Three of these (i.e., who, when, and where), are all encoded in the Visit File entry itself. The remaining two parameters (what, and why), are generally included in the content of the document.

The VHA Operations Manual, M-1, Chapter 5 requires that every ambulatory visit have at least one Progress Note. Deficiencies with respect to this requirement can *only* be identified if Progress Notes are associated with their corresponding Visits.

Inter-facility data transfer requires identification of the Facility from which the data originated. Because the Facility is an attribute of the Visit file entry, it is not necessary to maintain a reference to the facility with every clinical document.

Workload Capture, particularly for telephone and standalone encounters, where the only record of the encounter is frequently a Progress Note, can be easily accommodated, provided that notes are associated with visits.

"Roll-up" of documentation by Care Episode. To allow access to all information pertaining to a given episode of care (e.g., for close-out of a hospitalization), a visit orientation is essential.

Integration with PCE, Ambulatory Care Data Capture, and CIRN. The visit orientation provides a useful associative entity for interfaces with other clinical data repositories that allow query and report generation based on the existence of a variety of coded data elements. For example, a search of PCE to identify all patients with AIHD who were discharged without a prescription for aspirin prophylaxis might identify a cohort of patients for further evaluation. The ability to call for all the cardiology notes entered during the corresponding care episodes could revolutionize retrospective chart review).

Glossary

ASU	Authorization/Subscription Utility, an application that allows sites to associate users with user classes, allowing them to specify the level of authorization needed to sign or order specific document types and orderables. ASU is distributed with TIU in this version; eventually it will probably become independent, to be used by many VistA packages.
Action	A functional process that a clinician or clerk uses in the TIU computer program. For example, “Edit” and “Search” are actions. Protocol is another name for Action.
Boilerplate Text	A pre-defined TIU template that can be filled in for Titles, speeding up the entry process. TIU exports several Titles with boilerplate text which can be modified to meet specific needs; sites can also create their own.
Business Rule	Part of ASU, Business Rules authorize specific users or groups of users to perform specified actions on documents in particular statuses (e.g, an unsigned progress note may be edited by a provider who is also the expected signer of the note).
Class	Part of Document Definitions, Classes group documents. For example, “Progress Notes” is a class with many kinds of progress notes under it. Classes may be subdivided into other Classes or Document Classes. Besides grouping documents, Classes also store behavior which is then inherited by lower level entries.
Clinician	A doctor or other provider in the medical center who is authorized to provide patient care.
Component	Components are “sections” or “pieces” of documents, such as Subjective, Objective, Assessment, and Plan in a SOAP Progress Note. Components may have (sub)Compon-ents as items. They may have Boilerplate Text. Components may be designated as “Shared.”

CPRS	Computerized Patient Record System. A comprehensive VistA program, which allows clinicians and others to enter and view orders, Progress Notes and Discharge Summaries (through a link with TIU), Problem List, view results, reports (including health summaries), etc.
CWAD	Cautions, Warnings, Adverse Reactions, Directives; a type of Progress Note.
Discharge Summary	Discharge summaries are summaries of a patient's medical care during a single hospitalization, including the pertinent diagnostic and therapeutic tests and procedures as well as the conclusions generated by those tests. They are required for all discharges and transfers from a VA medical center, domiciliary, or nursing home care. The automated Discharge Summary module of TIU provides an efficient and immediate mechanism for clinicians to capture transcribed patient discharge summaries online, where they're available for review, signing, adding addendum, etc.
Document Class	Document Classes are categories that group documents (Titles) with similar characteristics together. For example, Nursing Progress Notes might be a Document Class, with Nursing Dialysis Progress Notes, Nursing psychology Progress Notes, etc. as Titles under it. Or maybe the Document Class would be Psychology Notes, with Psychology Nursing Notes, Psychology Social Worker Notes, Psychology Patient Education Notes, etc. under that Document Class..
Document Definition	Document Definition is a subset of TIU that provides the building blocks for TIU, by organizing the elements of documents into a hierarchy structure. This structure allows documents (Titles) to inherit characteristics (such as signature requirements and print characteristics) of the higher levels, Class and Document Class. It also allows the creation and use of boilerplate text and embedded objects.

HIMS	Hospital Information Management System, common abbreviation/synonym used at VA site facilities; also known as MIS (see below).
IRT	Incomplete Record Tracking, a package TIU can interface with to transmit incomplete progress notes and discharge summaries.
Interdisciplinary Note	A new feature of Text Integration Utilities (TIU) for expressing notes from different care givers as a single episode of care. They always start with a single note by the initial contact person (e.g., triage nurse, case manager, attending) and continue with separate notes created and signed by other providers, then attached to the original note.
MIS	Common abbreviation/synonym used at VA site facilities for the Medical Information Section of Medical Administration Service. May be called HIMS (Health Information Management Section).
MIS Manager	Manager of the Medical Information Section of Medical Administration Service at the site facility who has ultimate responsibility to see that MRTs complete their duties.
MRT	Medical Record Technician in the Medical Information Section of Medical Administration Service at the site facility who completes the tasks of assuring that all discharge summaries placed in a patient's medical record have been verified for accuracy and completion and that a permanent chart copy has been placed in a patient's medical record for each separate admission to the hospital.

Object

Objects are a device to extract data from other VistA packages to insert into boilerplate text of progress notes or discharge summaries. This is done by having a placeholder name embedded in the predefined boilerplate text of Titles, such as: "PATIENT AGE." The creator of the Object types the placeholder name into the boilerplate text of a Title, enclosed by '|'s. If a Title has the following boilerplate text:

"Patient is a healthy |PATIENT AGE| year old male ..."

Then a user who enters such a note for a 56 year old patient would be presented with the text:

"Patient is a healthy 56 year old male ..." where the age for this specific patient is pulled from the patient database.

Progress Notes

The Progress Notes module of TIU is used by health care givers to enter and sign online patient progress notes and by transcriptionists to enter notes to be signed by caregivers at a later date. Caregivers may review progress notes online or print progress notes in chart format for filing in the patient's record.

TIU

Text Integration Utilities

Title

Titles are definitions for documents. They store the behavior of the documents which use them.

User Class

User Classes are the basic components of the User Class hierarchy of ASU (Authorization/ Subscription Utility) which allows sites to designate who is authorized to do what to documents or other clinical entities.

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