ADVERSE REACTION TRACKING

USER MANUAL

Version 4.0

October 2021

Office of Information and Technology
Department of Veterans Affairs

Revision History

Revision Date	Page or Chapter	Description	Project Manager	Author
Oct. 2021	N/A	Patch GMRA*4*69 Informational patch for redactions and 508 compliance.	CPRS Dev. Team	CPRS Dev. Team
June 2021	1	Added a description of GMRA*4.0*63.	CPRS Dev. Team	CPRS Dev. Team
	138 - 142, 149 - 152	Updated the sections for entering new allergies in the CPRS GUI: Updated the historical allergy entry and the Existing Medication Allergy dialog. Inserted screenshots with no sensitive data issues back into Figures 4, 5 and 13.		
Nov. 2018	1	Added a description of GMRA*4.0*59.	REDACTED	REDACTED
	18	Updated the GMRA MARK CHART mail group description.		
	140, 151	Added Notes to allergy/adverse reaction procedures to describe the Mark Patient Chart email bulletin.		
	154	Updated the GMRA MARK CHART bulletin entry in the Glossary.		
Oct. 2018	Page 1	Added description of GMRA*4*58	REDACTED	REDACTED
Nov. 2016	Pages i-vi, 1, 19, 51-55	Added description of GMRA*4.0*50, which sends a MailMan message when the VA Drug Class field is	REDACTED	REDACTED

Revision Date	Page or Chapter	Description	Project Manager	Author
		empty. Added Edit VA Drug Class section.		
Apr. 2016	Pages 1 and 3	Updated description of the GMRA*4*48 - Assessment Clean Up Utility patch.	REDACTED	REDACTED
	Pages 37 and 37	Revised the Assessment Clean Up Utility section. This included describing the process of accessing the GMRA ASSESSMENT UTILITY for the first time.		
Apr. 2016	Pages i thru 173	Made grammatical and formatting changes throughout the document. Updated footer to reflect 2016 date.	REDACTED	REDACTED
	Page i	Updated Title Page		
	Page ii	Updated Revision History.		
	Page 1	Added GMRA*4*46 Allergy Order Check Signs/Symptoms		
	Pages 154, 155, and 156	Added note. Changed the definition of Historical, Observed, or True Allergy in Glossary		
Apr. 2016	Pages i thru 173	Made grammatical and formatting changes throughout the document. Updated footer to reflect 2016 date.	REDACTED	REDACTED
	Page i	Updated Title Page		

Revision Date	Page or Chapter	Description	Project Manager	Author
	Page ii	Updated Revision History.		
	Page 1	Added general description and reference to GMRA*4*48 - Assessment Clean Up Utility Patch		
	Page 21	Added Line 7 for Assessment Clean Up Utility		
	Page (N/A removed link error) and 37	Added description of Assessment Clean-Up Utility and added GMRA*4*48 Assessment Clean Up Utility to ART Configurable files		
	Pages 37, 43, and 46	Removed extra should from second note under Resolution. Added note after Observed Report. Added "Example Enter/Edit Patient Reaction Data:" in front of example		
	Page 43	Revised paragraph under Observed vs Historical section.		
	Page 63	Changed Steps 2 and 3 by adding … after Menu		

Revision Date	Page or Chapter	Description	Project Manager	Author
	Pages 61 and 73	Corrected spelling of VistAweb in Note under Print Patient Reaction Data		
	Page 86	Changed Steps 3 and 5 by adding … after Menu.		
	Page 118	Changed Step 3 by adding … after Menu.		
	Pages 137 and (N/A removed link error)	Added a reference to Figure 5 and added Figure 5. Selecting a Reaction Date, Time and Severity		
Oct. 2013	Page 1	Updated descriptions of recent patches	REDACTED	REDACTED
Feb. 2007	Pages 4-12	Updated descriptions of recent patches	REDACTED	REDACTED
Aug. 2006	Page 57	Added note regarding dates, per GMRA*4*35	REDACTED	REDACTED
May 2006	Throughout	Various edits, including fixing DOBs to comply with Patient privacy SOP 192-352	REDACTED	REDACTED
Feb. 2006	Appendix 2	FAQ re Data Standardization	REDACTED	REDACTED
Feb. 2006	Page 1-4	Descriptions of recent patches	REDACTED	REDACTED
Sept. 2005	Appendix 2	Patch 26 Release Notes	REDACTED	REDACTED
Apr.-July 2005	Pgs 5, 140	Updates for GMRA*4.0*23 and data standardization.	REDACTED	REDACTED
Dec. 2004	Throughout manual.	Edits based on SQA review, including	REDACTED	REDACTED

Revision Date	Page or Chapter	Description	Project Manager	Author
		removal of Marked on Chart prompts.		
Nov. 2004	Pages 4-5 and 129	Added description of NKA deletion	REDACTED	REDACTED
Oct./Nov. 2004	Throughout manual.	Patient name and SSN and provider name updates to comply with Patient privacy SOP.	REDACTED	REDACTED
Oct. 2004	Appendix 1	CPRS GUI 25 Release Notes for ART added and updated.	REDACTED	REDACTED
Jan. 2004	Page 24	Patch 17 (GMRA*4*17) Free Text Allergy Clean Up Utility info added.	REDACTED	REDACTED

Preface

Assumptions about the Reader

This guide is written with the assumption that readers have experience with the following:

- VistA computing environment
- Kernel Installation and Distribution System [KIDS]
- VA FileMan data structures and terminology

Reference Materials

To learn more about ART and current standardization activities, consult the following:

- VUID Planning Requirements Document from Enterprise Reference Terminology (ERT):
  REDACTED
- Standards and Terminology (Data Standardization) Project Website: REDACTED
- REDACTED
- The NTRT Program website. This website allows users to submit new terms to be included in the national standard. The website also features a user guide that provides instructions for submitting a new term: REDACTED
- The VistA documentation library has more detailed information about all aspects of VistA. [Link Redacted]

ART Documentation

- ART Installation Guide   GMRA_4_IG.PDF
- ART Technical Manual   GMRA_4_TM.PDF
- ART Patch 26 Release Notes   GMRA_4_26_RN.PDF

ART documentation is available on the VHA Software Document Library (VDL): [Link Redacted]

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Introduction

Updates to the Adverse Reaction Tracking (ART) System

ART has been modified in order to standardize the data stored in the allergy package. Standardized data is necessary for inclusion in the Health Data Repository (HDR).

The data standardization program is the cornerstone of the Veterans Health Administration's (VHA) plan to share health information across the entire VHA system. Data standardization establishes a consistent way of defining data. This will enable all sites in the VA health system to speak the same language and will ensure that data not only crosses from system to system but retains the same meaning. For example, an allergy to penicillin entered in the Tuscaloosa VAMC will be automatically included in order checks and decision support at every other VAMC and will also be computable within the Department of Defense if the patient seeks treatment at one of their facilities. The ability to access complete and accurate health information for a Veteran at any site is not only critical in ensuring patient safety, but supports informed clinical decision-making, personalized patient care, and improved population health.

Two new cross-references and a new Application Programmer Interface (API) were created that will allow changes to existing reactant terms to propagate through existing allergy entries in the PATIENT ALLERGIES file (120.8).

The GMR ALLERGIES file (120.82) and the SIGNS/SYMPTOMS file (120.83) have been standardized. As a result of standardization, sites will no longer be allowed to add or edit entries in either of these files. In addition, users will no longer be able to add "free text" signs /symptoms.

Recent Patches

GMRA*4.0*63 – CPRS V32A Modifications
This patch is part of the Computerized Patient Record System (CPRS) v32A updates. This patch implements functionality related to NSR #20070203, which checks active orders when a new allergy is entered and allows a notification to be sent to pre-defined users as well as any user-selected recipients. This patch also implements NSR #20120404, which allows historical allergies to be entered with an optional severity and date of occurrence while requiring at least one sign/symptom or a comment of at least four characters.

GMRA*4.0*59 – VistA Mailman Mark Patient Chart
This patch enables the ART package to generate a real-time VistA MailMan bulletin when allergy or adverse reaction information is entered into CPRS. As described in the *CPRS Changes Affecting ART* section of this document, the ability to generate this bulletin through CPRS was disabled by CPRS GUI version 26. Patch GMRA*4*59

restores this functionality by sending a bulletin to the GMRA MARK CHART mail group when providers enter allergy/adverse reaction information in the CPRS "Enter Allergy or Adverse Reaction" window, accessed from either the CPRS Orders tab or Cover Sheet. The bulletin provides a reminder that the patient chart must be updated with the allergy/adverse reaction information displayed in the bulletin message.

GMRA*4*58 – Suppress Non-Drug Ingredient Level Alert
GMRA*4*58 suppresses Non-Drug Ingredient Level Alert that was introduced in patch GMRA*4*50. This patch will add a filter to suppress those alerts where ALLERFY TYPE field (#3.1) in the PATIENT ALLERGY file (#120.8), does not contain the Drug code of "D", as no action needs to be taken for this scenario.

GMRA*4.0*50 – MailMan Message
This patch generates the below MailMan message when the VA Drug Class field (#3) in the Patient Allergies File (#120.8) is empty. The message is directed to members of the predefined MailMan group "ADVERSE_ALLERGY_WARNING." This MailMan group is created by the post - installation routine, if it is not present upon installation of this patch.

```
Subj: ALLERGY/ADVERSE REACTION WITHOUT VA DRUG CLASS (CHEYENNE VAMC)  [#229760]
02/17/16@13:19  9 lines
From: DOCTOR,ALPHA  In 'IN' basket.   Page 1
-------------------------------------------------------------------------
The following allergy/adverse reaction may need a VA DRUG CLASS added
for the following Patient:

Patient: EPIPPATIENT,FIFTYTWO B
LAST4: E9000
Reactant: ASPIRIN
Reactions: ANXIETY
OBS/HIS: HISTORICAL
Location:

Enter message action (in IN basket): Ignore//
```

The members of this mail group should be holders of the GMRA-ALLERGY VERIFY key who are normally clinical pharmacists. This key allows the holder to edit verified allergies.

GMRA*4*48 - Assessment Clean Up Utility

GMRA*4*48 installs the Assessment Clean Up Utility, allowing sites to identify and correct any discrepancies between the ADVERSE REACTION ASSESSMENT file (#120.86) and the PATIENT ALLERGIES file (#120.8).

A data discrepancy issue was discovered between the ADVERSE REACTION ASSESSMENT file (#120.86) and the PATIENT ALLERGIES file (#120.8). Specifically, a patient had a value of NO for the assessment and yet they had active

reactions. The discrepancy could generate a hard error when attempting to process an Outpatient prescription.

When the patch is installed, the 'B' cross-reference for the ADVERSE REACTION ASSESSMENT file (#120.86) is re-indexed. The installer will be notified when the re-indexing is complete.

After the re-indexing is complete, the site should run the GMRA ASSESSMENT UTILITY option. *See Page 37 for further information.*

GMRA*4*46 – Allergy Order Check Signs/Symptoms
This patch will enable the Adverse Reaction Tracking package to return additional data within the medication order check message to the Computerized Patient Record System (CPRS) and Pharmacy. This data includes the signs and symptoms of the reaction, the reaction's severity and the item (ingredient or drug class) that was matched.

GMRA*4*45 - ORDER CHECK API UPDATE
This patch is being released in conjunction with CPRS GUI v28. CPRS GUI version 28 consists of five host files: PSS_1_151.KID, PSS_1_142.KID, CPRS28_REQUIRED.KID, OR_PSJ_PXRM_28.KID and CPRS28_RELATED.KID. These five host files contain software that support CPRS GUI v28 functionality.

Patch OR*3.0*293 creates a centralized repository for the collection of all order check information in each VISTA instance. This repository is located in the new file 100.05. Therefore, order checking information will no longer be stored with the order in file 100. Thus, the ART code that reads file 100 is updated in this patch to now call an API to get the order checking information.

GMRA*4*44 - RDI VHIM COMPLIANCE UPDATES
The HealtheVet Web Service Client (HWSC) package is a prerequisite for OR*3.0*294 and GMRA*4.0*44. The purpose of patch GMRA*4*44 is to support changes to the RDI API that have been made in patch OR*3.0*294.

There are no functional changes included with this patch. Thus, the users should not see any difference in the workflow of placing an order or any difference in the resulting remote order checks.

GMRA*4*43 - HEALTH DATA REPOSITORY MERGE ISSUE
A problem occurs when two patients are merged, and one has allergies and the other does not. There is no check to see if an assessment has been done to determine if the patient should be marked as having allergies.

When two patients are merged in the Health Data Repository (HDR) Merge, there are no checks made to determine if either or both patients have allergies, and an assessment has been made.

Solution:
A routine has been added to run pre-merge that will assess both the FROM and TO patients to determine their allergy status and set appropriate fields in the ADVERSE REACTION ASSESSMENT file (#120.86). This routine will be added to the package file and will be permanent for the merge to call each time before it is run.

GMRA *4*42 - PROGRESS NOTES AND HISTORICAL ALLERGY ENTRIES
In the allergy package, a progress note is created whenever an observed drug allergy is entered for a patient. That note is then added to the list of items to be signed when changing the patient or refreshing the patient's data.

Historical allergies, regardless of whether they are drug related or not, do not create progress notes.

During internal testing of another issue, it was discovered that a note can be associated, or appear to be associated, to an historical allergy entry. Using the following scenario, the issue can be seen:

1. Open a fresh session of CPRS.
2. Patient One: Enter Observed Drug allergy; File|Refresh. Get a note, as expected, and sign.
3. Patient One: Enter Historical. File|Refresh. Note, unexpected error on trying to sign (will likely be an unable to cosign error).

At this point, any addition historical entries will appear to have a note associated with it. In fact, what is happening is the same note is appearing on the "to be signed" list even though it may already be signed. No new notes are created, and the note stays associated with the correct patient and correct allergy.

After the installation of this patch, the system will correctly handle the creation of the progress note for observed entries and will no longer associate a progress note with an historical entry.

While testing this patch, it was discovered that the zero node of the XTMP global entry that stores data from the HDR isn't correctly set at the time the data is retrieved. As a result, the daily clean-up process that clears out the XTMP global will not clear this data, which may cause an unnecessary buildup of data in XTMP. The zero node will now be set correctly.

Related to the HDR work, the code that indicates when new allergy data should be sent to the HDR would sometimes stop processing due to a task manager issue. The code has been modified to add a fail-safe so that if the data isn't sent to the HDR as a result of a task related error, a new task will be created to send the data. Previously, manual intervention was required.

GMRA*4*41 - Pharmacy Encapsulation Changes
This patch converts GMRA routines to the new Pharmacy Encapsulation Cycle II APIs (Application Programmer Interfaces). GMRA routines no longer read data directly from Pharmacy files 50.605, 50.416, 50.6.

GMRA*4*40 - Updating ANGIOTEN-related Allergies
In patch GMRA*4*29, existing free text entries were updated in one of three ways. The entry was either updated to a standardized term, marked as entered in error, or left as free text with the phrase (FREE TEXT) appended to the term.

A group of terms that were included in the updated matrix that had the text ANGIOTEN in common were identified as needing to be updated to ACE INHIBITORS. Of the 19 terms that fell into this group, 6 were correctly identified as needing to be updated to ACE INHIBITORS. The other 13 terms should have been updated to either ANGIOTENSIN II INHIBITORS or should have been updated to free text if the existing term didn't provide enough information to accurately update it to a standardized term.

Prior to standardization, we were aware that there were about 50 allergies on file at all sites for the 19 "ANGIOTEN" based terms. In addition, the ACE INHIBITORS and ANGIOTENSIN II INHIBITORS are in related classes (CV800 and CV805 respectively) which will cause drug class related order checks to fire when an allergy to either class is on file and an item from either class is ordered. This patch will find any ANGIOTEN based allergies that were updated by patch 29 and update them to the correct term if need be.

In addition, the post-install will delete and rebuild the "B" cross-reference of the PATIENT ALLERGIES file (#120.8). During installation of patch 29, a few sites reported problems with the post-install not completing. It was discovered that a "B" cross-reference existed for an entry that was no longer in the file. The "B" cross-reference will be deleted and rebuilt to ensure accuracy.

GMRA*4*38 - Add Allergy-related Progress Note to CPRS Signature List
This patch was released in conjunction with CPRS GUI v27.

Currently, when a new observed allergy is entered or an existing allergy is marked as entered in error, a progress note is created. When these actions are taken from within CPRS GUI, the note is not added to the items requiring signature. As a result, when the user is finished working with that patient, the progress note is not displayed for signature as is expected.

The progress note is created outside of the context of CPRS and CPRS is therefore unaware of the fact that the progress note needs to be signed.

Beginning with CPRS v27 and the installation of this patch, CPRS will be made aware of the creation of the progress note and it will be added to the list of items to be signed when the patient record is exited or if the sign items action is taken.

Patch 38 also includes a post-install that will identify any allergy entries in the PATIENT ALLERGIES file (#120.8) that have an incorrect pointer value in the GMR ALLERGY field and convert it to a free text entry. The installer will receive an email listing any entries that were updated. The site will need to use the 'allergy clean up utility' to fix those entries.

GMRA*4*26 - Remote Data Interoperability (RDI) Update

GMRA*4.0*26 provides the Remote Data Interoperability (RDI) project the ability to use remote allergy data when determining drug-allergy order checks.

The remote data will come from the Health Data Repository (HDR) and that data will be used to determine if an order check should be given on the local system for the drug being ordered.

GMRA*4*26 accompanies OR*3.0*232, which is the Order Entry/Results Reporting portion of the Remote Data Interoperability project. This project's aim is to include DoD and VA-wide data in the data set used to perform order checking on new patient orders.

Order Checks for Allergies to Drugs
Drug Allergy Order Check Upon Placing a Medication Order

At the time a provider enters either an Outpatient or Inpatient medication order is entered into the Computerized Patient Record System (CPRS), CPRS will provide the details of the order to ART. If known, CPRS will also provide the standardized VUID (VHA Unique Identifiers) of the drug from the VA Product file (#50.68). ART will check the patient's active allergies to attempt to determine if potential allergy-drug interactions exist. ART will retrieve active allergies from HDR-Hx and HDR-IMS via a CPRS API call to CDS and include those in the drug allergy-drug order checks. ART queries the National Drug File Pharmacy application for the drug ingredients and the drug classes associated with the product. It also compares the ingredient and drug class information against the information on file for the patient. The first check is on the ingredients; if no match is found, the next check is for drug classes. ART provides any potential interactions to CPRS, and CPRS notifies the ordering provider if potential interactions exist at the time the order is entered and before the order is signed.

ART Converts VUIDs to IENs if Necessary

If RDI sends a drug ingredient or drug class VUID to ART, ART calls an API to convert drug ingredient VUIDs to IENs and drug class VUIDs to drug class codes in order to accomplish order checking.

Display of Potential Drug Allergy Interactions

At the time the order is entered, CPRS will display, in a pop-up window, any potential drug allergy interactions.

Outpatient Pharmacy and Allergies

Outpatient Pharmacy calls a CPRS API to retrieve the patient's allergy information from all sites where the patient has been seen in order to perform allergy/adverse reaction checking.

Inpatient Medication Drug Allergy Order Checks for Backdoor Orders (and Remote Data).

When a new order is entered, a pending order is finished, or an order is copied or renewed in the Inpatient Order Entry [PSJ OE] option, or the Non-Verified/ Pending Orders [PSJU VBW] option, or the Order Entry [PSJU NE] option, or the Order Entry (IV) [PSJI ORDER] option, a call is made to the ART order checking API, which returns any drug allergy information to Inpatient Medications, including the site where the allergy was entered. If interactions exist, this information is displayed to the finishing pharmacist to be acted upon. This display includes the name of the site where the drug order and/or allergy interaction originated.

RDI allergy calls are made for entry of Non-VA med and also when a RAD order that is marked for contrast media is entered.

GMRA*4*37 - Add Remote Data to Contrast Media Order Checks
Patch GMRA*4*37 expands RDI functionality to include remotely entered allergy data when determining if there is a contrast media allergy when ordering radiological procedures.

When a radiological request is entered that uses contrast, either from within the radiology package or within CPRS, an order check will be displayed if there is contrast media allergy data on file either locally or remotely.

Patch OR*3*267 includes updates to enhance the order check display and should be installed at the same time as patch GMRA*4*37. However, these patches can be installed independently of each other without any adverse effect.

OR*3*267 - Remote Contrast Media Order Checking

This purpose of this patch is to implement changes related to CONTRAST MEDIA order checking. The specific changes occur in the OE/RR EXPERT SYSTEM in order to allow the display of the designation for the facility on the order checks when an allergy is found to be against a remotely recorded allergy.

GMRA*4*36 - Eliminate Originator Delete

Previously, if a user edited an existing allergy in VISTA that had the ORIGINATOR SIGN OFF (15) field in the PATIENT ALLERGIES (120.8) file set to "no," the user would be given the option to delete the entry.

With the Health Data Repository (HDR) now in place for allergies, deletions of data that are already part of the HDR cannot be allowed. As a result, any existing allergy that hasn't been "signed off" will be marked entered in error if the user chooses to "delete" the entry.

In a previously released patch, a post-installation routine identified allergy entries that should have been auto-verified but weren't, due to a logic issue. Those entries were then auto-verified as they should have been. When those entries were auto-verified, the ORIGINATOR SIGN OFF (15) field in the PATIENT ALLERGIES (120.8) file should have been set to yes.

A post-install routine, GMRAY36, has been added to this patch to identify and fix any auto-verified allergies that have the ORIGINATOR SIGN OFF (15) field set to "no."

The post-install will also review existing allergy entries to make sure that the ALLERGY TYPE (3.1) field in the PATIENT ALLERGIES (120.8) file is consistent with its corresponding entry in the GMR ALLERGIES (120.82) file. Prior to this patch, any changes to the ALLERGY TYPE (1) field in GMR ALLERGIES (120.82) file made by the standardization team would not have updated existing patient allergies. The ALLERGY TYPE (1) field in the GMR ALLERGIES (120.82) file has also been updated to include a new style cross-reference that will now update existing patient allergies, should the value change. The new style cross-reference will be added during the post-install.

The post-install will also make sure that the name of the reactant that is stored in the PATIENT ALLERGIES (120.8) file matches the name of the reactant from the GMR ALLERGIES (120.82) file. Prior to standardization, it was possible for a site to change the name of a locally entered allergy without that change updating existing allergies. The post install will check existing allergies associated with the GMR ALLERGIES (120.82) file and make sure the reactant field matches the name of the allergy.

The post-install will also identify any patient allergies that are associated with an entry from the GMR ALLERGIES (120.82) file that is inactive and convert it to a free text entry.

Finally, the post-install will check for patient allergies that are associated with the DRUG (50) file. While the DRUG (50) file may no longer be selected from, there are pre-standardization entries that may be pointing to locally created entries in the DRUG (50) file that did not have ingredient and/or drug class information. In cases where the entry doesn't have appropriate drug information, the allergy will be converted to a free text entry.

A mail message will be sent to the installer indicating the total number of entries that were converted to free text. When patch GMRA*4*29 is installed, most of the entries that were converted to free text will be automatically updated to a standardized term. As

a result, you do not need to take any action on the newly created free text entries at this time.

This patch updates the GMR ALLERGIES (120.82) file so that the DRUG INGREDIENTS (4) multiple will only allow primary ingredients to be selected. The DRUG INGREDIENTS (2) multiple in the PATIENT ALLERGIES (120.8) file has had this restriction for quite some time. This update will get them in synch. As the GMR ALLERGIES (120.82) file is standardized, this change has effectively been in place since standardization, but this will assure compliance.

This patch also fixes the problem where a user may have been asked the "have the ID BANDS been marked" question more than once when entering or verifying allergies in the roll-and-scroll environment.

During internal testing, it was noted that in the roll-and-scroll package, when the user is asked "does the patient have any known allergies or adverse reactions," an entry is created in the ADVERSE REACTION ASSESSMENT (120.86) file before the question is asked. If the user hits return or enters an "^," the entry is then deleted from the file. This causes unnecessary traffic to the HDR. The entry is now created after the question is answered by the user.

GMRA*4*35 - Possible Problem with List by Location Unassessed
When a user ran the report List by Location of Undocumented Allergies [GMRA PRINT-PATIENTS NOT ASKED] option, the listing showed a patient that had allergies, were auto-verified, and should not have shown up on the list.

Resolution:

A notation message was added to the code to further help the user in how to run the report:

"Please note! This report will show patients as not having received an assessment if the assessment was entered after the end date of the range. For this reason, it is recommended to end the range with today. This can be done with an entry of 'T' (for Today) at the 'Enter END Date (time optional): T//' prompt.

Remedy Ticket: HD67868 - ALX-0204-70164 - Possible problem with List by Location Unassessed Allergies

GMRA*4*34 - Update to HL7 Messages
In patch GMRA*4*23, routines were distributed to send HL7 messages containing allergy data to the Health Data Repository (HDR). This patch adds a check for HL7 control characters that are embedded in text type data elements in the HL7 message and converts these control characters to the correct HL7 Escape Sequence.

NOTE You must suspend the VDEF Request Queue before installing this patch and then re-enable it after installation of the patch. The steps for doing that are outlined in the installation instructions.

GMRA*4*31 - Check for Compiled Cross-references in File 120.8
In preparation for the installation of the data standardization related patches, sites needed to check to see if file 120.8 compiled cross-references.

Patch GMRA*4*23, which installed the necessary data dictionary updates in support of the allergies data standardization, added some new cross-references to file 120.8.

In some cases, sites may have compiled the cross-references on file120.8. If that is the case, then the cross-references that will be added by patch GMRA*4*23 won't be executed as a result of the compilation of the existing cross-references.

In general, the only sites that will have this problem are integrated sites. In some cases, during the integration of the site's database, the cross-references for file 120.8 may have been compiled. In order to ensure that file 120.8 does not have compiled cross-references this informational patch was provided to give directions on how to identify and fix this issue if it existed on a local system.

GMRA*4*30 - Prevent Deceased Patients from Appearing on Report
This patch addresses Remedy ticket HD67463, where deceased patients are appearing on the Patient Not Asked Report [GMRA PRINT-PATIENTS NOT ASKED]. The sites use this report to identify patients who have not had an allergy/adverse reaction assessment. The sites then follow up with the patients on the list to get the allergy information. By preventing deceased patients from appearing on this list, the sites will not be attempting to contact the family of a deceased individual for this assessment.

GMRA*4*29 - Automated Clean Up of Free Text Allergies
This patch will find all active free text allergies and will update the entry in one of three ways.

1. If the free text term is found in the conversion matrix, then the term will be updated to the associated term from the matrix. The conversion matrix is loaded into the ^XTMP global when the patch is installed and is used to determine if there is an update that can be done.

2. If the free text term is not found in the matrix or if the term to update to would cause a duplicate term, then the free text term is updated to include the phrase (FREE TEXT) after the term. This will now serve as a visual cue that the term is a free text term and will not be considered during order checking.

3. Finally, if the matrix indicates that the term is an erroneous term, then the allergy will be marked as entered in error.

When the post-install has reviewed all active free text allergy terms, a mailman message will be sent indicating the outcome of the conversion. The report will include the number of entries that were updated and will also report any entries that couldn't be updated and why that entry couldn't be updated.

Upon completion of the update, the allergy free text utility can be used to review the remaining free text entries for manual updating.

For more information about patch 29, see the VistaU CPRS Monthly Teleconference February 2007 presentation:
REDACTED

GMRA*4*27 - Allergy Order Check Does Not Fire for Contrast Media

PSI-05-054 documents a patient safety issue due to allergy bulletin not being fired if the contrast media has a VA DRUG CLASS of DX109. Ticket is HD99674.

This patch corrects the problem.

GMRA*4.0*25 - Blank Sign/Symptom Problem

Patient Safety Issue - PSI-05-049 identifies a problem where an allergy may be stored without the corresponding drug classes or drug ingredients. As a result, order checking may not occur as expected.

In version 25 of the GUI, a change was made to the way allergies are entered. When the list of signs/symptoms is displayed on the form, the site's top ten entries are listed first and then there's a space and a dashed line and another space. It's possible for the user to accidentally select the dashed line or the space as a sign/symptom. When this happens, the system fails when attempting to store the allergy data.

With this update, the allergy package will no longer attempt to store non-existent signs/symptoms.

This patch also contains a post-installation routine that will attempt to identify any allergies that may not have been saved correctly. Upon completion of the post-install, a report will be generated listing any patients and their associated allergies that need to be reviewed. In general, the best course of action is to mark the existing allergy as entered in error and then re-enter the allergy information to make sure all required data is accounted for.

GMRA*4*24 Update HDR Trigger Code

The logic used to determine when messages should be sent to the HDR is updated in this patch. If the patient is a test patient or if a patient merge is occurring at the site, the allergy data will no longer be sent to the HDR.

GMRA*4.0*23 - HDR/DS Changes

This patch introduces the changes necessary to standardize the data stored in the allergy package. Standardized data is necessary for inclusion in the Health Data Repository (HDR).

In addition, this patch introduces two new cross-references and a new Application Programmer Interface (API) that will allow changes to existing reactant terms to propagate through existing allergy entries in the PATIENT ALLERGIES file (120.8).

The GMR ALLERGIES file (120.82) and the SIGNS/SYMPTOMS file (120.83) are being standardized. As a result of standardization, sites will no longer be allowed to add or edit entries in either of these files. In addition, users will no longer be able to add "free text" signs /symptoms.

The data standardization team has reviewed existing local entries at the sites and has added those terms to files 120.82 and 120.83 as appropriate. Requests for new terms will be made via the New Term Rapid Turnaround (NTRT) process. If approved, the new term will be sent to all sites for inclusion in file 120.82 or 120.83. For more information on this process, see these websites:

- Standards and Terminology Project Website:

REDACTED
- NTRT Program website.

REDACTED
In addition to the updates to files 120.82 and 120.83, existing active entries in file 120.8 need to be updated to use standard reactants. In a previous allergy patch, a utility was distributed that identified free text entries. The utility also included options that allowed the user to fix these entries by either updating them or marking them as entered in error.

GMRA*4.0*21 - Removal of Allergies as Orders

Free-text allergies may no longer be entered through CPRS. At sites that have installed OR*3.0*195, OR*3.0*216, and GMRA*4.0*21, CPRS users can no longer enter allergies and adverse reactions as orders that are placed in the *ORDERS* file, and allergies do not appear on the Orders tab. Patch OR*3.0*216 includes a post-installation routine that changes the status of all active allergy orders to complete and, therefore, removes the allergy orders from the Orders tab.

In addition, users can no longer select OTHER ALLERGY/ADVERSE REACTION as a type of causative agent, nor can they select OTHER REACTION as a type of sign/symptom. Changes to the ART package have eliminated these items as choices. These changes mark a continuing effort to end free-text and unspecific entries.

CPRS GUI 24 introduced a dialog through which users can request that a causative agent be added to their site's *ALLERGIES* file. Users access this dialog via a warning that pops

up when they attempt to enter a free-text causative agent. The warning dialog asks users to indicate by clicking either its YES or NO button, if they want to send a causative-agent inclusion request. In CPRS GUI 24, the default button was YES. In this version, the default button is NO. Furthermore, when users click the system X button (located in the top right-hand corner of each screen) to exit any of the screens that comprise the inclusion-request dialog, CPRS now cancels the request action.

No Known Allergies (NKA)

It is now possible to delete an assessment of NKA from within the ART package. When you select a patient for entering/editing allergies and that patient doesn't have any active allergies on file, the "Does this patient have any known allergies or adverse reactions?" prompt is presented to you. If the patient has no assessment, there is no default answer. If the patient has been assessed as NKA, the default is NO. In the case where the default answer is NO (meaning, the patient is NKA), you may enter an @ sign to indicate that the assessment should be deleted and the patient should be returned to the 'not assessed' state. This would be used in those rare cases where an assessment is erroneously assigned to the wrong patient.

GMRA*4*20 - Allergy Data Updates

Patch 20 expands the utility to identify ingredient-based allergies as well as drug class-based allergies. The site can then take the same two actions on those lists as it can on free text.

This utility does NOT automatically match any entry to a "better" entry, nor does it suggest better entries. It's simply a tool for identifying allergies that may be problematic and allows you to take action on them.

Another patch, GMRA*4*29, will automatically update existing free-text entries to entries identified as being the best match for the free-text term. Once patch 29 runs, the sites will still have entries in their free-text list, because the automated cleanup cannot get all of them.

Sites currently have the ability to identify and fix free-text entries. The purpose of the automated cleanup is to do the majority of the work for the sites that haven't begun working on the cleanup. Those sites will still need to fix the remaining free-text entries, as well as review the ingredient and drug class-based allergies for possible repair.

A new mail group, GMRA REQUEST NEW REACTANT, was added with patch 17. Sites should populate this mail group with the people responsible for addressing requests to add new reactants. If users attempt to enter a reactant that is not found during the look-up process, they are asked if they would like to send an email requesting the addition of the new reactant. The request can then be reviewed for accuracy and new local entries can be added, if appropriate. Previously, users were asked if they wanted to add the new entry and it was immediately available in the patient's record. Under the new system, the mail message that's sent to the user now indicates in the text the name of the reactant that has not been added to the record.

Order Checking

Remedy tickets 67740, and 117610, as well as Patient Safety Issues PSI-03-050 and PSI-05-075, describe situations where order checks did not fire, due to the fact that only ingredient information was stored with the patient allergy. While this patch will not stop a user from selecting from the ingredient file while entering an allergy, it does give the site a tool to identify and fix entries that are associated with an ingredient file entry.

When reactants are selected from either the ingredient or drug class files, only that specific piece of information is stored with the patient's allergy. Order checking looks at both the ingredients and the drug classes when determining if an order check should be activated. Therefore, reactants should be selected from either the GMR ALLERGY file or one of the pharmacy drug-related files, to increase the likelihood of producing an order check. The order in which the files are searched when looking for reactants was altered in patch GMRA*4*23 so that the ingredient and drug class files are at the bottom. This change helps promote selection from files that include both ingredients and drug classes as part of the definition of the reactant. The ingredient and drug class files are still available to choose from, as there are times when selection from one of these files is the best choice.

Progress Note Updates

The progress note that is sent when an allergy has been marked as entered in error has been updated to clarify that the reactant may have been entered in error or may have been found to no longer be an allergy or adverse reaction for the patient. Previously, when a patient's allergy was marked entered in error (in the roll-and-scroll environment), if the patient didn't have a location associated with them, you were asked for a location. If you didn't answer that question, a progress note wasn't filed. With the update, the location question isn't asked.

The progress note will include a statement similar to the following:
The adverse reaction to X was removed on --/--/--. This reaction was either an erroneous entry or was found to no longer be a true adverse reaction.

The message notes whether the entry being marked entered in error is an adverse reaction or an allergy, so the text will change depending on how the entry was entered.

Top Ten Sign/Symptom List Update

This patch also includes a post-installation routine that will review the site's "top 10" sign/symptom list to make sure it only has 10 entries. In a previously released patch, additional sign/symptoms may have been added at positions 11 or higher. The site is unable to delete or edit these entries and the user never sees these entries as possible choices when adding signs/symptoms. However, when NTRT updates are sent out, it is possible to get an email message telling you that an entry on the top 10 list is now inactive and that you must update the entry. As stated above, you have no way to do that and entries above number 10 shouldn't be part of the definition. This post-install will remove any entries numbered 11 or higher.

Invalid Pointers Check

The post-install also identifies any allergies with an invalid pointer in the GMR ALLERGY field of file 120.8. If invalid data is found the entry is converted to a "free text" entry and an email message with information related to that allergy is sent to the installer after the post-install finishes. The allergy clean-up utility can then be used to fix the entry.

The line "no active orders" was also added in the order checking segment of the utility, so you'll be aware that the check was made, and the patient had no active orders.

CPRS Changes Affecting ART

PATCH OR*3*233

Support for Allergy Synonyms – Allergy synonyms, if present, are now included in the SIGNS/SYMPTOMS selection box. This is included in patch OR*3*233, which will be distributed with GMRA patch 23.

CPRS GUI 26

- **Marking Allergies as Entered in Error Now Controlled by Parameter** - In CPRS v25, any user could enter new allergies, mark a patient as NKA (no known allergies), and mark allergies entered in error from the cover sheet and the detailed display window. In v.26, the Entered in Error option requires the new parameter OR ALLERGY ENTERED IN ERROR to be enabled for the user. The other options remain open to all users as before.

- **Free-Text Signs and Symptoms No Longer Allowed** – To support of data standardization efforts, developers removed the ability to enter free-text signs/symptoms. Users must now select items from the list of available signs/symptoms.

- **Inconsistent Sending of Bulletin for Marked on Chart** – CPRS always sent the "Marked on Chart" bulletin if the user entered an allergy from the Orders tab. CPRS never sent the bulletin if the user entered the allergy from the Cover Sheet. This inconsistency has been corrected, and CPRS will never send the bulletin when the user enters a new allergy.

- The "Bulletin has been sent" message that CPRS displays after the user requests the addition of a new causative agent now includes the same warning included in the bulletin about that reactant not being added to the patient's record.

Use of ART within CPRS is primarily described in CPRS documentation, but some examples are provided in this manual.

Overview to ART

The objective of Allergy Reaction Tracking (ART) is to track and report patient allergy and adverse reaction data. This is accomplished through three interfaces:

1. ART menus and options within character-based VistA
2. Character-based CPRS
3. CPRS GUI

ART Package Components

The four major components of the ART package are:

1. Data Entry Options - Adverse Reaction Tracking has two options where a user can enter data.

   a. Enter/Edit Patient Reaction Data - This option allows the clinical users (i.e., doctors, nurses, other clinicians and clerks) to enter data into ART.

   b. Verify Patient Reaction Data - This option allows the verifiers designated by ART to verify the correctness of data entered by the clinical users into ART. This option does NOT perform evaluation of suspected Advanced Drug Reactions (ADR) as described in Section 5.a.(2).(d) of Directive 10-92-070.

2. Reporting options - These options report the patient causative agent data to you via a print option. Also, this data is made available to other software applications via a data extract utility.

3. Enter/Edit Site Configurable Files - This menu allows the various site configurable files to be modified to allow ART to better meet the needs of an individual site.

4. Adverse Drug Reaction (ADR) options - These options support implementation of Directive 10-92-070. It allows for the evaluation of a suspected ADR by a qualified individual (e.g., clinical pharmacist, clinical pharmacologist) other than the attending physician, as specified in Section 5.a.(2).(d) of Directive 10-92-070. This component also generates the reports needed by the FDA.

There are four major users of the software:

1. Clinical Users - These are the doctors, nurses, other clinicians, and clerks entering the data into ART. They are required to enter data pertinent for a particular allergy/adverse reaction. If the allergy/adverse reaction was observed at the site, data pertaining to any possible legal action could be tracked. This data would then be made available to users of any service using the Reporting options, thus avoiding any errors in care. Two other data elements that are tracked are the date/time that the patient chart was marked and the date/time that the patient ID

band was marked, indicating the patient's reaction to the particular causative agent. Automated mail bulletins are sent to the appropriate users when the date/time patient chart marked data field has not been recorded.

2. Verifiers - These are designated users by the site who verify the correctness of the data in ART. The verifiers are designated when the Information Resources Management Service (IRM) allocates the GMRA-ALLERGY VERIFY security key to a user and assigns the ART Verifier Menu. The verifiers may be clinical pharmacists, dietitians, or other clinical personnel. Automated mail bulletins will be sent to the ART verifiers when an allergy/adverse reaction has been entered and signed (completed) by a user. Verification may be important in observed instances of adverse drug reactions where a Quality Assurance (QA) investigation may be conducted. In general, it is a good principle to have someone verify all of the data entered into ART.

3. Pharmacy and Therapeutics (P&T) Committee users - These users are the members of the hospital's P&T Committee and are assigned the P&T Committee Menu option. They will use the information in ART to review ADRs in the hospital, classify them as significant reactions, and determine whether they are related to particular drugs, and depending on the severity of the ADR, may report it further to the FDA. A printed copy of the form used to report to the Food and Drug Administration (FDA) can be generated by ART. Automated mail bulletins will be sent to the P&T Committee users when an observed drug reaction is entered into the system.

4. Software developers - These users will use the data extract utility (GMRADPT routine) to gather ART data for display within their specific VistA application.

Package Management

This package does not impose any additional legal requirements on you, nor does it relieve you of any legal requirements. All users are reminded that many of the reports and mail bulletins generated by this package contain confidential patient information, which is protected by the Privacy Act. A basic knowledge of VistA is presumed for most users of the software. The Application Coordinator (ADPAC) should have more than a basic knowledge of VistA and the needs of a clinical environment.

Security Keys

The software does contain two security keys. The GMRA ALLERGY VERIFY key is needed to verify allergy/adverse reactions. The GMRA SUPERVISOR key should be given only to those users who have the authority to override the software's security in order to edit data.

The software itself does not prompt for a user's electronic signature. However, it does contain a programming interface with the Progress Notes package in order to create, edit, and sign progress notes. The Progress Notes software does prompt you for an electronic signature.

GMRA Update Resource

ADI (Allergy Domain Implementation/Data Standardization) uses a resource device to control the updating of existing patient allergies. When changes are made to existing allergy definitions in file 120.82, all associated patient allergies in file 120.8 are updated to match the new definition of the entry from 120.82. The resource device controls the updating process. Because of the way the updates are implemented, the resource device needs to manage the updates one at a time. As a result, the resource slots field is set to **one** and should not be changed.

Mail Bulletins

The software generates mail bulletins when certain events happen and sends a bulletin to a specified mail group. The mail groups are:

1. GMRA MARK CHART - This mail group includes users responsible for verifying that ART information is correctly entered in the patient chart. The mail group also includes users who should be notified that the ID Band needs to be updated. The ID Band message states that "The ID band for the following patient needs to indicate that the following Allergy/adverse reaction has been reported."

2. GMRA VERIFY DRUG ALLERGY - A list of all verifiers who will need to be sent drug reaction information.

3. GMRA VERIFY FOOD ALLERGY - A list of all verifiers who will need to be

sent food reaction information.

4. GMRA VERIFY OTHER ALLERGY - A list of all verifiers who will need to be sent other types of reaction information (i.e., not drug or food).

5. GMRA P&T COMMITTEE FDA - A list of the members of the Pharmacy and Therapeutic (P&T) Committee.

6. GMRA REQUEST NEW REACTANT - When adding a new allergy entry, you are prompted for the reactant. If you cannot find a reactant to match your input, then you are given the option to send an email message requesting that the new reactant be added.

7. ADVERSE ALLERGY WARNING – A list of providers to notify if the VA Drug Class field (#3) in the Patient Allergies File (#120.8) is empty. If not present, this MailMan group is created during the post installation routine for patch GMRA*4.0.50.

Contact the ADPAC or IRM support staff if you need to be a member of one of these mail groups.

Package Operation

Adverse Reaction Tracking (ART) can be used through CPRS – both the GUI and List manager interfaces, and through GMRA options in character-based VistA. This manual primarily describes the latter use, but also briefly describes the use in CPRS.

Within the character-based VistA, the ART software includes six menus to assist users in tracking and reporting allergy/adverse reaction data:

1. Adverse Reaction Tracking [GMRAMGR] - This is the top-level menu. It should be given to the package's ADPAC and/or IRM support person.

2. Adverse Reaction Tracking User Menu [GMRA USER MENU] - This menu can be assigned to clerks who will enter adverse reaction data.

3. Adverse Reaction Tracking Clinician Menu [GMRA CLINICIAN MENU] - This menu can be assigned to clinicians who will use the package.

4. Adverse Reaction Tracking Verifier Menu [GMRA VERIFIER MENU] - This menu should be assigned to users who will verify adverse reaction data.

5. P&T Committee Menu [GMRA P&T MENU] - This menu can be given to Pharmacy and Therapeutic Committee members.

The rest of this chapter describes the menus and options. Also, examples of each option are given.

Adverse Reaction Tracking [GMRAMGR]

This is the main menu that has all options of the Adverse Reaction Tracking System. This menu should only be given to the ART Applications Coordinator (ADPAC) and/or IRM support personnel.

1. Enter/Edit Site Configurable Files [GMRA SITE FILE MENU]
2. Adverse Reaction Tracking User Menu [GMRA USER MENU]
3. Adverse Reaction Tracking Clinician Menu [GMRA CLINICIAN MENU]
4. Adverse Reaction Tracking Verifier Menu [GMRA VERIFIER MENU]
5. P&T Committee Menu [GMRA P&T MENU]

Enter/Edit Site Configurable Files

This is a menu of the various options that the site can use to tailor ART to better meet its needs. This menu should be used by the ADPAC or IRM Support Staff only.

NOTE: The GMR ALLERGIES file (#120.82) and the SIGNS/SYMPTOMS file (#120.83) have been standardized. As a result of standardization, sites are longer allowed to add or edit entries in either of these files. In addition, users will no longer be able to add free-text signs/symptoms. The ability to add free-text reactants was removed by a previous allergy patch.

The data standardization team has reviewed existing local entries at the sites and has added those terms to files #120.82 and #120.83 as appropriate. Requests for new terms are made via the New Term Rapid Turnaround (NTRT) process. If approved, the new term will be sent to all sites for inclusion in file #120.82 or #120.83.

The options on this menu are still available but will not allow entries; this was done to further emphasize the changes to the application.

1. Edit Allergy File
2. Enter/Edit Signs/Symptoms Data
3. Enter/Edit Site Parameters
4. Sign/Symptoms List
5. Allergies File List
6. Allergy clean up utility
7. Assessment clean up utility

Edit Allergy File
Enter/Edit Signs/Symptoms Data

The GMR ALLERGIES file (#120.82) and the SIGNS/SYMPTOMS file (#120.83) are standardized. As a result of standardization, sites are longer allowed to add or edit entries in either of these files. In addition, users will no longer be able to add "free text" signs/symptoms.

Enter/Edit Site Parameters

The Enter/Edit Site Parameters [GMRA SITE FILE] option allows site configuration for multiple divisions at the site. The software provides a generic site configuration entry called HOSPITAL. These parameters are stored in the GMR Allergy Site Parameters file (#120.84).

The site can configure the following:

1. The list of the ten most common signs/symptoms that you will see.

2. The autoverification of data. Autoverification is the process by which the software automatically changes the status of the data to verify when you who entered the data signs off (completes) on it. The site can determine which of the types of reactions are to be autoverified and which are to follow the normal verification procedure. There are three parameters used to autoverify data: Autoverify Food/Drug/Other, Autoverify Observed/Historical, and Autoverify Logical Operator. The verification of data is important. Minimally, all drug reactions will need verification. Depending on the site, food and other allergies may also need to be verified. Users who will verify the data must have the GMRA-ALLERGY VERIFY security key.

3. Whether the originator of the data should provide comments.

4. Whether the site documents the marking of a patient's ID band or chart to indicate the presence of an allergy/adverse reaction. There are three parameters with regards to this documentation: Mark ID Band Flag Method of Notification, Alert ID Band/Chart Mark, and Send Chart Mark Bulletin for New Admissions.

5. FDA reporting data. The site can choose to require you to enter FDA data at the time a reaction is entered. Also, the site may edit the reporter information that will appear on the FDA Adverse Reaction reports.

6. Whether to allow comments to be added to the reaction data that is entered in error. This allows you to indicate why the data is incorrect.

Example:

```
Select Enter/Edit Site Configurable Files Option: 3  Enter/Edit Site Parameters
Select GMR ALLERGY SITE PARAMETERS NAME: ??
   HOSPITAL

        You may enter a new GMR ALLERGY SITE PARAMETERS, if you wish
        This field is the name of this set of parameters.  The name of the base
        set that is sent out is "HOSPITAL".  The code will work more efficiently
        if the name of the base set of parameters is not changed from "HOSPITAL"
.

Select GMR ALLERGY SITE PARAMETERS NAME: HOSPITAL
NAME: HOSPITAL// (No editing)
Select DIVISION: ?
    Answer with DIVISION
   Choose from:
   VAMC ONE
   VAMC TWO
   VAMC THREE

        You may enter a new DIVISION, if you wish

 Answer with INSTITUTION NAME, or STATUS, or STATION NUMBER, or
     OFFICIAL VA NAME, or CURRENT LOCATION, or CODING SYSTEM/ID PAIR, or
     NAME (CHANGED FROM), or CODING SYSTEM
 Do you want the entire INSTITUTION List? N  (No)
Select DIVISION: VAMC ONE

The following are the ten most common signs/symptoms:
 1. CHILLS                         6. DIARRHEA
 2. ITCHING,WATERING EYES          7. HIVES
 3. HYPOTENSION                    8. DRY MOUTH
 4. DROWSINESS                     9. DRY NOSE
 5. NAUSEA,VOMITING               10. RASH
Enter the number of the sign/symptom that you would like to edit: ??
    ENTER THE CORRECT NUMBER (1-10) OF THE SIGN/SYMPTOM TO BE EDITED
Enter the number of the sign/symptom that you would like to edit: 6
REACTION: DIARRHEA// ??

        One of the ten most commonly selected reactions.


   Choose from:
   AGITATION          NATIONAL SIGN/SYMPTOM
   AGRANULOCYTOSIS        NATIONAL SIGN/SYMPTOM
   ALOPECIA          NATIONAL SIGN/SYMPTOM
   ANAPHYLAXIS         NATIONAL SIGN/SYMPTOM
   ANEMIA          NATIONAL SIGN/SYMPTOM
   ANOREXIA          NATIONAL SIGN/SYMPTOM
   ANXIETY          NATIONAL SIGN/SYMPTOM
   APNEA          NATIONAL SIGN/SYMPTOM
   APPETITE,INCREASED          NATIONAL SIGN/SYMPTOM
   ARRHYTHMIA          NATIONAL SIGN/SYMPTOM
   ASTHENIA          NATIONAL SIGN/SYMPTOM
   ASTHMA          NATIONAL SIGN/SYMPTOM
   ATAXIA          NATIONAL SIGN/SYMPTOM
   ATHETOSIS          NATIONAL SIGN/SYMPTOM
   BRACHYCARDIA          NATIONAL SIGN/SYMPTOM
   BREAST ENGORGEMENT          NATIONAL SIGN/SYMPTOM
   BRONCHOSPASM          NATIONAL SIGN/SYMPTOM
```

```
     CARDIAC ARREST          NATIONAL SIGN/SYMPTOM
     CHEST PAIN          NATIONAL SIGN/SYMPTOM
                   ^
REACTION: DIARRHEA// AGITATION          NATIONAL SIGN/SYMPTOM


The following are the ten most common signs/symptoms:
 1. CHILLS                              6. AGITATION
 2. ITCHING,WATERING EYES              7. HIVES
 3. HYPOTENSION                         8. DRY MOUTH
 4. DROWSINESS                          9. DRY NOSE
 5. NAUSEA,VOMITING                    10. RASH
Enter the number of the sign/symptom that you would like to edit: <Enter>
AUTOVERIFY FOOD/DRUG/OTHER: NO AUTOVERIFY// ??
        This field determines which types of allergies a site wants autoverified
        at you sign off.

      Choose from:
        0          NO AUTOVERIFY
        1          AUTOVERIFY DRUG ONLY
        2          AUTOVERIFY FOOD ONLY
        3          AUTOVERIFY DRUG/FOOD
        4          AUTOVERIFY OTHER ONLY
        5          AUTOVERIFY DRUG/OTHER
        6          AUTOVERIFY FOOD/OTHER
        7          AUTOVERIFY ALL
AUTOVERIFY FOOD/DRUG/OTHER: NO AUTOVERIFY// <Enter>
AUTOVERIFY OBSERVED/HISTORICAL: NO AUTOVERIFY// ??
        This field is configurable by the site to allow autoverification of
        observed or historical allergies.

      Choose from:
        0          NO AUTOVERIFY
        1          AUTOVERIFY HISTORICAL ONLY
        2          AUTOVERIFY OBSERVED ONLY
        3          AUTOVERIFY BOTH
AUTOVERIFY OBSERVED/HISTORICAL: NO AUTOVERIFY//
AUTOVERIFY LOGICAL OPERATOR: OR// ??
        This field will determine how the Autoverify Food/Drug/Other and
        Autoverify Observed/Historical parameters relate to each other.  OR means
        that the reaction will be autoverified if it meets the criteria of one of
        the two parameters, while AND means the reaction will be autoverified only
        if it meets the criteria of both parameters.  If this field is left null,
        the OR condition will be used.

        For example, if you want to verify only observed drug reactions, you would
        set the Autoverify Food/Drug/Other parameter to AUTOVERIFY FOOD/OTHER
        and the Autoverify Observed/Historical to AUTOVERIFY HISTORICAL ONLY, and the
        Autoverify Logical Operator to OR.  This means that a reaction that has
        a type of Food/Other OR is Historical will be autoverified, thus leaving
        observed drug reactions to be verified.

        Another example would be if you wanted to verify all observed reactions
        and all drug reactions whether observed or historical.  The parameters
        should be set accordingly:  Autoverify Food/Drug/Other to AUTOVERIFY
        FOOD/OTHER, Autoverify Observed/Historical to AUTOVERIFY HISTORICAL ONLY and
        Autoverify Logical Operator to AND.  In this case to be autoverified, a
        reaction has to have a type of Food/Other AND it must be Historical, all
        other reactions will need to be verified.

      Choose from:
        !          OR
        &          AND
AUTOVERIFY LOGICAL OPERATOR: OR// <Enter>
```

```
REQUIRE ORIGINATOR COMMENTS: NO// **??**
        This field indicates whether the originator will be required to enter
        comments for an OBSERVED reaction.

     Choose from:
       0         NO
       1         YES
REQUIRE ORIGINATOR COMMENTS: NO// **<Enter>**
MARK ID BAND FLAG: YES// **??**
        This field is an indicator to denote whether the site wants
        to document if the patient ID band should be marked for
        a certain allergy.
        The system will assume the site wants to document the marking of inpatient
        ID bands.  If this field is answered NO, the site does not want to
        document the marking of inpatient ID bands.

     Choose from:
       0         NO
       1         YES
MARK ID BAND FLAG: YES// **<Enter>**
METHOD OF NOTIFICATION: BULLETIN// **??**
        This field tells ART if or how users should be notified for chart
        or ID band markings.  There are three methods. The first method is the
        use of BULLETINs,  which is the current way ART works.  The
        second method is the use of OE/RR Teams.  If this method is used, then
        you will need to set up different teams for each ward and also assign
        printers to these teams.  The third method is to turn off the function.

     Choose from:
       0         BULLETIN
       1         OE/RR TEAMS
       2         NO NOTIFICATION
METHOD OF NOTIFICATION: BULLETIN// **<Enter>**
ALERT ID BAND/CHART MARK: YES// **??**
        This field is to let the system know if you want to issue alerts
        if the fields have not been answered in the Enter/Edit Patient Reaction
        Data portion of the system.  If the field is answered yes(1) or is null
        then, the system will continue to issue the alerts.  If this field is
        no(0), then the system will not issue alerts for this record.

     Choose from:
       1         YES
       0         NO
ALERT ID BAND/CHART MARK: YES// **<Enter>**
SEND CHART MARK BULLETIN FOR NEW ADMISSIONS: YES// **??**
        This is to indicate if the site wants to send chart mark bulletin
        for a new admission.

     Choose from:
       1         YES
       0         NO
SEND CHART MARK BULLETIN FOR NEW ADMISSIONS: YES// **<Enter>**
FDA DATA REQUIRED: YES// ??
        This field will indicate whether the entry of FDA Data should be required
        during the Enter/Edit Patient Reaction Data.  If this field is answered "YES",
        then you must enter the FDA Data at the time of entering a reaction.
        If this field is left null or answered "NO", then the FDA Data entry will
        not be required during the Enter/Edit Patient Reaction Data option.

     Choose from:
       y         YES
       n         NO
FDA DATA REQUIRED: YES// **<Enter>**
```

Adverse Reaction Tracking V4.0

```
ENABLE COMMENTS FIELD FOR REACTIONS THAT ARE ENTERED IN ERROR: NO
         // ??
         Permit users to indicate why a reaction was Entered in Error.

      Choose from:
        1         YES
        0         NO
ENABLE COMMENTS FIELD FOR REACTIONS THAT ARE ENTERED IN ERROR: NO
         // <Enter>

REPORTER NAME:
      ADDRESS:
         CITY:
        STATE:
          ZIP:
        PHONE:
   OCCUPATION:
Do you want to edit Reporter Information shown above? No// <Enter>  (No)

    1        Edit Allergy File
    2        Enter/Edit Signs/Symptoms Data
    3        Enter/Edit Site Parameters
    4        Sign/Symptoms List
    5        Allergies File List
    6        Free text allergy clean up utility

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

Select Enter/Edit Site Configurable Files Option:
```

NOTE: These "Reporter" data fields contain the site's default values that will appear on the FDA adverse reaction reports. This information may be left blank. You will be prompted for the reporter information when creating an FDA report.

Sign/Symptoms List

This option lets you print a list of entries in the Sign/Symptoms file (#120.83). You may print all entries by accepting the default value (FIRST) at the "Name" prompt or may select a subset of entries. The listing includes the name of the sign/symptom, whether it is a nationally distributed entry or a locally created entry, and any of its synonyms. This option is meant to be a useful tool for ADPACs in maintaining the Sign/Symptoms file.

Example:

```
Select Enter/Edit Site Configurable Files Option: 4 Sign/Symptoms List
START WITH NAME: FIRST// <Enter>
DEVICE: (Enter a printer name for a hard copy or <Enter> to bring the
output to your screen)

SIGN/SYMPTOMS LIST                       JUN  8,2004  09:23    PAGE 1
NAME                          Nat'l/Local  SYNONYM
---------------------------------------------------------------------

AGITATION                     National
AGRANULOCYTOSIS               National
ALOPECIA                      National
ANAPHYLAXIS                   National
ANEMIA                        National
ANOREXIA                      National
ANXIETY                       National ANX
APNEA                         National
APPETITE,INCREASED            National
ARRHYTHMIA                    National
ASTHENIA                      National
ASTHMA                        National
ATAXIA                        National
ATHETOSIS                     National
BRACHYCARDIA                  National
BREAST ENGORGEMENT            National
BRONCHOSPASM                  National
CARDIAC ARREST                National
CHEST PAIN                    National
CHILLS                        National
COMA                          National
CONFUSION                     National
CONGESTION,NASAL              National
CONJUNCTIVAL CONGESTION       National
CONSTIPATION                  National
COUGHING                      National
DEAFNESS                      National
DELERIUM                      National
DELUSION                      National
DEPRESSION                    National
DEPRESSION,MENTAL             National
DEPRESSION,POSTICTAL          National
...
```

Allergies File List

This option prints a captioned list of all entries in the GMR Allergies file (#120.82). The list is sorted alphabetically by NAME. You may list all entries by accepting the default answer (FIRST) to the "start with" prompt or may select a subset to print. The list contains the allergy name, type, whether it is a nationally distributed entry, synonyms, if any, VA Drug Class, if applicable, and drug ingredients, if applicable. This option is meant to be a helpful tool for maintaining the GMR Allergies file.

Example:

```
Select Enter/Edit Site Configurable Files Option: 5 Allergies File List
START WITH NAME: FIRST// <ret>
DEVICE: (Enter a printer name for a hard copy or <ret> to bring the output to
your screen)

GMR ALLERGIES LIST                               MAY  4,2006  11:08    PAGE 1
--------------------------------------------------------------------------
NAME: ADHESIVE TAPE                      ALLERGY TYPE: OTHER
  NATIONAL ALLERGY: NATIONAL ALLERGY

NAME: ALCOHOL                            ALLERGY TYPE: DRUG, FOOD
  NATIONAL ALLERGY: NATIONAL ALLERGY
DRUG INGREDIENT: ALCOHOL

NAME: ANIMAL HAIR                        ALLERGY TYPE: OTHER
  NATIONAL ALLERGY: NATIONAL ALLERGY

NAME: ANISE OIL                          ALLERGY TYPE: DRUG, FOOD
  NATIONAL ALLERGY: NATIONAL ALLERGY
DRUG INGREDIENT: ANISE OIL

NAME: ANTIRABIES SERUM                   ALLERGY TYPE: DRUG, FOOD
  NATIONAL ALLERGY: NATIONAL ALLERGY
VA DRUG CLASSES: IM400
DRUG INGREDIENT: ANTIRABIES SERUM

NAME: ASCORBIC ACID                      ALLERGY TYPE: DRUG, FOOD
  NATIONAL ALLERGY: NATIONAL ALLERGY
VA DRUG CLASSES: VT400
DRUG INGREDIENT: ASCORBIC ACID

NAME: ASPARTAME                          ALLERGY TYPE: DRUG, FOOD
  NATIONAL ALLERGY: NATIONAL ALLERGY
SYNONYM: NUTRA SWEET
DRUG INGREDIENT: ASPARTAME

NAME: ASPIRIN                            ALLERGY TYPE: DRUG, FOOD
  NATIONAL ALLERGY: NATIONAL ALLERGY
VA DRUG CLASSES: MS101
DRUG INGREDIENT: ASPIRIN

NAME: AUROTHIOGLUCOSE (SESAME OIL)    ALLERGY TYPE: DRUG, FOOD
  NATIONAL ALLERGY: NATIONAL ALLERGY
```

```
SYNONYM: SOLGANAL
VA DRUG CLASSES: MS160
```

Allergy Clean Up Utility

This option was distributed with Patch GMRA*4.0*17 to help sites identify and fix allergy entries that have free-text reactants. NOTE: The name of the option has been changed from Free Text Allergy Clean Up Utility to Allergy Clean Up Utility.

After installing this patch, free-text entries were no longer allowed from within the ART package. A subsequent patch (OR*3*216) to CPRS prevented free-text entries from within CPRS as well.

Lower-case entries are also no longer allowed. Previously, lower-case entries could be added to the GMR ALLERGIES file (120.82). A patch 17 post-installation routine identified any local entries and updated the entries to upper case. Synonyms were also be checked and converted to upper case, if required.

Patch GMRA*4*20 expanded the utility to identify ingredient-based allergies as well as drug class-based allergies. The site can then take the same two actions on those lists as it can on free text.

This utility does NOT automatically match any entry to a "better" entry, nor does it suggest better entries. It's simply a tool for identifying allergies that may be problematic and allows you to take action on them.

GMRA*4*29

GMRA*4*29 automatically updates existing free-text entries to entries identified as being the best match for the free-text term. Once patch 29 runs, the sites will still have entries in their free-text list, because the automated cleanup cannot get all of them.

There were items like anti-hypertensives, beta-adrenergic agonists, cephalosporins, inhaled corticosteroids, oral contraceptives, topical steroids that didn't have an appropriate mapping and will be left as free text. These will need to be cleaned up by the sites.

If a medication was taken off of the market before the NDF was created then it will be left as free text and has not been added to the NDF such as cholera vaccine injection.

For more information about patch 29, see the VistaU CPRS Monthly Teleconference February 2007 presentation:

REDACTED

When you select free-text reactants, a list of currently existing free-text entries is displayed in alphabetical order. This list may take a few minutes to generate, as all

existing entries need to be evaluated to determine which are "free text." The list shows the name of the reactant. After the install of patch 29, the "FREE TEXT" will be appended to the reactant name, and the number of entries for that reactant. In most cases, they will be unique, but there will be some that have many entries (such as an entry for NO KNOWN ALLERGIES).

When entering the utility, any users who are currently working in the utility are listed. If users are listed as working with the utility, you will not be allowed to update the list. You can only update the list when nobody else is working in the utility.

Once the list is displayed, you can do two things:

1. Mark the entry as entered in error.
2. Update the record so that it points to a reactant selected from GMR Allergy file or one of the National Drug Files.

Tip:
Please Keep GMRA UPDATE Resource device slot set at 1. If this has been changed, updates to the Allergies files could occur out of order. If this has been changed, please contact Allergy development and the NTRT team to assess the implications at your site.

```
Select OPTION NAME: GMRA SITE FILE MENU      Enter/Edit Site Configurable Files
menu

   1       Edit Allergy File
   2       Enter/Edit Signs/Symptoms Data
   3       Enter/Edit Site Parameters
   4       Sign/Symptoms List
   5       Allergies File List
   6       Allergy clean up utility
   7       Assessment clean up utility

Select Enter/Edit Site Configurable Files Option: 6
   Select one of the following:


        1          Free Text
        2          Ingredient
        3          Drug Class

Select the list you wish to work with: 1  Free Text
Allergy clean up utility




Building list of free text allergies...this may take a




Allergy Tracking Update       Oct 27, 2003@08:17:58        Page:    1 of    1
Allergy Tracking Free Text Entries
    Reactant                                  # Active Entries
1   CEFAZOLIN SOD 1GM INJ                            1
2   Diabetes Mellitus Type II                        1
4   Penicillin                                       1
```

NOTE: When you start the utility, you may see 3 different things: 1) If the list has never been built, you'll see the message below (building list...), 2) If the list has been previously built and nobody is using the utility, you'll see a message indicating the last time the list was built and you will be asked if you'd like to rebuild the list, 3) If the list is currently being built, you'll get a message indicating that you must wait. Most times a user will see the message in number 2.

```
5    WATERMELON                                               3
┌──────────────────────────────────────────────────────────────────────┐
│              Select one or more entries                                │
├────────────────────────────────────────────────────────────────────────┤
│AE   Add/Edit Allergy File EE   Mark entered in error                   │
│DD   Detailed Display      UR   Update to new reactant                  │
│Select Item(s): Quit// ??                                               │
│                                                                        │
│AE - Local site addition and modification functions are no longer available. │
│                                                                        │
│Use EE to mark all entries within the selected group as entered         │
│in error.  You may select multiple groups if you like.                  │
│                                                                        │
│Use DD to get a detailed display.  It's highly recommended that you     │
│use the detailed display menu to make all changes.                      │
│                                                                        │
│Use UR to update the reactant.  Extreme caution should be used when doing │
│mass updates.  It would be better to do the updates from within         │
│the detailed display menu.                                              │
│                                                                        │
│Press enter to continue:                                                │
└────────────────────────────────────────────────────────────────────────┘
```

Detailed Display

The detailed display window shows the patient name and the list of currently active allergies, separated by a tilde (~). This way, you can quickly look and see if the patient already has an active allergy that is the same as the free-text entry. In this case, you would mark it as entered in error.

The "free text detailed display" action lets you see a FileMan inquiry-style listing of the free text entry for selected patient(s). You'll now be able to see the comments, reactions, and other associated information for the free text entry that you're fixing.

When doing a group update or selecting multiple patients for updating from the detailed display listing, the reactant you select for the first patient in the list will become the default for the remaining patients. The exception to that would be if you decide to not accept the default while updating one of the patients. In that case, the last chosen reactant will become the default for the next patient. The default only holds while working with a particular group. Once you select a new reactant group or a new group of patients, you must re-select the reactant. This should cut down on the amount of time needed in selecting the reactant for each patient.

1. Select the Free text allergy clean up utility [GMRA FREE TEXT UTILITY] from the GMRA SITE FILE MENU.

2. Select the number of a reactant first, and then select DD to see details about the reactant. (Alternatively, you can select the action, DD, and then select the number of the reactant.)

   NOTE: For detailed display, you can only select one group at a time.

```
GMRA SITE FILE MENU    Enter/Edit Site Configurable Files menu


   1       Edit Allergy File
   2       Enter/Edit Signs/Symptoms Data
   3       Enter/Edit Site Parameters
   4       Sign/Symptoms List
   5       Allergies File List
   6       Allergy clean up utility
   7       Assessment clean up utility


Select Enter/Edit Site Configurable Files Option: 6  Allergy clean up
Utility

   Select one of the following:


        1          Free Text
        2          Ingredient
        3          Drug Class


Select the list you wish to work with: 1  Free Text


Building list of free text allergies...this may take a few minutes


Allergy Tracking Update      Oct 24, 2003@15:09:28      Page:    1 of    1
Allergy Tracking Free Text Entries
    Reactant                            # Active Entries
1   COCA COLA SYRUP 8OZ                        1
2   Diabetes Mellitus Type II                  1
3   NO ALLERGIES                               1
4   NO KNOWN ALLERGIES                         1
5   Penicillin                                 1
6   PIZZA                                      1
7   POLLEN ANTIGEN MIX                         1

+           Select one or more entries
AE  Add/Edit Allergy File EE  Mark entered in error
DD  Detailed Display      UR  Update to new reactant
Select Item(s): Next Screen// 3
```

```
Allergy Tracking Update      Oct 24, 2003@15:09:28      Page:    1 of    1
Allergy Tracking Free Text Entries
    Reactant                            # Active Entries
1   COCA COLA SYRUP 8OZ                        1
2   Diabetes Mellitus Type II                  1
3   NO ALLERGIES                               1
4   NO KNOWN ALLERGIES                         1
5   Penicillin                                 1
6   PIZZA                                      1
7   POLLEN ANTIGEN MIX                         1

+           Select one or more entries
AE  Add/Edit Allergy File EE  Mark entered in error
DD  Detailed Display      UR  Update to new reactant

Select Item(s): Next Screen// DD   Detailed Display
```

```
Reactant Detailed Display      Oct 24, 2003@15:09:28      Page:    1 of    1
Patient listing for reactant CEFAZOLIN SOD 1GM INJ
    Patient Name                Last 4
1   ARTPATIENT,ONE              0111
Allergies: PENICILLIN VK ORAL SOLUTION~AMIKACIN~PEANUT OIL~CORTISONE~NUTS~DUST~
```

```
    STRAWBERRIES~CHICKEN~CHOCOLATE~PHENOL~HAYFEBROL SF~ASA~BILE SALTS~
    BILBERRY EXTRACT~POLLEN~POLLEN ALLERGENIC EXTRACT~
    ANTIHEMOPHILIC FACTOR,HUMAN~CEFAZOLIN SOD 1GM INJ~SHELL FISH~
    RANITIDINE


                Select a patient
EE  Entered in Error                    PR  Add/Edit Patient Reaction
UR  Update to new reactant              DD  Free Text Detailed Display
AE  Add/Edit Allergy File
Select Item(s): Quit// DD   Free Text Detailed Display
Select Entries from list: 1

PATIENT: ARTPATIENT,ONE                REACTANT: CEFAZOLIN SOD 1GM INJ
  GMR ALLERGY: OTHER ALLERGY/ADVERSE REACTION
  ORIGINATION DATE/TIME: OCT 02, 2003@14:02
  ORIGINATOR: ARTPROVIDER,ONE         OBSERVED/HISTORICAL: HISTORICAL
  ORIGINATOR SIGN OFF: YES            NATURE OF REACTION: UNKNOWN
  VERIFIED: NO                        ALLERGY TYPE: DRUG

Press return to continue or '^' to stop: <Enter>
```

Mark Entered in Error

You can mark an entire group as entered in error from this opening screen. Upon marking the reaction as entered in error, a check is made to see if there are still active reactions for the patient. If there are not any, then you are prompted to enter an updated assessment for the patient.

1. Select the Allergy clean up utility [GMRA FREE TEXT UTILITY] from the GMRA SITE FILE MENU.

2. Select the number of the reactant(s) you wish to mark as entered in error. (Alternatively, you can select the action, Mark Entered in Error, and then select the number of the reactant(s).)

```
Select Enter/Edit Site Configurable Files Option: 6  Allergy clean up
utility
    Select one of the following:


        1           Free Text
        2           Ingredient
        3           Drug Class

Select the list you wish to work with: 1  Free Text
The free text list was last built on Oct 17, 2006
Do you want to rebuild the list? NO// y
Building list of free text allergies...this may take a few minutes

Allergy Tracking Update   Oct 25, 2006@11:18:04          Page:    1 of    4
Allergy Tracking Free Text Entries
    Reactant                            # Active Entries

1   COCA COLA SYRUP 8OZ                         1
2   COLD AIR                                    1
3   Diabetes Mellitus Type II                   1
4   DOG HAIR                                    1
```

```
5    DONUTS                                          1
6    DOUGH                                           1
7    DR P'S SNAKE OIL ELIXIR                         1
8    DRUGS                                           1
9    EIEIO                                           1
10   ENCAINIDE 25MG                                  1



            Select one or more entries
AE   Add/Edit Allergy File EE   Mark entered in error
DD   Detailed Display      UR   Update to new reactant
Select Item(s): Quit// 5
```

3. Type EE for Mark entered in error, and then answer Yes to confirm that you want to mark ALL allergies as entered in error.

```
Select Item(s): Next Screen// EE    Mark entered in error

You are about to mark ALL allergies with the selected reactant
as entered in error.

ARE YOU SURE? NO// Yes
```

Update to New Reactant

You may select and update groups of entries from the opening menu; however, it is recommended that you use the detailed display option to review entries in a group before doing a mass update. ***Changes cannot be undone***! When the entry is updated, a comment is stored in the PATIENT ALLERGY file indicating who made the change, date/time of change, and a comment that indicates what the previous value was and what the new value is. In addition, the new reactant is compared against current orders and order checking information is returned, if appropriate. When a new reactant is selected, checks are made for duplicate entries and previously entered-in-error information.

NOTE: Due to the way the order checking software works, you may get "false positives." In other words, if the patient currently has an allergy order check for some other order not related to this new reactant, you may still see the order check.

Finally, the drug ingredient/drug class information is updated, if appropriate.

1. Select the Allergy clean up utility [GMRA FREE TEXT UTILITY] from the GMRA SITE FILE MENU.

2. Select a reactant number and then select the action DD.

```
Select the list you wish to work with: 1  Free Text

Building list of free text allergies...this may take a few minutes


Allergy Tracking Update        Oct 27, 2003@08:35:56        Page:   1 of    1
Allergy Tracking Free Text Entries
     Reactant                            # Active Entries
1    CEFAZOLIN SOD 1GM INJ                      1
2    Diabetes Mellitus Type II                  1
3    NO ALLERGIES                               1
4    NO KNOWN ALLERGIES                         1
5    Penicillin                                 1
6    WATERMELON                                 3
          Select one or more entries
AE   Add/Edit Allergy File EE   Mark entered in error
DD   Detailed Display      UR   Update to new reactant
Select Item(s): Quit// 6
Allergy Tracking Update        Oct 27, 2003@08:36:38        Page:   1 of    1
Allergy Tracking Free Text Entries
     Reactant                            # Active Entries
1    CEFAZOLIN SOD 1GM INJ                      1
2    Diabetes Mellitus Type II                  1
3    NO ALLERGIES                               1
4    NO KNOWN ALLERGIES                         1
5    Penicillin                                 1
6    WATERMELON                                 3


+          Select one or more entries
AE   Add/Edit Allergy File EE   Mark entered in error
DD   Detailed Display      UR   Update to new reactant
Select Item(s): Quit// dd   Detailed Display

Reactant Detailed Display      Oct 27, 2003@08:25:50        Page:   1 of    1
Patient listing for reactant WATERMELON
     Patient Name                   Last 4
1    ARTPATIENT,ONE                 0111
Allergies: WATERMELON
2    ARTPATIENT,TWO                 0222
Allergies: WATERMELON
3    ARTPATIENT,THREE               0333
Allergies: ASPIRIN~WATERMELON

+          Select one or more entries
EE   Entered in Error                PR   Add/Edit Patient Reaction
UR   Update to new reactant          DD   Free Text Detailed Display
AE   Add/Edit Allergy File
Select Item(s): Quit// 1
```

3. Select an item # in the Detailed Display, then select UR for Update to New Reactant.

```
Reactant Detailed Display      Oct 27, 2003@08:40:29        Page:   1 of    1
Patient listing for reactant WATERMELON
     Patient Name                   Last 4
1    ARTPATIENT,ONE                 0111
Allergies: WATERMELON
2    ARTPATIENT,TWO                 0222
Allergies: WATERMELON
3    ARTPATIENT,THREE               XXXX
```

```
Allergies: ASPIRIN~WATERMELON


         Select a patient                                          >>>
EE  Entered in Error                    PR  Add/Edit Patient Reaction
UR  Update to new reactant              DD  Free Text Detailed Display
AE  Add/Edit Allergy File
Select Item(s): Quit// ur   Update to new reactant

You are about to update the selected patient's
WATERMELON allergy to a new reactant.

ARE YOU SURE? NO// YES
For patient ARTPATIENT,ONE

Enter Causative Agent: ONION

Checking GMR ALLERGIES (#120.82) file for matches...

Now checking INGREDIENT (#50.416) file for matches...
 EXTRACT
         ...OK? Yes//<ENTER>    (Yes)


You selected ONION EXTRACT
Is this correct? Y// <ENTER> ES
Performing order checking...No problems found
Press enter to continue: <ENTER>


Reactant Detailed Display      Oct 27, 2003@08:44:13      Page:    1 of    1
Patient listing for reactant WATERMELON
    Patient Name                   Last 4
1   ARTPATIENT,ONE                 0111
Allergies: WATERMELON
2   ARTPATIENT, TWO                0222
Allergies: ASPIRIN~WATERMELON




         Select a patient                                          >>>
EE  Entered in Error                    PR  Add/Edit Patient Reaction
UR  Update to new reactant              DD  Free Text Detailed Display
AE  Add/Edit Allergy File
Select Item(s): Quit//
```

Add/Edit Patient Reaction

The addition of local reactants and sign/symptoms is no longer allowed. Requests for new terms/concepts should be made through the New Term Rapid Turn-around (NTRT) process.

```
Reactant Detailed Display      Sep 19, 2003@13:05:28      Page:    1 of    1
Patient listing for reactant DIABETES MELLITUS TYPE II
    Patient Name                   Last 4
1   ARTPATIENT,ONE                 0111
Allergies: AMOXICILLIN~ASPIRIN~MILK~ERYTHROMYCIN~CHROMA-PAK INJECTION~
```

```
         Diabetes Mellitus Type II~PENICILLINS




                  Select a patient
EE  Entered in Error                  PR  Add/Edit Patient Reaction
UR  Update to new reactant            DD  Free Text Detailed Display
AE  Add/Edit Allergy File
Select Item(s): Quit// PR   Add/Edit Patient Reaction

   In support of national standardization of the contents of this file,
   local site addition and modification functions are no longer available.
   If you wish to request a new term or modify an existing term, please
   refer to the New Term Rapid Turnaround (NTRT) web site.
   If you have any questions regarding this new term request process, please
   contact the ERT NTRT Coordinator.


Press enter to continue: <Enter>
```

Add/Edit Allergy File

The addition of local reactants and sign/symptoms is no longer allowed. Requests for
new terms/concepts should be made through the New Term Rapid Turn-around (NTRT)
process.

Assessment Clean Up Utility

The first time GMRA ASSESSMENT UTILITY is accessed, a search will process
through the ADVERSE REACTION ASSESSMENT file (#120.86) and the PATIENT
ALLERGIES file (#120.8), looking for any possible discrepancies. Here is an example of
running the utility the first time after installation:

```
Select OPTION NAME: GMRA ASSESSMENT UTILITY        Assessment clean up utility

Assessment clean up utility

I will create a task to build the list of assessments that need review and send
you an email when the list is built.

Shall I notify anyone else when the list is built? NO//
Do you want to include deceased patients in the list? NO//

Enter the date and time below when the assessment list builder should start.

Requested Start Time: NOW//  (APR 27, 2016@16:53:53)

Successfully queued the assessment list builder; task #1645492.
```

When the search is completed, the person who started the task, as well as any additional recipients will receive a MailMan message entitled GMRA ASSESSMENT FIX LIST BUILD STATUS.

At this time, the user can go back into the GMRA ASSESSMENT UTILITY option and see a list of patients (if any) who have discrepancies that need to be reviewed and corrected.

NOTE: After the initial search is completed, accessing the option again will show the original list of patients and the status of the discrepancy for each patient.

NOTE: Installation of this patch does not by itself prevent the undefined error from occurring. Sites must use the tool to correct any problems that it identifies in order to prevent the error from occurring.

NOTE: Once the allergies are displayed for the selected patient, the user should review the list for accuracy and mark any that need to be as entered in error. The review should be done **BEFORE** modifying the assessment.

Example:

```
Select Systems Manager Menu <TEST ACCOUNT> Option: ART  Adverse Reaction
Tracking
   1      Enter/Edit Site Configurable Files ...
   2      Adverse Reaction Tracking User Menu ...
   3      Adverse Reaction Tracking Clinician Menu ...
   4      Adverse Reaction Tracking Verifier Menu ...
   5      P&T Committee Menu ...

Select Adverse Reaction Tracking <TEST ACCOUNT> Option: 1  Enter/Edit Site
Configurable Files

   1      Edit Allergy File
   2      Enter/Edit Signs/Symptoms Data
   3      Enter/Edit Site Parameters
   4      Sign/Symptoms List
   5      Allergies File List
   6      Allergy clean up utility
   7      Assessment clean up utility

Select Enter/Edit Site Configurable Files <TEST ACCOUNT> Option: 7  Assessment
clean up utility
```

```
Assessment Corrector         Apr 11, 2013@11:33:33        Page:    1 of    1
Allergy Tracking Assessment Corrector
 Line Patient Name                    Assessment  # of Allergies  Status
1.    FIFTYONE,INPATIENT                  No             2
2.    FIFTYTWO,INPATIENT                  Yes            0
3.    FIFTYFIVE,INPATIENT             No Assess.         3


         Enter ?? for more actions
SP  Select Patient
Select Action: Quit// SP    Select Patient
Enter a number (1-3): 1
```

```
PATIENT DETAILED DISPLAY       APR 11, 2013@11:33:45       PAGE:    1 OF    1
PATIENT: FIFTYONE,INPATIENT (0851)
INPATIENT
ASSESSMENT: NO KNOWN REACTIONS
 LINE REACTANT                       ENTERED IN ERROR
1.    DUST                           NO
2.    QUINOLONES                     NO


         Enter ?? for more actions
MA  MODIFY ASSESSMENT                     EE  CHANGE ALL TO 'ENTERED IN ERROR'
RR  REVIEW REACTION
SELECT ACTION: QUIT// RR    REVIEW REACTION
```

```
Enter a number (1-2): 1

NUMBER: 968                          PATIENT: FIFTYONE,INPATIENT
  REACTANT: DUST                     GMR ALLERGY: DUST
  ORIGINATION DATE/TIME: APR 11, 2013@07:37
  ORIGINATOR: PROVIDER,ONE           OBSERVED/HISTORICAL: HISTORICAL
  ORIGINATOR SIGN OFF: YES           MECHANISM: ALLERGY
  VERIFIED: YES
  VERIFICATION DATE/TIME: APR 11, 2013@07:39:43
  ALLERGY TYPE: OTHER
REACTION: ITCHING,WATERING EYES      ENTERED BY: PROVIDER,ONE
  DATE ENTERED: APR 1990
REACTION: SNEEZING                   ENTERED BY: PROVIDER,ONE
  DATE ENTERED: APR 1990
DATE/TIME: APR 11, 2013@07:39:43     USER ENTERING: PROVIDER,ONE

Would you like to mark this allergy as 'Entered in Error'? NO// YES
```

```
PATIENT DETAILED DISPLAY       APR 11, 2013@11:34:48       PAGE:    1 OF    1
PATIENT: FIFTYONE,INPATIENT (0851)
INPATIENT
ASSESSMENT: NO KNOWN REACTIONS
 LINE REACTANT                       ENTERED IN ERROR
1.    DUST                           YES
2.    QUINOLONES                     NO


         Enter ?? for more actions
MA  MODIFY ASSESSMENT                     EE  CHANGE ALL TO 'ENTERED IN ERROR'
RR  REVIEW REACTION
SELECT ACTION: QUIT// MA    MODIFY ASSESSMENT
DOES THIS PATIENT HAVE ANY KNOWN ALLERGIES OR ADVERSE REACTIONS? : NO// YES
```

```
Patient Detailed Display      Apr 11, 2013@11:35:52      Page:   1 of    1
Patient: FIFTYONE,INPATIENT (0851)
Inpatient
Assessment: Has known reactions
 Line Reactant                      Entered in Error
1.    DUST                          YES
2.    QUINOLONES                    NO




          Enter ?? for more actions
MA  Modify Assessment              EE  Change all to 'Entered in Error'
RR  Review Reaction
Select Action: Quit// <Enter>
```

```
Assessment Corrector          Apr 11, 2013@11:36:32      Page:   1 of    1
Allergy Tracking Assessment Corrector
 Line Patient Name                 Assessment  # of Allergies  Status
1.    FIFTYONE,INPATIENT           Yes         1          **FIXED**
2.    FIFTYTWO,INPATIENT           Yes         0
3.    FIFTYFIVE,INPATIENT          No Assess.  3




          Enter ?? for more actions
SP  Select Patient
Select Action: Quit// SP   Select Patient
Enter a number (1-3): 3
```

```
Patient Detailed Display      Apr 11, 2013@11:37:12      Page:   1 of    1
Patient: FIFTYFIVE,INPATIENT (0855)
Inpatient
Assessment: None on file
 Line Reactant                      Entered in Error
1.    CONTRAST MEDIA                NO
2.    STRAWBERRIES                  NO
3.    POLLEN                        NO




          Enter ?? for more actions
MA  Modify Assessment              EE  Change all to 'Entered in Error'
RR  Review Reaction
Select Action: Quit// EE   Change all to 'Entered in Error'
```

```
You are about to mark all of this patient's allergies as 'Entered in Error'.
Do you want to continue? NO// YES

Marking CONTRAST MEDIA as 'Entered in Error'...

Marking STRAWBERRIES as 'Entered in Error'...

Marking POLLEN as 'Entered in Error'...


**NOTE: By marking this reaction as entered in error, FIFTYFIVE,INPATIENT
no longer has an assessment on file.  You may reassess this patient
now by answering the following prompt or hit return to do it later.

Does this patient have any known allergies or adverse reactions? : NO
```

```
Patient Detailed Display     Apr 11, 2013@11:38:29      Page:   1 of   1
Patient: FIFTYFIVE,INPATIENT (0855)
Inpatient
Assessment: No known reactions
 Line Reactant                       Entered in Error
1.    CONTRAST MEDIA                  YES
2.    STRAWBERRIES                    YES
3.    POLLEN                          YES




          Enter ?? for more actions
MA  Modify Assessment                 EE  Change all to 'Entered in Error'
RR  Review Reaction
Select Action: Quit// <Enter>
Assessment Corrector         Apr 11, 2013@11:40:21      Page:   1 of   1
Allergy Tracking Assessment Corrector
 Line Patient Name               Assessment  # of Allergies  Status
1.    FIFTYONE,INPATIENT             Yes           1         **FIXED**
2.    FIFTYTWO,INPATIENT             Yes           0
3.    FIFTYFIVE,INPATIENT            No            0         **FIXED**








          Enter ?? for more actions
SP  Select Patient
Select Action: Quit//
```

Adverse Reaction Tracking User Menu

This menu is assigned to all users of Adverse Reaction Tracking who are not clinicians, verifiers, or ADP coordinators. The options on this menu allow you to enter, edit, and display allergy/adverse reaction data.

1. Enter/Edit Patient Reaction Data
2. Active Listing of Patient Reactions
3. Edit Chart and ID Band
4. List by Location of Unmarked ID Bands/Charts
5. Patient Allergies Not Signed Off
6. List by Location of Undocumented Allergies
7. Print Patient Reaction Data
8. Online Reference Card

Enter/Edit Patient Reaction Data

This option allows users to enter and edit patient allergies/adverse reactions. You are prompted to enter the name of the agent that caused the reaction, whether the reaction was observed during the patient's stay/visit at the facility, any signs/symptoms associated with the reaction, the date and time the sign/symptom occurred, the type of reaction (i.e., mechanism), any appropriate comments concerning the entry, and whether the patient's ID band is marked for this reaction.

Selecting a Patient:

You may select a patient by name (last name, first name), full Social Security Number (SSN), the last four digits of the SSN (e.g., 1234), the first letter of the last name and last four digits of the SSN (e.g., A1234), or ward location (e.g., 1 North).

Does the patient have any known allergies/adverse reactions?

If the selected patient does not have any allergies/adverse reactions stored in the ART database, you are asked the above question. A Yes response will allow you to make an entry. A No response will take you back to the patient prompt. If the ART database contains allergy/adverse reaction information about the patient, the software will not ask this question, but will instead display information about the existing reactions. The software will display the name of the causative agent, the type of causative agent (e.g., food), any signs/symptoms, its mechanism (e.g., Allergy or Pharmacologic), whether it was an observed reaction or historical, and whether or not it was verified.

Selecting a Causative Agent:

The lookup procedure that is performed when you enter a causative agent deserves a detailed explanation.

1. If the causative agent exists as an entry for the patient, then you have the opportunity to edit the data concerning that entry.

2. If your response is not part of that patient's entry or you do not want to edit an existing choice given in Step 1, then a lookup for the particular agent is done using six files of choices, which are searched in the following order:

   1. GMR Allergies (#120.82) - this file is distributed with the ART software and contains nationally distributed food and other type agents plus any entries added locally by the facility,
   2. National Drug (#50.6) - this file contains the names of available drug products including trade names and manufacturer, and
   3. National Drug File - Trade Names (#50.67)

   4. Drug (#50) - this file contains the names of drugs that can be used to fill a prescription.
   5. Drug Ingredients (#50.416) - this file contains the names of individual generic drugs which are components of various drug products,
   6. VA Drug Class (#50.605) - this file contains the names of the various drug classes used within the Department,

3. If your reactant is not found after Steps 1 and 2, then you are asked "Would you like to send an email requesting (the reactant) be added as a causative agent?" If you answer NO, you will return to the reactant lookup; if you answer YES, you see the message "You may now add any comments you may have to the message that is going to be sent with the request to add this reactant. You may want to add things like sign/symptoms, observed or historical, etc., that may be useful to the reviewer.

Enter RETURN to continue or '^' to exit: "If enter is pressed, you are allowed to enter

comments, and when the comments are saved, you see the message "Message sent - NOTE: This reactant was NOT added for this patient."

Enter another Causative Agent? YES//" If the you answer YES, you return to the reactant lookup prompt; if you answer NO, you return to the patient lookup prompt. A mail message is generated to the user making the request and to the Mail Group GMRA REQUEST NEW REACTANT, containing the comment entered, the user name and contact information, patient, and the reactant.

NOTE: If a particular causative agent is commonly selected, but it comes from a lookup on one of the later files (i.e., 2b, 2c, 2d or 2e) and the facility wishes to minimize the response lookup time, then that causative agent can be added to the GMR Allergies file as a local entry. Since this is the first file that is looked up in Step 2, the response time will be reduced.

Observed vs. Historical Reaction:

An observed reaction is an allergy or adverse reaction that has been witnessed by some personnel at this facility or reported by the patient, or his or her caregiver after initiation of a new therapy. The time of day is mandatory for this type. A historical allergy or adverse reaction is an event that has been stated by some source versus one that has actually been witnessed by some personnel at this facility before initiation of new therapy. The time of day may be entered, but it is optional.

Observed Report:

For an observed reaction, you are asked for additional information. You may enter the name of the person who observed the reaction (the default response is the name of you entering the data), the severity of the reaction (i.e., mild, moderate or severe), and the date a medical doctor was notified. Also, you may edit the date and time of the observation. You will only see these prompts if you have the GMRA-ALLERGY VERIFY KEY.

NOTE: If the user answers "NO" to the following prompt:
Complete the observed reaction report? Yes//
No severity may be entered.

Signs/Symptoms:
This file is no longer editable by the site and free text is no longer allowed.

Mechanism:

The mechanism is the type of reaction. The choices are Allergy, Pharmacologic, or Unknown. An allergic reaction occurs because the patient is sensitive to a causative agent regardless of the amount the patient is exposed to. A pharmacologic (non-allergic) reaction occurs when the patient is sensitive to an agent under certain conditions such as exposure to a large amount. Unknown is provided if you are not sure what mechanism to enter. You will only see these prompts if he/she has the GMRA-ALLERGY.

NOTE: Allergies are a subset of the world of adverse reactions. All allergies are adverse reactions, but not all adverse reactions are allergies.

Comments:
The site can determine whether comments from the originator of the entry are required, by setting a software parameter. If that site parameter is set to YES, you are required to enter comments for allergies designated as observed. If the entry is being edited and any existing comments exist for this causative agent, the software will display those comments and their author (the originator of the entry, a verifier, or a person who marked the entry as entered in error). This is only true for OBSERVED type allergies. Comments entered for allergies designated as historical are optional.

FDA Data:

When the type of the causative agent is a drug, you may enter further information about the reaction, which will be used by the software to generate an FDA report. The questions for the FDA report are categorized in four sections. Users are encouraged to provide as much information about the reaction as possible. The site can determine if you will be required to enter FDA data by setting a software parameter. You will only see these prompts if you have the GMRA-ALLERGY VERIFY KEY.

Verification of Data:

Entries can be verified by a user or by the software. The latter is known as auto-verification. The site can determine how the entries are verified by setting three software parameters. The combination of these three parameters allows the software to automatically verify none, some, or all entries. Conversely, sites may wish to have their users verify none, some, or all entries. If the entry must be verified by a user and the user has the verification key, GMRAALLERGY VERIFY, the software will allow the verification of the data during the enter/edit option. The user has an opportunity to review and edit the data before verifying the entry.

Generating Progress Notes:

The ART software has an interface to the TIU package. A progress note will be generated when you verify or enter an observed drug reaction, or mark an entry as entered in error. Also, you may print the note. You will only see these prompts if you have the GMRA-ALLERGY VERIFY KEY.

Signing Off on an Entry:

Signing off (i.e., is the data correct?) on an entry means the user who entered/edited the entry is satisfied with the data entered. It does not mean an electronic signature. Users who have the verification key will not be asked to sign off on an entry if they verify it.

Users who have the verification key will be asked to sign off on an entry if they do not verify it. Users who do not have the verification key will be asked to sign off on the entry.

Example Enter/Edit Patient Reaction Data:

```
Select Adverse Reaction Tracking User Menu Option: 1 Enter/Edit Patient
Reaction Data
Select PATIENT NAME: ARTPATIENT,ONE XX-XX-23 000110111 SC VETERAN

OBS/REACTANT                                   VER.   MECH.   HIST   TYPE
--------                                       ----   ----    ----   ----
ASPIRIN                                        AUTO   ALLERGY HIST   DRUG
    Reactions: CHILLS, DRY MOUTH, CHEST PAIN
DILANTIN                                       YES    ALLERGY OBS    DRUG
 (PHENYTOIN)
    Reactions: DROWSINESS
IBUPROFEN                                      NO     UNKNOWN OBS    DRUG
  PENICILLIN                                   YES    UNKNOWN OBS    DRUG
    Reactions: HIVES, DROWSINESS
PHENOBARBITAL                                  YES    ALLERGY OBS    DRUG
    Reactions: DEPRESSION
TETRACYCLINE                                   YES    PHARM   OBS    DRUG
    Reactions: DROWSINESS
Enter Causative Agent: CHEESE
Checking existing PATIENT ALLERGIES (#120.8) file for matches


Now checking GMR ALLERGIES (#120.82) file for matches...


    CHEESE   OK? Yes//    (Yes)


(O)bserved or (H)istorical Allergy/Adverse Reaction: O OBSERVED

Select date reaction was OBSERVED (Time Optional):  t  (DEC 06, 2004)
DEC 06,
2004  (DEC 06, 2004)
  Are you adding 'DEC 06, 2004' as
    a new ADVERSE REACTION REPORTING? No// y  (Yes)



No signs/symptoms have been specified.  Please add some now.

The following are the top ten most common signs/symptoms:
 1. CHILLS                              7. HIVES
 2. ITCHING,WATERING EYES               8. DRY MOUTH
 3. HYPOTENSION                         9. DRY NOSE
 4. DROWSINESS                          10. RASH
 5. NAUSEA,VOMITING                     11. OTHER SIGN/SYMPTOM
 6. DIARRHEA
Enter from the list above :  10
```

```
Date(Time Optional) of appearance of Sign/Symptom(s): Dec 06, 2004//  (DEC
06, 2004)

The following is the list of reported signs/symptoms for this reaction:

     Signs/Symptoms                                    Date Observed
----------------------------------------------------------------------
  1  RASH                                              Dec 06, 2004

Select Action (A)DD, (D)ELETE OR <RET>:

COMMENTS:
  1>
Complete the observed reaction report? Yes//   (Yes)
DATE/TIME OF EVENT: DEC 6,2004//
OBSERVER: CPRSPROVIDER,EIGHT      BCC          Chief Medical Officer
SEVERITY: m
     1   MILD
     2   MODERATE
Choose 1-2: 1  MILD
DATE MD NOTIFIED: Dec 6,2004//   (DEC 06, 2004)
Enter another Causative Agent? YES// n  NO


                          Dec 06, 2004@14:02:53
Causative Agent Data edited this Session:
ADVERSE REACTION
----------------
  CHEESE

          Obs/Hist: OBSERVED
           Obs d/t: Dec 06, 2004
     Signs/Symptoms: RASH (12/6/04)Is this correct? NO// y YES
```

Signing off on Allergies

Before patch 17, the allergy tracking package allowed users to leave entries in a "not signed off" state. Although not complete, the allergy became part of the patient's record, even though you were told that it would not be. Depending on how the entry was made, an alert might not be sent indicating that the entry needed to be signed off. Ultimately, an unfinished entry might never be finished, but still appear in the patient's record.

A change has been made so that no new entry can be left in a "not signed off" state. Upon entering a new allergy, if you enter an "^" at any point during the data gathering process, the entry will be deleted. Upon completing the new entry, you will be asked if the entry is okay. If you enter no, then you'll be given the opportunity to edit or delete the entry. The entry must then be deleted or accepted before exiting this process. As a result, no new entries will be allowed to be in an unsigned state.

NOTE: Sites should run the "Patient Allergies Not Signed Off" option to identify all existing entries that have not yet been completed. Each entry should be reviewed and marked as entered-in-error or completed by entering the required information. Once these entries are cleaned up, then no unsigned entries should appear in the patient's chart. You are not required to update these entries as data may not be available, but you should review them and take action if possible. The

post-installation routine will also list any allergies that are observed, have been signed off, but are missing either an observed date or a sign/symptom. These entries should also be reviewed and updated if possible.

```
GMRA CLINICIAN MENU     Adverse Reaction Tracking Clinician Menu


   1       Enter/Edit Patient Reaction Data
   2       FDA Enter/Edit Menu ...
   3       Reports Menu ...
   4       Edit Chart and ID Band
   5       Online Reference Card

Select Adverse Reaction Tracking Clinician Menu Option: 3  Reports Menu

   1       Active Listing of Patient Reactions
   2       Print Patient Reaction Data
   3       Print an FDA Report for a Patient
   4       List by Location of Unmarked ID Bands/Charts
   5       Patient Allergies Not Signed Off
   6       List by Location of Undocumented Allergies
   7       List by Location Not Verified Reactions
   8       List by Location and Date All Signed Reactions
   9       List FDA Data by Report Date


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

Select Reports Menu Option: 5  Patient Allergies Not Signed Off

DEVICE: HOME//   ANYWHERE

                ALLERGY/ADVERSE REACTIONS TO BE SIGNED OFF
                   Run Date/Time: 9/30/03 12:12:09 pm


ORIGINATOR               PATIENT              ALLERGY       ORIGINATION DATE/TIME
-------------------------------------------------------------------------------




      NO DATA FOR THIS REPORT
Enter RETURN to continue or '^' to exit:
```

NOTE: With GMRA*4.0*21, it is now possible to delete an assessment of NKA from within the ART package.

When you select a patient for entering/editing allergies and that patient doesn't have any active allergies on file, the "Does this patient have any known allergies or adverse reactions?" prompt is presented to you. If the patient has no assessment, there is no default answer. If the patient has been assessed as NKA, the default is NO.

In the case where the default answer is NO (meaning, the patient is NKA), you may enter an @ sign to indicate that the assessment should be deleted and the patient should be returned to the 'not assessed' state. This would be used in those rare cases where an assessment is erroneously assigned to the wrong patient.

Active Listing of Patient Reactions

This option will give a brief listing of the active (i.e., data that is signed off and not entered in error) allergy/adverse reaction data for a selected patient. You may select a printer to get a hard copy printout, or display the report to the terminal screen.

The header of the display contains the report name, date and time it was run, patient's name, SSN, date of birth, and age. The body of the report divides the data by reaction type (e.g., Drug) and lists the causative agent, the signs/symptoms, and when they were observed or if they were historical, and whether it was verified.

If the patient has no known reactions, the body of the report will display that the patient has no known allergies. If the patient was never asked if he/she has any allergy/adverse reactions, the body of the report will display a message stating that there are no reactions on file.

```
Select PATIENT: ARTPATIENT,ONE XX-XX -23 000110111    YES     ACTIVE DUTY
 Enrollment Priority:           Category: IN PROCESS    End Date:


DEVICE: HOME// ;;999  ANYWHERE



                  ACTIVE ALLERGY/ADVERSE REACTION LISTING
                     Run Date/Time: 6/25/04 11:56:58 am
ARTPATIENT,ONE            000-11-0000              XXX XX,1942 (62)


                                                                 OBS/
 ADVERSE REACTION                                      VERIFIED  HIST
-----------------------------------------------------------------------


   TYPE: DRUG
   ==========
ALLENT                                                   YES      HIST
ALUMINUM ACETATE                                         YES      HIST
     Reactions: CHILLS (Nov 25, 2002)
AMOXICILLIN                                              NO       HIST
AMPICILLIN                                               NO       HIST
BILBERRY                                                 YES      HIST
CANDESARTAN                                              YES      HIST
CARAMEL                                                  YES      HIST
     Reactions: HIVES (Jan 22, 1998),
                ITCHING,WATERING EYES (Jan 22, 1998)
CORICIDIN TAB                                            YES      OBS
     Reactions: CHILLS, HYPOTENSION, NAUSEA,VOMITING
CORN STARCH                                             YES      HIST
CORRECTOL                                               YES      HIST
CORTICOTROPIN                                           YES      HIST
CORTICOTROPIN/ZINC HYDROXIDE                            YES      HIST
EYE WASHES/LUBRICANTS                                   NO       OBS
     Reactions: DROWSINESS
FILGRASTIM                                              YES      HIST
HAYFEBROL SF                                            NO       HIST
```

```
        Reactions: ITCHING,WATERING EYES
LOMEFLOXACIN                                        YES        OBS
        Reactions: ITCHING,WATERING EYES (Mar 10, 1999)
OXYCODONE                                           YES        HIST
PENICILLINS                                         NO         HIST
PENTAMIDINE                                         YES        HIST
PENTAZOCINE                                         YES        HIST
PENTETIC ACID                                       YES        HIST
RANITIDINE                                          YES        OBS
        Reactions: CHILLS (Nov 26, 2002@11:16)
TACRINE                                             YES        HIST
TAPE                                                YES        HIST
TAVIST                                              NO         HIST
TAVIST                                              NO         HIST
WARFARIN                                            YES        HIST
WATER                                               NO         HIST
ZANTAC                                              YES        HIST


   TYPE: DRUG, FOOD
   ================
CHOCOLATE                                           YES        HIST
FLUPHENAZINE DECANOATE                              NO         HIST
PEANUT OIL                                          NO         OBS
        Reactions:
                ITCHING,WATERING EYES (Oct 05, 2000@24:00),
                ANXIETY (Oct 06, 2000@09:27)
SHELL FISH                                          NO         HIST


   TYPE: FOOD
   ==========
NUTS                                                YES        HIST
        Reactions: HIVES (Jan 02, 1998)
PEACHES                                             YES        HIST
STRAWBERRIES                                        YES        HIST


   TYPE: OTHER
   ===========
DUST                                                YES        HIST
Enter RETURN to continue or '^' to exit:
```

Edit VA Drug Class

Screen captures below illustrate how to edit the VA DRUG CLASS in verified allergies within the Adverse Reaction Tracking, Outpatient Pharmacy, and Inpatient Pharmacy packages.

NOTE: These screen captures only show editing patient allergy/adverse reaction data to populate the missing "VA DRUG CLASS" field. However, these options can be used to edit other items that may need correction.

Users must hold the GMRA-ALLERGY VERIFY key to enable them to edit verified allergies/adverse reaction data.

Adverse Reaction Tracking Package

Example: Edit VA DRUG CLASS

```
Select Adverse Reaction Tracking User Menu  <TEST ACCOUNT> Option: ENter/Edit Pa
tient Reaction Data


Select PATIENT NAME:    AAAFHDHU,GUHIHUDJB J      6-29-20    REDACTED      NO
    NSC VETERAN
                              ** NON-VESTED  **
Enrollment Priority: GROUP 8c   Category: NOT ENROLLED  End Date: 03/12/2006


                                                              OBS/
REACTANT                                        VER.   MECH.   HIST  TYPE
--------                                        ----  -------  ----  ----
IODINE                                          AUTO  UNKNOWN  HIST  DRUG
    Reactions: URTICARIA

Enter Causative Agent: IOD

Checking existing PATIENT ALLERGIES (#120.8) file for matches...
,GUHIHUDJB J  AAAFHDHU,GUHIHUDJB J       6-29-20    REDACTED     NO    NSC VE
TERAN
                              ** NON-VESTED  **
Enrollment Priority: GROUP 8c   Category: NOT ENROLLED  End Date: 03/12/2006
    IODINE
   IODINE   OK? Yes//   (Yes)
                                                    ┌─────────────────┐
                                                    │ Notice, VA DRUG │
                                                    │ CLASSES field is│
        PATIENT: AAAFHDHU,GUHIHUDJB J    CAUSATIVE AGENT: IODINE│ empty.          │
  INGREDIENTS: IODINE               VA DRUG CLASSES: ◄──────│                 │
                                                    └─────────────────┘
    ORIGINATOR: MIAN,NAEEM S                ORIGINATED: Apr 19, 2016@15:03
      SIGN OFF: YES                           OBS/HIST: HISTORICAL

ID BAND MARKED:                           CHART MARKED: Apr 19, 2016@15:03:56

SIGNS/SYMPTOMS: URTICARIA

    MECHANISM: UNKNOWN

     VERIFIER: AUTOVERIFIED                    VERIFIED: APR 19, 2016@15:03:55
```

```
Is the reaction information correct? Yes// YES ◄── (Yes)
DO YOU WISH TO EDIT VERIFIED DATA? NO// YES


CAUSATIVE AGENT: IODINE
          TYPE: DRUG
   INGREDIENTS: IODINE
VA DRUG CLASSES:
       OBS/HIST: HISTORICAL


SIGNS/SYMPTOMS: URTICARIA
     MECHANISM: UNKNOWN


Would you like to edit any of this data? YES (Yes)


CAUSATIVE AGENT: IODINE//  (Uneditable)
  1   Drug
  2   Food
  3   Other
Select Classification(s) of Causative Agent: 1//
Select DRUG INGREDIENT: IODINE//
Select VA DRUG CLASS: DE101        ANTIBACTERIAL,TOPICAL
   ANTIBACTERIAL,TOPICAL
  VA DRUG CLASS: ANTIBACTERIAL,TOPICAL//
Select VA DRUG CLASS:
(O)bserved or (H)istorical Allergy/Adverse Reaction: HISTORICAL
        //


The following is the list of reported signs/symptoms for this reaction:

     Signs/Symptoms                                    Date Observed
-------------------------------------------------------------------------
  1  URTICARIA

Select Action (A)DD, (D)ELETE OR <RET>:

     Choose one of the following:

                    A - ALLERGY
                    P - PHARMACOLOGICAL
                    U - UNKNOWN

MECHANISM: UNKNOWN//

CAUSATIVE AGENT: IODINE
          TYPE: DRUG
   INGREDIENTS: IODINE
VA DRUG CLASSES: DE101 - ANTIBACTERIAL,TOPICAL
       OBS/HIST: HISTORICAL

SIGNS/SYMPTOMS: URTICARIA
     MECHANISM: UNKNOWN

Would you like to edit any of this data? N  (No)
Enter another Causative Agent? YES//


                                                     OBS/
REACTANT                             VER.   MECH.   HIST  TYPE
--------                             ----   -------  ----  ----
IODINE                               AUTO   UNKNOWN  HIST  DRUG
    Reactions: URTICARIA
```

User must respond **YES**.

This prompt displays only if the user holds the GMRA-ALLERGY VERIFY key. Users not holding this key are not allowed to edit the allergy/adverse reaction record.

Users must respond **YES** to edit the allergy/adverse reaction record.

Enter the VA DRUG CLASS at this prompt.

```
Enter Causative Agent: IOD

Checking existing PATIENT ALLERGIES (#120.8) file for matches...
,GUHIHUDJB J  AAAFHDHU,GUHIHUDJB J         6-29-20    REDACTED    NO     NSC VE
TERAN
                              ** NON-VESTED **
Enrollment Priority: GROUP 8c   Category: NOT ENROLLED  End Date: 03/12/2006
    IODINE
   IODINE   OK? Yes//   (Yes)


      PATIENT: AAAFHDHU,GUHIHUDJB J    CAUSATIVE AGENT: IODINE
  INGREDIENTS: IODINE                 VA DRUG CLASSES: ANTIBACTERIAL,TOPICAL

   ORIGINATOR: MIAN,NAEEM S              ORIGINATED: Apr 19, 2016@15:03
     SIGN OFF: YES                        OBS/HIST: HISTORICAL

ID BAND MARKED:                        CHART MARKED: Apr 19, 2016@15:03:56

SIGNS/SYMPTOMS: URTICARIA

    MECHANISM: UNKNOWN

     VERIFIER: AUTOVERIFIED              VERIFIED: APR 19, 2016@15:03:55
Is the reaction information correct? Yes// N  (No)
Mark this reaction as 'Entered-in-Error'? NO
Is the reaction information correct? Yes//    (Yes)
DO YOU WISH TO EDIT VERIFIED DATA? NO//
Enter another Causative Agent? YES// NO
```

The VA DRUG CLASS added above is now added to the record.

Outpatient Pharmacy Package

Example: Edit Allergies/Adverse Reaction Data

```
Select Rx (Prescriptions)  <TEST ACCOUNT> Option: PATient Prescription Processing
Select PATIENT NAME:    AAAFHDHU,GUHIHUDJB J       6-29-20    REDACTED    NO
   NSC VETERAN
                              ** NON-VESTED **
Enrollment Priority: GROUP 8c   Category: NOT ENROLLED  End Date: 03/12/2006


          AAAFHDHU,GUHIHUDJB J (REDACTED)
Eligibility: NSC
RX PATIENT STATUS: NSC, VA PENSION//

Patient Information         Apr 19, 2016@15:43:54        Page:    2 of    2
AAAFHDHU,GUHIHUDJB J                                              <A>
  PID: REDACTED                             Ht(cm): _____ (_____)
  DOB: JUN 29,1920 (95)                     Wt(kg): _____ (_____)
  SEX: MALE
+
Allergies
    Verified: IODINE,
      Remote:

Adverse Reactions


        Enter ?? for more actions
EA  Enter/Edit Allergy/ADR Data       PU  Patient Record Update
DD  Detailed Allergy/ADR List         EX  Exit Patient List
Select Action: Quit// EA   Enter/Edit Allergy/ADR Data
```

```
                                                     OBS/
REACTANT                                   VER.  MECH.   HIST  TYPE
--------                                   ----  -------  ----  ----
IODINE                                     AUTO  UNKNOWN  HIST  DRUG
    Reactions: URTICARIA
```

> Select the **EA** option to modify the allergy/adverse reaction record for this patient. The process for editing the VA DRUG CLASSES is the same as described above in section "Adverse Reaction Tracking Package."

Inpatient Pharmacy Package

Example: Edit allergies/adverse reaction data

```
Select OPTION NAME: INPATIENT ORDER ENTRY  PSJ OE
Inpatient Order Entry
Select IV ROOM NAME: LYONS ROOM 42-7

You are signed on under the LYONS ROOM 42-7 IV ROOM

Current IV LABEL device is: FTA

Current IV REPORT device is: FTA

Select PATIENT:    AAAFHDHU,GUHIHUDJB J   REDACTED  06/29/20
                          ** NON-VESTED **
Enrollment Priority: GROUP 8c  Category: NOT ENROLLED  End Date: 03/12/2006
Patient Information        Apr 19, 2016@15:07:50       Page:   1 of   1
AAAFHDHU,GUHIHUDJB J            Ward:                          A
  PID: REDACTED          Room-Bed:            Ht(cm): _____ (_____)
  DOB: 06/29/20 (95)                          Wt(kg): _____ (_____)
  Sex: MALE                             Admitted:
   Dx:                          Last transferred: ********
 CrCL: <Not Found>                        BSA (m2): _____


Allergies - Verified: IODINE
        Non-Verified:
             Remote:

   Adverse Reactions:
 Inpatient Narrative:
Outpatient Narrative: THIS IS A TEST



          Enter ?? for more actions
PU Patient Record Update            NO New Order Entry
DA Detailed Allergy/ADR List        IN Intervention Menu
VP View Profile
Select Action: View Profile// DA   Detailed Allergy/ADR List

Detailed ADR List          Apr 19, 2016@15:08:04      Page:   1 of   1
AAAFHDHU,GUHIHUDJB J            Ward:                          A
  PID: REDACTED          Room-Bed:            Ht(cm): _____ (_____)
  DOB: 06/29/20 (95)                          Wt(kg): _____ (_____)
  Sex: MALE                             Admitted:
   Dx:                          Last transferred: ********
 CrCL: <Not Found>                        BSA (m2): _____


   Verified
    Drug:
```

> Select "**DA**" action.
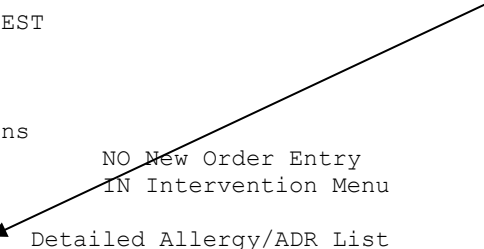
```
        1 IODINE


            Enter ?? for more actions
EA   Enter/Edit Allergy/ADR Data          SA   Select Allergy
Select Action: Quit// EA   Enter/Edit Allergy/ADR Data
```

Then select the "**EA**" action. The process for editing the VA DRUG CLASSES is the same as described above in section "Adverse Reaction Tracking Package."

Edit Chart and ID Band

All questions have been removed that ask if the patient's chart has been marked – as well as any displays that indicate whether the chart has been marked. The entry of an allergy into CPRS *is* the marking of the chart.

List by Location of Unmarked ID Bands/Charts

This option will produce a list of all patients by ward/clinic, who have not had their chart or ID bands marked. This report functions like the List of Patients Not Asked About Allergies option. It should be noted that you will be prompted to queue all reports except when choosing the Current Inpatients report by itself (i.e., #1). This applies to Inpatients only. When entering an allergy on an Outpatient, the option to indicate if the ID Band has been marked is not available or displayed.

The header of the report contains the date the report was run, title of the report, the list of the groups included (i.e., inpatients), and any date ranges entered by you. The body of the report categorizes the patients by clinic or ward. It lists the patient's name, SSN, name of the causative agent, and whether the patient ID band, patient chart, or both were unmarked.

```
Select Adverse Reaction Tracking User Menu Option: 4 List by Location of
Unmarked ID Bands/Charts
      1 Current Inpatients
      2 Outpatients over Date/Time range
      3 New Admissions over Date/Time range
      4 All of the above
Enter the number(s) for those groups to be used in this report: (1-4): 4
 Enter date/time range in which patients were
 admitted into the hospital or seen at an outpatient clinic.

Enter START Date (time optional): T-90 (MAR 30, 2004)
Enter END Date (time optional): T// <Enter> (JUN 28, 2004)
```

The location prompt allows you to select the ward or clinic that you want to print, or select all the wards/clinics by entering the word ALL, and the system will select all the appropriate hospital locations.

```
Select Location: ?

    You may deselect from the list by typing a '-' followed by location
    name. E.g. -3E would delete 3E from the list of locations already
    selected.
    You may enter the word ALL to select all appropriate locations.
Answer with HOSPITAL LOCATION NAME, or ABBREVIATION
Choose from:
   1N
   1S
   GMC REDACTED
   PHYSICAL EXAM
```

```
Select Location: 1N
Another Location: < Enter>

QUEUE TO PRINT ON
DEVICE: SELECT APPROPRIATE PRINTER

Requested Start Time: NOW// <Enter> (JUN 28 2004@13:42:26)
Request queued...
```

```
Jun 28,2004          PATIENTS WITH UNMARKED ID BAND/CHART          PAGE 1
              CURRENT INPATIENTS / OUTPATIENTS / NEW ADMISSIONS
                   FROM Mar 30,2004    TO Jun 28,2004@24:00


PATIENT                        SSN           ALLERGY           UNMARKED
--------------------------------------------------------------------------------


          WARD: 1A(1&2)
ARTPATIENT,ONE                 000-11-0111   DOG DANDER        ID BAND/CHART
                                             DUST              ID BAND/CHART
                                             AMPICILLIN        ID BAND/CHART
                                             ASPIRIN           ID BAND/CHART
                                             CHOCOLATE         ID BAND/CHART
                                             MILK OF MAGNESIA  ID BAND/CHART
                                             AMOXICILLIN       ID BAND/CHART
                                             PENICILLIN        ID BAND/CHART
                                             MENTHOL           ID BAND/CHART
ARTPATIENT,TWO                 000-11-0222   AMOXICILLIN       ID BAND/CHART
                                             DUST              ID BAND/CHART
                                             ZANTAC            ID BAND/CHART
ARTPATIENT,THREE               000-11-0333   CEPHALEXIN TABLETS, ID BAND/CHART
Enter RETURN to continue or '^' to exit:

Jun 28,2004          PATIENTS WITH UNMARKED ID BAND/CHART          PAGE 2
              CURRENT INPATIENTS / OUTPATIENTS / NEW ADMISSIONS
                   FROM Mar 30,2004    TO Jun 28,2004@24:00


PATIENT                        SSN           ALLERGY           UNMARKED
--------------------------------------------------------------------------------
                                             CHEESE            ID BAND/CHART
                                             BARIUM SULFATE    ID BAND/CHART
                                             OPIOID ANALGESICS ID BAND/CHART
                                             RADIOLOGICAL/CONTRAS ID BAND/CHART
                                             FOLIC ACID        ID BAND/CHART
                                             STRAWBERRIES      ID BAND/CHART
                                             PENICILLIN        ID BAND/CHART
un 28,2004           PATIENTS WITH UNMARKED ID BAND/CHART          PAGE 3
              CURRENT INPATIENTS / OUTPATIENTS / NEW ADMISSIONS
                   FROM Mar 30,2004    TO Jun 28,2004@24:00


PATIENT                        SSN           ALLERGY           UNMARKED
--------------------------------------------------------------------------------
                                             ACETANILIDE       ID BAND/CHART
                                             ANTIRABIES SERUM  ID BAND/CHART
ARTPATIENT,FOUR                000-11-0444   STRAWBERRIES      ID BAND/CHART
ARTPATIENT,FIVE                000-11-0555   CHOCOLATE         ID BAND/CHART
                                             BLUE CROSS AMPICILLI ID BAND/CHART
                                             ACETAMINOPHEN TAB ID BAND/CHART
                                             STRAWBERRIES      ID BAND/CHART
Enter RETURN to continue or '^' to exit:
```

Patient Allergies Not Signed Off

This option prints allergy/adverse reactions for patients who have not been signed off (completed) by the user entering data. Users who have the GMRA-ALLERGY VERIFY key will see all reactions that are not signed off. Users who do not have that key will see just the entries that they created. You may select a printer to get a hard copy printout or display the report to the terminal screen.

The header of the report contains the name of the report and the date and time that it was run. The body of the report lists the name of the person who entered the date, the patient's name followed by the last four digits of the SSN, the causative agent, and the date/time the entry was made.

```
Select Adverse Reaction Tracking User Menu Option: 5 Patient Allergies
Not Signed Off
Include deceased patients on report? NO//

DEVICE: HOME// < Enter> HYPER SPACE
                ALLERGY/ADVERSE REACTIONS TO BE SIGNED OFF
                    Run Date/Time: 6/28/04 9:18:26 am


ORIGINATOR              PATIENT            ALLERGY         ORIGINATION
DATE/TIME
-----------------------------------------------------------------------
PROVIDER,ONE ARTPATIENT,ONE   (0111) PENICILLIN FEB 18, 2003@10:59
PROVIDER,ONE ARTPATIENT,ONE   (0111) FROG FEB 18, 2003@15:14
PROVIDER,ONE ARTPATIENT,ONE   (0111) THORAZINE 10MG FEB 22, 2003@13:20
PROVIDER,ONE ARTPATIENT,TWO   (0112) PENICILLIN JUN 22, 2003@11:44
PROVIDER,ONE ARTPATIENT,TWO   (0112) PHENYTOIN JUN 22, 2003@11:48
PROVIDER,ONE ARTPATIENT,TWO   (0112) DEMECARIUM JUN 22, 2003@12:00
PROVIDER,ONE ARTPATIENT,TWO   (0112) ASPIRIN JUN 22, 2003@12:08
PROVIDER,ONE ARTPATIENT,TWO   (0112) PHENOBARBITAL JUN 25, 2003@10:33
PROVIDER,ONE ARTPATIENT,TWO   (0112) PHENOBARBITAL JUN 25, 2003@10:39
PROVIDER,ONE ARTPATIENT,TWO   (0112) CODEINE JUN 30, 2003@08:55
PROVIDER,ONE ARTPATIENT,TWO   (0112) THOR - PROM AUG 11, 2003@10:35
PROVIDER,ONE ARTPATIENT,TWO   (0112) IMMUNE GLOBULIN AUG 18, 2003@10:02
PROVIDER,ONE ARTPATIENT,THREE (0113)  CYCLOBENZAPRINE JUL 11, 2004@14:11
PROVIDER,ONE ARTPATIENT,THREE (0113)  SULFABENZAMIDE/S JUL 11, 2004@14:14
PROVIDER,ONE ARTPATIENT,THREE (0114)  DUCK JAN 06, 2004@11:13
Enter  RETURN to continue or '^' to exit: ^
```

List by Location of Undocumented Allergies

This report is used to list all patients in the patient database who have never been asked if they have any known allergies. It should be noted that you will be prompted to queue all reports except stand-alone Current Inpatients' reports. The header of the report contains the date the report was run, title of the report, the list of the groups included (i.e., current inpatients), and any date ranges entered by you. The body of the report categorizes the patients by clinic or ward. It lists the patient's name, SSN, and provider. The room-bed will appear for current inpatients.

```
Select Adverse Reaction Tracking User Menu Option: 6 List by Location
of Undocumented Allergies
        1 Current Inpatients
        2 Outpatients over Date/Time range
        3 New Admissions over Date/Time range
        4 All of the above
Enter the number(s) for those groups to be used in this report:(1-4): 4
 Enter date/time range in which patients were
 admitted into the hospital or seen at an outpatient clinic.
```

NOTE: This report will show patients as not having received an assessment if the assessment was entered after the end date of the range. For this reason, it is recommended to end the range with today. This can be done with an entry of 'T' (for Today) at the "Enter END Date (time optional): T//" prompt.

```
Enter START Date (time optional): T-180 (JAN 04, 2004)
Enter END Date (time optional): T// <Enter> (JUL 02, 2004)
```

The location prompt allows you to select the ward or clinic that you want to print, or select all the wards/clinics by entering the word ALL, and the system will select all the appropriate hospital locations.

```
Select Location: ??

    You may deselect from the list by typing a '-' followed by location name.
    E.g. -3E would delete 3E from the list of locations already selected.
    You may enter the word ALL to select all appropriate locations.
 Answer with HOSPITAL LOCATION NAME, or ABBREVIATION
Choose from:
  Choose from:
   1 CARY'S CLINIC
   13A PSYCH
   1A(1&2)
   2B MED
   8E REHAB MED
   8W SUBSTANCE ABUSE
   CARDIOLOGY
   CT ROOM

Select Location: 1A
Another Location: 2B
```

```
Another Location: Cardiology
Another Location: < Enter>

QUEUE TO PRINT ON
DEVICE: SELECT APPROPRIATE PRINTER

Requested Start Time: NOW// < Enter> (JUL 2, 2004@10:24:00)
Request queued...


Jul 2,2004           PATIENTS NOT ASKED ABOUT ALLERGIES          PAGE 1
            CURRENT INPATIENTS / OUTPATIENTS / NEW ADMISSIONS
                  FROM Jan 4,2004    TO Jul 2,2004@24:00


PATIENT                      SSN            PROVIDER
--------------------------------------------------------------------------------

        WARD: 1A(1&2)
ARTPATIENT,ONE               000-00-0111    ARTPROVIDER,ONE
ARTPATIENT,TWO               000-00-1112P
ARTPATIENT,TWO               000-00-1112

                                            ARTPROVIDER,TWO
     Room/Bed: B-2
ARTPATIENT,THREE             000-12-4443    ARTPROVIDER,THREE
     Room/Bed: 9-B
ARTPATIENT,FOUR              000-00-1114
ARTPATIENT,FIVE              000-00-1115
Enter RETURN to continue or '^' to exit:

Jul 2,2004           PATIENTS NOT ASKED ABOUT ALLERGIES          PAGE 2
            CURRENT INPATIENTS / OUTPATIENTS / NEW ADMISSIONS
                  FROM Jan 4,2004    TO Jul 2,2004@24:00


PATIENT                      SSN            PROVIDER
--------------------------------------------------------------------------------

        WARD: 2B MED
ARTPATIENT,SIX               000-00-1116    ARTPROVIDER,FOUR
ARTPATIENT,SEVEN             000-00-1117
Enter RETURN to continue or '^' to exit:


Jul 2,2004           PATIENTS NOT ASKED ABOUT ALLERGIES          PAGE 3
            CURRENT INPATIENTS / OUTPATIENTS / NEW ADMISSIONS
                  FROM Jan 4,2004    TO Jul 2,2004@24:00


PATIENT                      SSN
--------------------------------------------------------------------------------

        CLINIC: CARDIOLOGY
ARTPATIENT,EIGHT             000-00-1118         ARTPROVIDER,FIVE
ARTPATIENT,NINE              000-00-1119
ARTPATIENT,TEN               000-00-1110
Enter RETURN to continue or '^' to exit:
```

If you select a ward/clinic location where no patients meet the report's criteria (i.e., all patients were asked about allergies), then an appropriate message will appear (No Patients for this Ward).

Print Patient Reaction Data

NOTE: Remote (or HDR) allergy data does not appear in the Patient Reaction Data report, but it can be viewed in RDV and VistAWeb.

This option will allow you to produce a captioned data display of all of the patient's allergy/ adverse reaction data. You can send the report to a printer for a hard copy printout or have it displayed on the terminal screen.

You can select the types of reactions to include in the report. Any combination of types can be selected (i.e., FOOD and DRUG). You then select the status of the reaction entry. Any combination can be selected (i.e., ACTIVE and ENTERED IN ERROR).

The header of the report contains the title of the report, the date/time it was run, and the patient's name, SSN, date of birth, and age. The body contains the status of the reaction, its type, the name of the causative agent, any drug ingredients, any VA drug classes, the name of the person who entered the data, and the date and time it was entered. It also contains whether or not the data was signed off (completed), whether the reaction was observed or historical, whether the patient ID band or chart is marked, a list of the signs/symptoms, and additional comments made by the originator. A line of dots appears in the body of the report between the various reaction entries.

```
Select Adverse Reaction Tracking User Menu Option: 7 Print Patient Reaction
Data

Select PATIENT: ARTPATIENT,ONE XX-XX-69 000000111 SC VETERAN
Select 1:DRUG, 2:FOOD, 3:OTHER
Type of allergy: (1-3): 1
Select 1:ACTIVE, 2:ENTERED IN ERROR
Which would you like to see?: (1-2): 1

DEVICE: HOME// < Enter> HYPER SPACE


                   ALLERGY/ADVERSE REACTION REPORTS
                    Run Date/Time: 7/2/04 9:18:55 am
ARTPATIENT,ONE          000-00-0111              XX XX,1942 (XX)
--------------------------------------------------------------------------------

STATUS: ACTIVE
--------------
  TYPE: DRUG
  =========

        AGENT: ALLENT
  INGREDIENTS: PSEUDOEPHEDRINE          VA DRUG CLASSES: ANTIHISTAMINE/DECONGE
               BROMPHENIRAMINE

   ORIGINATOR: CRPROVIDER,ONE              ORIGINATED: MAR 17, 2004@14:34
     SIGN OFF: YES                          OBS/HIST: HISTORICAL

ID BAND MARKED:                          CHART MARKED: MAR 17, 2004@14:34:16


    MECHANISM: ALLERGY
```

```
ARTPATIENT,ONE            000-00-0111            XX XX,1942 (XX)
--------------------------------------------------------------------------------

       VERIFIER: AUTOVERIFIED                    VERIFIED: MAR 17, 2004@14:34:17

.................................................................................
          AGENT: ALUMINUM ACETATE
     INGREDIENTS: ALUMINUM ACETATE         VA DRUG CLASSES:

     ORIGINATOR: ARTPROVIDER,ONE               ORIGINATED: NOV 26, 2002@11:25
       SIGN OFF: YES                            OBS/HIST: HISTORICAL

ID BAND MARKED:                           CHART MARKED:

SIGNS/SYMPTOMS: CHILLS  (Nov 25, 2002)

      MECHANISM: UNKNOWN

       VERIFIER: AUTOVERIFIED                    VERIFIED: NOV 26, 2002@11:26:27

.................................................................................
          AGENT: AMOXICILLIN
     INGREDIENTS: AMOXICILLIN              VA DRUG CLASSES: PENICILLINS,AMINO DER

     ORIGINATOR: ARTPROVIDER,TWO               ORIGINATED: JAN 21, 1998@10:20
       SIGN OFF: YES                            OBS/HIST: HISTORICAL

ID BAND MARKED:                           CHART MARKED:


      MECHANISM: UNKNOWN

.................................................................................
          AGENT: AMPICILLIN
     INGREDIENTS: AMPICILLIN               VA DRUG CLASSES:

     ORIGINATOR: ARTPROVIDER,ONE               ORIGINATED: JAN 21, 1998@10:25
       SIGN OFF: YES                            OBS/HIST: HISTORICAL

ID BAND MARKED:                           CHART MARKED:


      MECHANISM: UNKNOWN
```

Adverse Reaction Tracking Clinician Menu

This menu is assigned to all clinicians of Adverse Reaction Tracking who are not verifiers or ADP coordinators. The options on this menu allow users to enter, edit, and display allergy data, enter Food and Drug Administration report data, run various reports of importance to the clinician, and edit the patient's chart and identification band.

This menu should only be given to the clinicians of ART. This option contains the following options:

1. Enter/Edit Patient Reaction Data
2. FDA Enter/Edit Menu…
3. Reports Menu…
4. Edit Chart and ID Band
5. Online Reference Card

Enter/Edit Patient Reaction Data

This option allows users to enter and edit patient allergies/adverse reactions. You are prompted to enter the name of the agent that caused the reaction, whether the reaction was observed during the patient's stay/visit at the facility, any signs/symptoms associated with the reaction, the date and time the sign/symptom occurred, the type of reaction (i.e., mechanism), any appropriate comments concerning the entry, and whether the patient's chart is marked for this reaction.

See Page 40 for descriptions of the prompts for this option. Enter/Edit Patient Reaction Data

Example:

```
Select Adverse Reaction Tracking Clinician Menu Option: 1  Enter/Edit Patient Re
action Data

Select PATIENT NAME: CPRSPATIENT,TWO        XX-XX-42    000004321     YES
ACTIVE DUTY
 Enrollment Priority:         Category: NOT ENROLLED  End Date: 07/06/2004


                                                        OBS/
REACTANT                                      VER.   MECH.   HIST  TYPE
--------                                      ----   -------  ----  ----
ACE INHIBITORS                                 NO    UNKNOWN  HIST  DRUG
ALLENT                                        AUTO   ALLERGY  HIST  DRUG
 (BROMPHENIRAMINE, PSEUDOEPHEDRINE)
ALUMINUM ACETATE                              AUTO   UNKNOWN  HIST  DRUG
    Reactions: CHILLS
AMOXICILLIN                                    YES   UNKNOWN  HIST  DRUG
AMPICILLIN                                     YES   UNKNOWN  HIST  DRUG
BILBERRY                                      AUTO   UNKNOWN  HIST  DRUG
 (BILBERRY EXTRACT)
CANDESARTAN                                   AUTO   ALLERGY  HIST  DRUG
CARAMEL                                        YES   ALLERGY  HIST  DRUG
    Reactions: HIVES, ITCHING,WATERING EYES
CORICIDIN TAB                                 AUTO   ALLERGY  OBS   DRUG
    Reactions: CHILLS, HYPOTENSION, NAUSEA,VOMITING
CORN STARCH                                   AUTO   ALLERGY  HIST  DRUG
 (CORN OIL)
CORRECTOL                                     AUTO   ALLERGY  HIST  DRUG
CORTICOTROPIN                                 AUTO   PHARM    HIST  DRUG

Press RETURN to continue or '^' to stop listing: ^

Enter Causative Agent: cheese

Checking existing PATIENT ALLERGIES (#120.8) file for matches...


Now checking GMR ALLERGIES (#120.82) file for matches...

   CHEESE   OK? Yes// <Enter>  (Yes)


(O)bserved or (H)istorical Allergy/Adverse Reaction: o  OBSERVED
```

```
Select date reaction was OBSERVED (Time Optional):  t  (DEC 06, 2004) DEC 06, 2004
(DEC 06, 2004)
  Are you adding 'DEC 06, 2004' as
    a new ADVERSE REACTION REPORTING? No// y  (Yes)


No signs/symptoms have been specified.  Please add some now.

The following are the top ten most common signs/symptoms:
 1. CHILLS                           7. HIVES
 2. ITCHING,WATERING EYES            8. DRY MOUTH
 3. HYPOTENSION                      9. DRY NOSE
 4. DROWSINESS                      10. RASH
 5. NAUSEA,VOMITING                 11. OTHER SIGN/SYMPTOM
 6. DIARRHEA
Enter from the list above : 10
Date(Time Optional) of appearance of Sign/Symptom(s): Dec 06, 2004//<Enter>  (DEC 06,
2004)


The following is the list of reported signs/symptoms for this reaction:

     Signs/Symptoms                            Date Observed
-------------------------------------------------------------------------
  1  RASH                                      Dec 06, 2004


Select Action (A)DD, (D)ELETE OR <RET>: <RET>




COMMENTS:
  1>
Complete the observed reaction report? Yes//  <RET> (Yes)
DATE/TIME OF EVENT: DEC 6,2004//
OBSERVER: CPRSPROVIDER,EIGHT     BCC           Chief Medical Officer
SEVERITY: m
     1   MILD
     2   MODERATE
Choose 1-2: 1  MILD
DATE MD NOTIFIED: Dec 6,2004// <Enter>  (DEC 06, 2004)
Enter another Causative Agent? YES// n  NO




                              Dec 06, 2004@14:02:53
Causative Agent Data edited this Session:
ADVERSE REACTION
----------------
  CHEESE

          Obs/Hist: OBSERVED
           Obs d/t: Dec 06, 2004
     Signs/Symptoms: RASH (12/6/04)

Is this correct? NO// y  YES
Enter Hospital Location:
Opening Adverse React/Allergy record for review...

Browse Document           Dec 06, 2004@14:02:53      Page:   1 of   1
                          Adverse React/Allergy
CPRSPATIENT,T  000-32-4321                    Visit Date: 12/06/2004 14:02
```

```
DATE OF NOTE: DEC 06, 2004@14:02:50  ENTRY DATE: DEC 06, 2004@14:02:52
     AUTHOR: CRPROVIDER,TWO              EXP COSIGNER:
     URGENCY:                            STATUS: UNSIGNED

This patient has had the following reactions
signed-off on Dec 06, 2004@14:02:50.

CHEESE




     + 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//<Enter>
Select PATIENT NAME: <Enter>
```

FDA Enter/Edit Menu (Clinician)

This menu should be given to users responsible for the FDA portion of Adverse Reaction Tracking as designated by the site. The options on this menu allow users to enter and edit the FDA data.

1. Enter/Edit FDA Report Data
2. Enter/Edit P&T Committee Data

Enter/Edit FDA Report Data

This option allows users to enter and edit FDA-related data concerning an adverse reaction.

There are five sections to the FDA Report. Fields for Reaction Information (1) are shown in the example. Sections 2-5 are discussed below.

For Suspect Drug(s) Information (2) of the data entry, you may enter/edit the name of a suspect agent for the observed reaction, the daily dose given, route of administration, how the drug was given (SIG Code), the start and stop dates that it was administered, the name of the manufacturer, lot number, number of previous doses given, the last fill date, the drug's expiration date, the National Drug Code number and the indication/reason for the drug's use.

In the Concomitant Drugs and History section (3), you may enter/edit information about the drugs that the patient was taking at the time of the reaction. This includes the name of the drug, the start/stop dates of administration, the last fill date, and how the drug was given (SIG Code). You can also enter a word-processing type response to indicate any other related history for this drug.

In the Manufacturer Information section (4), you may enter/edit data concerning a manufacturer that should be notified, including the name of the manufacturer, address, the IND/NDA (Investigational New Drug/New Drug Application) number, the manufacturer's control number, the date the drug was received by the manufacturer, the source of the report (i.e., Health Professional), whether the 15-day report was completed and the type of the report (e.g., Initial).

The Initial Reporter (5) section allows you to enter/edit data concerning the person filling out the report, including name, address, phone number, whether the reporter is a health care provider, whether the name of the reporter should be disclosed to the manufacturer, and the reporter's occupational title.

```
Select FDA Enter/Edit Menu Option: 1 Enter/Edit FDA Report Data

Select PATIENT NAME: ARTpatient,Two 04-25-31 000001112 SC VETERAN

Select CAUSATIVE AGENT: ASPIRIN 10-04-69 000001112   SC VETERAN
         ASPIRIN
Select date reaction was OBSERVED (Time Optional): T-10 (JAN 13, 2004) JAN
  13, 1996 (JAN 13, 2004)
  Are you adding 'JAN 13, 2004as
  a new ADVERSE REACTION REPORTING? Y (Yes)
Indicate which FDA Report Sections to be completed:
1. Reaction Information
2. Suspect Drug(s) Information
3. Concomitant Drugs and History
4. Manufacturer Information
5. Initial Reporter
Choose number(s) of sections to be edited: (1-5): 1
```

```
The following is the list of reported signs/symptoms for this reaction:
     Signs/Symptoms
--------------------------------------------------------------------------
   1 ANXIETY


Select Action (A)DD OR (D)ELETE: **A**


The following are the top ten most common signs/symptoms:
1. ANXIETY 7. HIVES
2. ITCHING,WATERING EYES 8. DRY MOUTH
3. HYPOTENSION 9. CHILLS
4. DROWSINESS 10. RASH
5. CHEST PAIN 11. OTHER SIGN/SYMPTOM
6. DIARRHEA
Enter from the list above : **7**


The following is the list of reported signs/symptoms for this reaction:

     Signs/Symptoms
--------------------------------------------------------------------------
   1 ANXIETY
   2 HIVES


Select Action (A)DD OR (D)ELETE: **< Enter>**


Patient died?: **N** NO
Reaction treated with RX drug?: **N** NO
Life Threatening illness?: **N** NO
Required hospitalization?: **N** NO
Prolonged Hospitalization?: **N** NO
Resulted in permanent disability?: **N** NO
Is this event a Congenital Anomaly?: **N** NO
Did this event require intervention to prevent impairment/damage?: **N** NO


THIS PATIENT HAS NO LAB TEST ON FILE FOR THIS ADVERSE REACTION REPORT
Select Action (A/D/E): **A**DD


View Tx/Test from: JAN 13, 2004// **< Enter>** (JAN 13, 2004)
To: JAN 13, 2004// **< Enter>** (JAN 13, 2004)


LAB TEST:
     Collection DT Test Name Specimen Results Hi/Low


     THERE IS NO LAB DATA FOR THIS PATIENT FOR THIS DATE RANGE.
Select TEST: **??**


Choose from:
1,25-DIHYDROXYVIT D3
1/2HR LTT
1/2Hr.GTT
1/2Hr.GTT (URINE)
11-DEOXYCORTISOL
17-HYDROXYCORTICOSTEROIDS
17-HYDROXYPROGESTERONE
17-KETOGENIC STEROIDS
17-KETOSTEROIDS,TOTAL
1HR LTT
1Hr.GTT
1Hr.GTT (URINE)
25 OH VITAMIN D
2HR LTT
2Hr.GTT
2Hr.GTT (URINE)
```

Adverse Reaction Tracking V4.0

```
3HR LTT
3Hr.GTT
3Hr.GTT (URINE)
4Hr.GTT
4Hr.GTT (URINE)
^
Select TEST: 1/2Hr.GTT (URINE)
Are you adding '1/2Hr.GTT (URINE)' as
a new RELEVANT TEST/LAB DATA (the 1ST for this ADVERSE REACTION
REPORTING)? Y (Yes)
RESULTS: ??
This field will contain the results for the particular test.
RESULTS: Enter results here.
COLLECTION D/T: T-10 (JAN 13, 2004)
Select TEST:
This patient has the following Test selected:
TEST/TX RESULTS DRAW DATE/TIME
1) 1/2Hr.GTT (URINE) Enter results here. 01/13/96
Select Action (A/D/E):

Indicate which FDA Report Sections to be completed: < Enter>
1. Reaction Information
2. Suspect Drug(s) Information
3. Concomitant Drugs and History
4. Manufacturer Information
5. Initial Reporter
Choose number(s) of sections to be edited: (1-5): < Enter>
```

Enter/Edit P&T Committee Data

This option will allow you to edit P&T data. It allows for the evaluation of a suspected Drug Reaction (ADR) by a qualified individual (e.g., clinical pharmacist, clinical pharmacologist), other than the attending physician.

You can also track a report to see if it has been sent to the FDA or manufacturer.

```
Select FDA Enter/Edit Menu Option: 2 Enter/Edit P&T Committee Data
Select PATIENT NAME: ARTpatient,One 10-04-69 000110111 SC VETERAN

Select CAUSATIVE AGENT: PENICILLIN 10-04-69 000110111  SC VETERAN PENICILLIN
Select date reaction was OBSERVED (Time Optional): T (JAN 24, 2004) JAN
24, 2004 (JAN 24, 2004)
  Are you adding 'JAN 24, 2004as
   a new ADVERSE REACTION REPORTING? Y (Yes)

P&T Report Completion
Serious ADR?: ??
   This field determines if the reaction is considered serious.
   Choose from:
     y YES
     n NO
Serious ADR?: y YES
ADR related to new drug?: n NO
Unexpected ADR?: y YES
ADR related to therapeutic failure?: n NO
Dose related?: n NO
P&T ACTION FDA REPORT: ??
     This field indicates if the P&T committee determined whether to send
     the report to FDA.
     Choose from:
       y YES
       n NO
P&T ACTION FDA REPORT: n NO
P&T ACTION MFR REPORT: n NO

ADDENDUM:
  1>ADD COMMENTS HERE
  2>
EDIT Option: < Enter>

Select PATIENT NAME: < Enter>
```

Reports Menu (Clinician)

This menu is part of the Adverse Reaction Tracking Clinician Menu. It is the only print option that the clinician needs for ART.

1. Active Listing of Patient Reactions
2. Print Patient Reaction Data
3. Print an FDA report for a Patient
4. List by Location of Unmarked ID Bands/Charts
5. Patient Allergies Not Signed Off
6. List by Location of Undocumented Allergies
7. List by Location Not Verified Reactions
8. List by Location and Date all Sign Reaction
9. List FDA data by Report Date

Active Listing of Patient Reactions

NOTE: This report lists the local data only. HDR data will not be included on these reports. Use VistAWeb and RDV to see remote data.

This option gives a brief listing of the active (data that is signed off and not entered in error) allergy/adverse reaction data for a particular patient. This report may be sent to a printer for a hard copy printout or displayed to the terminal screen. You may select a printer to get a hard copy printout, or display the report to the terminal screen.

The header of the display contains the report name, date and time it was run, patient's name, SSN, date of birth, and age. The body of the report divides the data by reaction type (e.g., Drug) and lists the causative agent, the signs/symptoms, and when they were observed or if they were historical, and whether it was verified. If the patient has no known reactions, the body of the report will display that the patient has no known allergies. If the patient was never asked if he/she has any allergy/adverse reactions, the body of the report will display a message stating that there are no reactions on file.

```
Select Reports Menu Option: 1 Active Listing of Patient Reactions

Select PATIENT: ARTpatient,One XXX-XX-69 000000111   ACTIVE DUTY

DEVICE: HOME// < Enter> HYPER SPACE




                ACTIVE ALLERGY/ADVERSE REACTION LISTING
                    Run Date/Time: 7/6/04 1:51:13 pm
ARTPATIENT,ONE               000000002            XX XX,1942 (XX)


                                                              OBS/
 ADVERSE REACTION                                   VERIFIED  HIST
-----------------------------------------------------------------------------


   TYPE: DRUG
   ==========
ACETAMINOPHEN                                         NO       OBS
     Reactions: ANXIETY (Jun 06, 2001@10:21)
ACETANILIDE                                          NO       HIST
     Reactions: CHILLS
ALOE VERA                                            YES      OBS
     Reactions: ANXIETY (Mar 06, 1997)
ASPIRIN                                              NO       HIST
     Reactions: RASH (Oct 31, 2001)
ASPIRIN/BUTALBITAL/CAFFEINE                          NO       HIST
     Reactions: NAUSEA,VOMITING (Oct 31, 2001)
BARIUM SULFATE                                       YES      OBS
     Reactions: HIVES
BERROPLEX                                            NO       HIST
     Reactions: DROWSINESS
CEPHALEXIN TABLETS, 250MG                            YES      OBS
     Reactions: THROMBOCYTOPENIA
DILANTIN                                             NO       OBS
     Reactions: CHILLS
ERYTHROMYCINS/MACROLIDES                             YES      OBS
```

```
         Reactions: ITCHING,WATERING EYES (Mar 06, 1997)
GREEN SOAP                                              YES      OBS
         Reactions: ANXIETY (May 19, 1997@14:25)
GREEN SOAP TINCTURE                                     YES      OBS
         Reactions: DRY MOUTH (May 19, 1997@14:23)
HALENOL 500MG CAPSULES                                  YES      HIST
         Reactions: ANXIETY (May 19, 1997@14:26)
HAYFEBROL SF                                            NO       HIST
         Reactions: CHILLS, ITCHING,WATERING EYES
OPIOID ANALGESICS                                       NO       OBS
         Reactions: ITCHING,WATERING EYES
PENICILLIN                                              NO       OBS
         Reactions: NAUSEA,VOMITING, DIARRHEA
PENICILLINS,AMINO DERIVATIVES                           YES      HIST
         Reactions: DEPRESSION (Jan 01, 1980)
RADIOLOGICAL/CONTRAST MEDIA                             YES      OBS
         Reactions: HIVES
WARFARIN                                                YES      OBS
         Reactions: HIVES (Mar 01, 1996)


   TYPE: DRUG, FOOD
   ================
ANTIRABIES SERUM                                        NO       OBS
         Reactions: CHILLS (Jun 08, 2004)
BEER                                                    NO       HIST
         Reactions: HYPOTENSION
SUNFLOWER OIL                                           NO       HIST


   TYPE: FOOD
   ==========
CHEESE                                                  YES      HIST
         Reactions: NAUSEA,VOMITING, DIARRHEA
FOLIC ACID                                              YES      HIST
         Reactions: DRY NOSE
STRAWBERRIES                                            YES      OBS
         Reactions: RASH
WATER                                                   NO       HIST
         Reactions: CHILLS
Enter  RETURN to continue or '^' to exit: ^
```

Print Patient Reaction Data

This option allows you to get a captioned data display of all of the patient's allergy/adverse reaction data. You can send the report to a printer for a hard copy printout or have it displayed on the terminal screen.

You can select the types of reactions to include in the report. Any combination of types can be selected (i.e., FOOD and DRUG). You then select the status of the reaction entry. Any combination can be selected (i.e., ACTIVE and ENTERED IN ERROR).

The header of the report contains the title of the report, the date/time it was run, and the patient's name, SSN, date of birth, and age. The body contains the status of the reaction, its type, the name of the causative agent, any drug ingredients, any VA drug classes, the name of the person who entered the data, and the date and time it was entered. It also contains whether or not the data was signed off (completed), whether the reaction was observed or historical, whether the patient ID band or chart is marked, a list of the signs/symptoms, and additional comments made by the originator. A line of dots appears in the body of the report between the various reaction entries.

```
Select PATIENT: ARTPATIENT,TWO      X-XX-31    000001112P    YES   MILITARY RETIREE
 Enrollment Priority: GROUP 2   Category: IN PROCESS    End Date:

Select 1:DRUG, 2:FOOD, 3:OTHER
Type of allergy:  (1-3): 1
Select 1:ACTIVE, 2:ENTERED IN ERROR
Which would you like to see?:  (1-2): 1

DEVICE: HOME// ;;999  ANYWHERE


                    ALLERGY/ADVERSE REACTION REPORTS
                    Run Date/Time: 7/6/04 1:54:59 pm
ARTPATIENT,TWO           000001112P             XX XX,1930 (XX)
--------------------------------------------------------------------------------

STATUS: ACTIVE
--------------
  TYPE: DRUG
  =========

        AGENT: ACETAMINOPHEN
  INGREDIENTS: ALCOHOL                    VA DRUG CLASSES: NON-OPIOID ANALGESICS
               ACETAMINOPHEN                              PHARMACEUTICAL AIDS/R
               PHENYLALANINE

   ORIGINATOR: ARTPROVIDER,ONE                ORIGINATED: JUN 06, 2001@10:21
     SIGN OFF: YES                              OBS/HIST: OBSERVED

ID BAND MARKED:                              CHART MARKED:

SIGNS/SYMPTOMS: ANXIETY   (Jun 06, 2001@10:21)

    MECHANISM: UNKNOWN

................................................................................
        AGENT: ACETANILIDE
```

```
   INGREDIENTS: ACETANILIDE              VA DRUG CLASSES: PHARMACEUTICAL AIDS/R

    ORIGINATOR: ARTPROVIDER,ONE                ORIGINATED: AUG 26, 2003@14:44
      SIGN OFF: YES                            OBS/HIST: HISTORICAL

ID BAND MARKED:                         CHART MARKED:

SIGNS/SYMPTOMS: CHILLS

    MECHANISM: UNKNOWN

.............................................................................
         AGENT: ALOE VERA
   INGREDIENTS: ALOE VERA               VA DRUG CLASSES: DERMATOLOGICALS,TOPIC

    ORIGINATOR: ARTPROVIDER,THREE              ORIGINATED: MAR 06, 1997@14:14
      SIGN OFF: YES                            OBS/HIST: OBSERVED

     ORIGINATOR
      COMMENTS:
           Date: Mar 06, 1997@14:14                 User: ARTNURSE,ONE
                                                    Title: NURSE
                 TESTING


ID BAND MARKED:                         CHART MARKED:

SIGNS/SYMPTOMS: ANXIETY   (Mar 06, 1997)

    MECHANISM: UNKNOWN

     VERIFIER: AUTOVERIFIED                    VERIFIED: FEB 16, 2004@11:44:19

     VERIFIER
      COMMENTS:
           Date: Feb 16, 2004@11:44:19               User: ARTPROVIDER,ONE
                                                    Title: PHYSICIAN
                 Auto-verified by patch 19 post-install


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

Print an FDA Report for a Patient

This option allows you to print an individual FDA report for a patient.

This option will also produce a listing of all allergy/adverse reactions that are awaiting sign-off by the person entering the data into the system. The report should be queued to run on a printer with a 132-column width.

```
Select Reports Menu Option: 3 Print an FDA Report for a Patient
Select PATIENT NAME: ARTPATIENT,THREE 12-01-34 000124443 SC VETERAN
Select CAUSATIVE AGENT: ??

CHOOSE FROM:
   AMPICILLIN
   CYCLOSPORINE
   GENTAMICIN
   PENICILLIN

Select CAUSATIVE AGENT: AMPI 12-01-34 000000003 SC VETERAN
   AMPICILLIN
Select date reaction was OBSERVED (Time Optional): 1/10/96 (JAN 10,
1996).1249
     ...OK? Yes// (Yes)
THIS REPORT SHOULD BE SENT TO A 132 COLUMN PRINTER.

QUEUE TO PRINT ON
DEVICE: PRINTER 132 (132 COLUMN)

Requested Start Time: NOW// < Enter> (JAN 25, 1996@10:36:17)
Request queued...
```

```
MEDWatch                                                 Approved by FDA on 10/20/93
------------------------------------------               -------------------------------------------------
THE FDA MEDICAL PRODUCTS REPORTING PROGRAM               | Triage unit sequence #
                                                         |
------------------------------------------               -------------------------------------------------
                                                         |
                                                         |
                           Page 1 of 1                   -------------------------------------------------
============================================================================================================
A. Patient Information                                   | C. Suspect Medication(s)
============================================================|xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
                                                         |
1. Patient Indentifier|2. DOB: XX/XX/34 |3. Sex|4. Weight |1. Name
T4443 | AGE: XX yrs |FEMALE| 0.0                  |  #1 : AMPICILLIN
xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx|xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
                                                         |
B. Adverse Event or Product Problem                      |
---------------------------------------------------------|---------------------------------------------------
1. [X]Adverse Event [ ]Product problem                   |2. Dose,frequency & route used | 3. Therapy dates
---------------------------------------------------------| #1:                           | #1 :
2. Outcomes attributed to adverse event                  |---------------                |---------------------------
[ ] death:          [ ] disability                       |                               |
[ ] life-threatening [ ] congenital anomaly              |-------------------------------------------------------
[ ] Hospitalization  [ ] required intervention to        |4.Diagnosis for use(indication)|5. Event abated after use
initial or prolonged prevent impairment/damage           |                               | stopped or dose reduced?
             [X] other                                   | #1:                           | #1: [N/A]
---------------------------------------------------------|--------------------------------
3. Date of event              |4. Date of this report |  |                               |
   01/10/96                   | 01/30/96              |--|-------------------------------------------------------
---------------------------------------------------------|6. Lot # (if known) |7. Exp. date|8. Event reappeared after
5. Describe event or problem                             |                    |            | reintroduction
RASH                                                     | #1:                | #1:        | #1: [ ]
                                                         |--------------------|------------|---------------------------
                                                         |                    |            |
                                                         |-------------------------------------------------------
                                                         |9. (Not applicable to adverse drug event reports)
---------------------------------------------------------|-------------------------------------------------------
6. Relevant test/laboratory data. including dates        |10. Concomitant medical products/therapy dates(exclude
treatment)
```

```
                                          |                |
                                          |                |
                                          |                |
                                          |================|================================================
---------------------------------------------|D. Suspect Medical Devices
7. Other relevant History, including preexisting medical      |--------------------------------------------------------------
conditions                                   | Note: Please use the actual MedWatch form if the event
                                             | involves a suspected device as well as a suspect drug
                                             |================================================================
                                             |E. Reporter
                                             |--------------------------------------------------------------
                                             |1. Name, address & phone #:
=========================================================|
                                             |
Mail to: MedWatch          or FAX to:        |--------------------------------------------------------------
5600 Fishers Lane          1-800-FDA-0178    |2. Health professional? |3. Occupation |4. Reported to Mfr.
Rockville, MD XXXXX                           |    [ ]                 |              |      [NO]
                                             |--------------------------------------------------------------
                                             |5. If you don't want your identity disclosed to the
Manufacturer,
                                             | place an  "X" in the box. [ ]
FDA Form 3500
|================================================================
Submission of a report does not constitute an admission that medical personnel or the product caused or contributed to the event.
```

List by Location of Unmarked ID Bands/Charts

This option will find all patients in the system who have not had their ID bands or charts marked. This option will also produce a list of all patients by ward/clinic who have not had their chart or ID bands marked. This report functions like the List of Patients Not Asked About Allergies option. It should be noted that you will be prompted to queue all reports except when choosing the Current Inpatients report by itself (i.e., #1).

```
Select Reports Menu Option: 4 List by Location of Unmarked ID Bands/Charts
      1 Current Inpatients
      2 Outpatients over Date/Time range
      3 New Admissions over Date/Time range
      4 All of the above
Enter the number(s) for those groups to be used in this report: (1-4): 4
Enter date/time range in which patients were
admitted into the hospital or seen at an outpatient clinic.

Enter START Date (time optional): T-90 (APR 07, 2004)
Enter END Date (time optional): T// < Enter> (JUL 06, 2004)
```

The location prompt allows you to select the ward or clinic that you want to print, or select all the wards/clinics by entering the word ALL, and the system will select all the appropriate hospital locations.

```
Select Location: ?

   You may deselect from the list by typing the - followed by location
   name.
   E.g. -3E would delete 3E from the list of locations already
   selected.
Answer with HOSPITAL LOCATION NAME, or ABBREVIATION
Choose from:
  1A
  1S
  GMC REDACTED
  PHYSICAL EXAM
Select Location: 1A
Another Location: < Enter>

QUEUE TO PRINT ON
DEVICE: SELECT APPROPRIATE PRINTER
Requested Start Time: NOW// < Enter> (JUL 6 2004@13:42:26)
Request queued...

Jul 6,2004           PATIENTS WITH UNMARKED ID BAND/CHART          PAGE 1
             CURRENT INPATIENTS / OUTPATIENTS / NEW ADMISSIONS
                  FROM Apr 7,2004      TO Jul 6,2004@24:00


PATIENT                    SSN           ALLERGY           UNMARKED
--------------------------------------------------------------------------

        WARD: 1A(1&2)
ARTPATIENT,ONE             000-00-0111   Da DRUG           ID BAND/CHART
                                         DUST              ID BAND/CHART
                                         AMPICILLIN        ID BAND/CHART
```

```
                                                  ASPIRIN              ID BAND/CHART
                                                  CHOCOLATE            ID BAND/CHART
                                                  MILK OF MAGNESIA     ID BAND/CHART
                                                  AMOXICILLIN          ID BAND/CHART
                                                  PENICILLIN           ID BAND/CHART
                                                  MENTHOL              ID BAND/CHART
ARTPATIENT,TWO              000-00-1112           AMOXICILLIN          ID BAND/CHART
                                                  DUST                 ID BAND/CHART
                                                  ZANTAC               ID BAND/CHART
ARTPATIENT,THREE           000-00-1113           CEPHALEXIN TABLETS,   ID BAND/CHART
                                                  CHEESE               ID BAND/CHART
                                                  BARIUM SULFATE       ID BAND/CHART
                                                  OPIOID ANALGESICS    ID BAND/CHART
                                                  RADIOLOGICAL/CONTRAS ID BAND/CHART
                                                  FOLIC ACID           ID BAND/CHART
                                                  STRAWBERRIES         ID BAND/CHART
ARTPATIENT,FOUR            000-00-1114           STRAWBERRIES         ID BAND/CHART
ARTPATIENT,FIVE            000-00-1115           CHOCOLATE            ID BAND/CHART
                                                  BLUE CROSS AMPICILLI ID BAND/CHART
                                                  ACETAMINOPHEN TAB    ID BAND/CHART
                                                  STRAWBERRIES         ID BAND/CHART
                                                  ASPIRIN/BUTALBITAL   ID BAND/CHART
```

Patient Allergies Not Signed Off

This option prints allergy/adverse reactions for patients that have not been signed off (completed) by the user entering data. Users who have the GMRA-ALLERGY VERIFY key will see all reactions that are not signed off. Users who do not have that key will see just the entries that they created. You may select a printer to get a hard copy printout or display the report to the terminal screen.

The header of the report contains the name of the report and the date and time that it was run. The body of the report lists the name of the person who entered the date, the patient's name followed by the last four digits of the SSN, the causative agent, and the date/time the entry was made.

```
Select Reports Menu Option: 5 Patient Allergies Not Signed Off
DEVICE: HOME// < Enter> HYPER SPACE
ALLERGY/ADVERSE REACTIONS TO BE SIGNED OFF
Run Date/Time: 1/18/96 1:23:52 pm
ORIGINATOR      PATIENT                    ALLERGY      ORIGINATION DATE/TIME
-----------------------------------------------------------------
ARTPROVIDER,ONE   ARTPATIENT,ONE (0111)    PENICILLIN      FEB 18, 1993@10:59
ARTPROVIDER,ONE   ARTPATIENT,ONE (0111)    FROG            FEB 18, 1993@15:14
ARTPROVIDER,ONE   ARTPATIENT,TWO (0112)    THORAZINE 10MG  FEB 22, 1993@13:20
ARTPROVIDER,ONE   ARTPATIENT,THREE (0113)  PENICILLIN      JUN 22, 1993@11:44
ARTPROVIDER,ONE   ARTPATIENT,THREE (0113)  PHENYTOIN       JUN 22, 1993@11:48
ARTPROVIDER,ONE   ARTPATIENT,THREE (0113)  DEMECARIUM      JUN 22, 1993@12:00
ARTPROVIDER,ONE   ARTPATIENT,THREE (0113)  ASPIRIN         JUN 22, 1993@12:08
ARTPROVIDER,ONE   ARTPATIENT,FOUR (0114)   PHENOBARBITAL   JUN 25, 1993@10:33
ARTPROVIDER,ONE   ARTPATIENT,THREE (0113)  PHENOBARBITAL   JUN 25, 1993@10:39
ARTPROVIDER,ONE   ARTPATIENT,TWO (0112)    CODEINE         JUN 30, 1993@08:55
ARTPROVIDER,ONE   ARTPATIENT,FIVE (0115)   THOR - PROM     AUG 11, 1993@10:35
ARTPROVIDER,ONE   ARTPATIENT,FIVE (0115)   IMMUNE GLOBULIN AUG 18, 1993@10:02
ARTPROVIDER,ONE   ARTPATIENT,FIVE (0115)   CYCLOBENZAPRINE JUL 11, 1994@14:11
ARTPROVIDER,ONE   ARTPATIENT,FIVE (0115)   SULFABENZAMIDE/S JUL 11, 1994@14:14
Enter  RETURN to continue or '^' to exit: ^
```

List by Location of Undocumented Allergies

This report is used to list all patients in the patient database who have never been asked if they have any known allergies. It should be noted that you will be prompted to queue all reports except stand-alone Current Inpatients' reports. The header of the report contains the date the report was run, title of the report, the list of the groups included (i.e., current inpatients), and any date ranges entered. The body of the report categorizes the patients by clinic or ward. It lists the patient's name, SSN, and provider. The room-bed will appear for current inpatients.

```
Select Adverse Reaction Tracking User Menu Option: 6 List by Location of
Undocumented Allergies
    1 Current Inpatients
    2 Outpatients over Date/Time range
    3 New Admissions over Date/Time range
    4 All of the above
Enter the number(s) for those groups to be used in this report: (1-4): 4
 Enter date/time range in which patients were
 admitted into the hospital or seen at an outpatient clinic.

Enter START Date (time optional): T-180  (JAN 08, 2004)
Enter END Date (time optional): T//   (JUL 06, 2004)
Select Location:    2B MED
Another Location: 1A(1&2)
Another Location:<Enter>
QUEUE TO PRINT ON
DEVICE: SELECT APPROPRIATE PRINTER
Requested Start Time: NOW// < Enter> (JAN 19, 1996@10:29:44)
Request queued...

Jul 6,2004              PATIENTS NOT ASKED ABOUT ALLERGIES          PAGE 1
              CURRENT INPATIENTS / OUTPATIENTS / NEW ADMISSIONS
                    FROM Jan 8,2004    TO Jul 6,2004@24:00


PATIENT                        SSN           PROVIDER
-------------------------------------------------------------------------------

        WARD: 1A(1&2)
ARTPATIENT,FIVE                000-00-0115    ARTPROVIDER,ONE
ARTPATIENT,THREE               000-00-0113
ARTPATIENT,TWO                 000-00-0112    ARTPROVIDER,TWO
    Room/Bed: B-2
ARTPATIENT,FOUR                000-00-0114    ARTPROVIDER,FOUR
    Room/Bed: 9-B
Enter RETURN to continue or '^' to exit:<Enter>

Jul 6,2004              PATIENTS NOT ASKED ABOUT ALLERGIES          PAGE 2
              CURRENT INPATIENTS / OUTPATIENTS / NEW ADMISSIONS
                    FROM Jan 8,2004    TO Jul 6,2004@24:00


PATIENT                        SSN           PROVIDER
-------------------------------------------------------------------------------
        WARD: 2B MED
ARTPATIENT,SIX                 000-00-0116    ARTPROVIDER,FOUR
ARTPATIENT,SEVEN               000-00-0117    ARTPROVIDER,FOUR
Enter RETURN to continue or '^' to exit: <Enter>
```

List by Location Not Verified Reactions

This option prints a list of patient reactions that have not been verified. The data is sorted by hospital location, patient, and reaction. You can send the report to a printer for a hard copy or to the terminal screen. This report can be scheduled to automatically run at a regular interval (e.g., daily). Contact your ADPAC or IRM support person to schedule this report to automatically run. The option name to schedule this report to automatically run is GMRA TASK A/AR NV.

The header of this report contains the name of the report, the date it was run, and the hospital location. The body contains the patient's name and SSN, the causative agent, the name of the originator of the reaction, and the date/time of data origination. The Room-Bed is also displayed for each patient.

```
Select Reports Menu Option: 7  List by Location Not Verified Reactions


DEVICE: HOME//   ANYWHERE

Report Date: Jul 06, 2004                                  Page: 1
                List of Unverified Reactions by Ward Location
                          Ward Location: 13A PSYCH
   Origination Date/Time     Originator              Reaction
---------------------------------------------------------------------------
ARTPATIENT,ONE (000-00-0111)
   Jul 16, 2003@11:49        ARTPROVIDER,ONE         RANITIDINE
ARTPATIENT,TWO (000-00-0112)
   Jul 09, 1996@08:04        ARTPROVIDER,TWO         STRAWBERRIES
ARTPATIENT,THREE (000-00-0113)
   Jul 09, 1996@08:04        ARTPROVIDER,TWO         DUST
ARTPATIENT,FOUR (000-00-0114)
   Jul 09, 1996@08:04        ARTPROVIDER,TWO         FISH LIVER OIL
ARTPATIENT,FIVE (000-00-0115)
   May 24, 1999@14:21        ARTPROVIDER,THREE       MILK
   Jul 02, 1999@13:40        ARTPROVIDER,THREE       BERGAMOT
   Aug 20, 1999@09:27        ARTPROVIDER,THREE       RANITIDINE
Enter RETURN to continue or '^' to exit:
```

List by Location and Date all Signed Reactions

This option prints a list of all patient reactions that have been signed off (completed) for a user supplied date range. The data is sorted by location and date range. This report can be sent to a printer for a hard copy printout or displayed on your terminal screen. The header of the report contains the title, the date range selected by you, the date that the report was run, and the hospital location. The body of the report contains the patient's name and SSN, the causative agent's name and type, the name of the data's originator, and the date/time of data origination.

```
Select Reports Menu Option:  List by Location and Date All Signed
Reactions
Enter Start Date: t-180  (JAN 08, 2004)
Enter Ending Date: t  (JUL 06, 2004)


DEVICE: HOME//   ANYWHERE

One moment please...

Jul 06, 2004                                              Page: 1
        List all Signed Patient Reactions for Ward Location 1A(1&2)
             From Jan 08, 2004 to Jul 06, 2004@24:00
Date                 Originator              Type Causative Agent
-------------------------------------------------------------------------
         Patient: ARTPATIENT,SIX (000-00-0116)
Jan 12, 2004@12:56  ARTPROVIDER,ONE                 D   HAYFEBROL SF
Jun 11, 2004@15:25  ARTPROVIDER,TWO                 D   DIRITHROMYCIN
Jun 08, 2004@12:15  ARTPROVIDER,THREE               DF  ANTIRABIES SERUM


         Patient: ARTPATIENT,SEVEN (000-00-0117)
Feb 26, 2004@11:29  ARTPROVIDER,ONE              D   ZANTAC
May 04, 2004@10:52  ARTPROVIDER,ONE              D   FORMALDEHYDE
May 04, 2004@10:55  ARTPROVIDER,ONE              D   CONTACT LENS WETTING
SOLN
May 04, 2004@10:56  ARTPROVIDER,ONE              D   NICO 400
May 04, 2004@10:57  ARTPROVIDER,ONE              DF  CORN
May 04, 2004@11:00  ARTPROVIDER,ONE              DF  BCG VACCINE


         Patient: ARTPATIENT,EIGHT (000-00-0118)
Feb 26, 2004@11:31  ARTPROVIDER,ONE              D   ZANTAC


         Patient: ARTPATIENT,NINE (000-00-0119)
Feb 05, 2004@10:51  ARTPROVIDER,TWO              F   STRAWBERRIES
Enter RETURN to continue or '^' to exit:
```

List FDA Data by Report Date

This option displays a report of FDA data that tracks when a reaction was observed and when it was entered into the database. You must enter a date range. This report can be printed or sent to the terminal screen.

The header of the report contains the name of the report, the date range that you selected, and the date that the report was run. The body of the report contains the patient's name and SSN, the name of the causative agent, the patient's location, the observation date of the reaction, the date the reaction was actually reported, the difference (i.e., the number of days) between the observation date and when it was reported, and the name of the person who observed the reaction.

```
Select Reports Menu Option: 9  List FDA Data by Report Date
Select a Tracking date range for this report.
Enter Start Date: t-180  (JAN 08, 2004)
Enter Ending Date: t  (JUL 06, 2004)


DEVICE: HOME//   ANYWHERE

Report Date: Jul 06, 2004                                   Page: 1
                    Adverse Reaction Tracking Report
                       From: 1/8/04 To: 7/6/04
Patient                             Dates    Related Reaction
----------------------------------------------------------------------
ARTPATIENT,ONE                  Obs DT: 1/27/04   DUST
(000-00-1111)                   Trk DT: 1/27/04
Loc: 1A(1&2)                    -------------
Obs: ARTPROVIDER,ONE               0 Days Difference

ARTPATIENT,TWO                  Obs DT: 1/30/04   CHOCOLATE
(000-00-1112)                   Trk DT: 1/30/04
Loc: OUT PATIENT                -------------
Obs: ARTPROVIDER,ONE            0 Days Difference

ARTPATIENT,THREE                Obs DT: 1/30/04   CHOCOLATE
(355-67-1996)                   Trk DT: 1/30/04
Loc: 8E REHAB MED               -------------
Obs: ARTPROVIDER,ONE            0 Days Difference

ARTPATIENT,FOUR                 Obs DT: 2/2/04    ZANTAC
(000-00-0114)                   Trk DT: 2/2/04
Loc: 1A(1&2)                    -------------
Obs: ARTPROVIDER,ONE             0 Days Difference

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

Edit Chart and ID Band

This option allows you to enter whether a patient's ID band or the chart has been marked.
It should be used by the personnel charged with the responsibility of making sure that the
patient's paper chart has been marked to indicate that an allergy/adverse reaction is
present. You select a patient and the various causative agents associated with that patient
are displayed. Any number of agents may be selected by you to indicate whether the
patient chart has been marked.

```
Select Adverse Reaction Tracking Clinician Menu Option: 4 Edit Chart
and ID Band

Select Patient: ARTPATIENT,ONE XX-XX-69 000000002 SC VETERAN

CHOOSE FROM:
   ASPIRIN
   COD LIVER OIL
   DEMECARIUM
   FROGS
   PENBUTOLOL
   PENICILLIN
   PHENOBARBITAL
   PHENYTOIN
   PREDNISONE
   THOR - PROM
   TIMOLOL
   TYLOXAPOL

Select CAUSATIVE AGENT: ASPIRIN XX-XX-69 000000002 SC VETERAN
ASPIRIN

Select another CAUSATIVE AGENT: PENICILLIN XX-XX-69 000000002
SC VETERAN PENICILLIN
Select another CAUSATIVE AGENT: < Enter>
This session you have CHOSEN:
    PENICILLIN
    ASPIRIN

Has the ID Band been marked for these CAUSATIVE AGENTS? ??
    ANSWER YES IF THE ID Band HAS BEEN MARKED, ELSE ANSWER NO
Have the Chart(s) been marked for these CAUSATIVE AGENTS? Y (Yes)
```

Adverse Reaction Tracking Verifier Menu

This menu should be given to the verifiers of the Adverse Reaction Tracking data. The options on this menu will allow you to edit/verify/print the data.

This menu should *only* be given to the verifiers of ART.

1. Enter/Edit Patient Reaction Data
2. Verify Patient Reaction Data
3. Reports Menu...
4. Edit Chart and ID Band
5. FDA Enter/Edit Menu…
6. Online Reference Card

Enter/Edit Patient Reaction Data

This option allows users to enter and edit patient allergies/adverse reactions. You are prompted to enter the name of the agent that caused the reaction, whether the reaction was observed during the patient's stay/visit at the facility, any signs or symptoms associated with the reaction, the date and time the sign/symptom occurred, the type of reaction (i.e., mechanism), any appropriate comments concerning the entry, and whether the patient's chart is marked for this reaction.

See Page 10 for descriptions of the prompts for this option.

Example:

```
Select Adverse Reaction Tracking Verifier Menu Option: 1  Enter/Edit Patient Reaction
Data

Select PATIENT NAME: ARTPATIENT,ONE        X-X-51   000000005     NO     EMPLOYEE
 Enrollment Priority: GROUP 7   Category: IN PROCESS    End Date:


                                                        OBS/
REACTANT                                        VER.   MECH.   HIST  TYPE
--------                                        ----   -------  ----  ----
CHOCOLATE                                       AUTO   ALLERGY  HIST  DRUG
 (CHOCOLATE FLAVORING)                                                FOOD
    Reactions: CHILLS, DROWSINESS, DRY MOUTH


Enter Causative Agent: straw

Checking existing PATIENT ALLERGIES (#120.8) file for matches...


Now checking GMR ALLERGIES (#120.82) file for matches...
BERRIES
   STRAWBERRIES   OK? Yes// <Enter>   (Yes)


(O)bserved or (H)istorical Allergy/Adverse Reaction: o  OBSERVED
Select date reaction was OBSERVED (Time Optional): t  (DEC 06, 2004)   DEC 06,
2004  (DEC 06, 2004)
  Are you adding 'DEC 06, 2004' as
    a new ADVERSE REACTION REPORTING? No// y  (Yes)


No signs/symptoms have been specified.  Please add some now.

The following are the top ten most common signs/symptoms:
 1. CHILLS                      7. HIVES
 2. ITCHING,WATERING EYES       8. DRY MOUTH
 3. HYPOTENSION                 9. DRY NOSE
 4. DROWSINESS                 10. RASH
 5. NAUSEA,VOMITING            11. OTHER SIGN/SYMPTOM
 6. DIARRHEA
Enter from the list above :  10
Date(Time Optional) of appearance of Sign/Symptom(s): Dec 06, 2004//<Enter>  (DEC 06,
2004)


The following is the list of reported signs/symptoms for this reaction:
```

```
     Signs/Symptoms                                    Date Observed
-----------------------------------------------------------------------
  1  RASH                                              Dec 06, 2004


Select Action (A)DD, (D)ELETE OR <RET>: <Enter>


COMMENTS:
  1>
Complete the observed reaction report? Yes// <Enter>  (Yes)
DATE/TIME OF EVENT: DEC 6,2004// <Enter>
OBSERVER: ARTPROVIDER,TEN     TA           PHYSICIAN
SEVERITY: mi  MILD
DATE MD NOTIFIED: Dec 6,2004// <Enter>  (DEC 06, 2004)
Enter another Causative Agent? YES// n  NO


                            Dec 06, 2004@15:01:50
Causative Agent Data edited this Session:
ADVERSE REACTION
----------------
  STRAWBERRIES


         Obs/Hist: OBSERVED
          Obs d/t: Dec 06, 2004
   Signs/Symptoms: RASH (12/6/04)


Is this correct? NO// y  YES


Opening Adverse React/Allergy record for review...


Browse Document           Dec 06, 2004@15:01:50       Page:   1 of   1
                        Adverse React/Allergy
CPRSPATIENTCANC000-11-1995   2B MED            Adm: 02/18/2003  Dis:

DATE OF NOTE: DEC 06, 2004@15:01:49  ENTRY DATE: DEC 06, 2004@15:01:50
     AUTHOR: ARTPROVIDER,TEN            EXP COSIGNER:
     URGENCY:                          STATUS: UNSIGNED


This patient has had the following reactions
signed-off on Dec 06, 2004@15:01:49.

STRAWBERRIES



      + 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// s
Enter your Current Signature Code: xxxxxx SIGNATURE VERIFIED
Print this note? Yes// n (No)
Enter another Causative Agent? YES// n NO
This session you have CHOSEN:
    STRAWBERRIES


Has the ID Band been marked for this CAUSATIVE AGENT? y  (Yes)??

Select PATIENT NAME: < Enter>
```

Verify Patient Reaction Data

This option allows designated verifiers to verify the correctness of data entered by the clinical users. The verifier may select a single patient's data to verify or a list or range (e.g., 1,3,7 or 1-10) of patients to verify. The verifier may select to view/verify drug reactions only, non-drug reactions only, or drug and non-drug reactions. The reaction data is displayed and the verifier may edit the causative agent, type, ingredients, drug class, observed/historical response, signs/symptoms, and mechanism. The verifier may enter any appropriate comments.

If the verifier answers YES to the "change status of this allergy/adverse reaction to verified" prompt, the reaction will be marked as verified. If the verifier answers NO to that prompt, the reaction is marked as entered in error.

If no hospital location is associated with the patient, the verifier will be prompted to enter a location.

A progress note is created. The verifier may electronically sign, edit, or delete the progress note. The verifier may print the progress note, too.

```
Select Adverse Reaction Tracking Verifier Menu Option: 2  Verify Patient
Reaction Data
Would you like to verify a single patient's data? NO// YES

Select PATIENT NAME: CPRSPATIENT,FIVE         X-XX-44    000000001     YES
 EMPLOYEE
 Enrollment Priority: GROUP 2    Category: IN PROCESS     End Date:


                  D   Drug
                  N   Non-drug
                  B   Both
Select type of AGENT to verify:(D/N/B): DRUG


                                                    OBS/
  PATIENT                          ALLERGY          HIST ADR TYPE
  -------                          -------          ---- --- ----
1. CPRSPATIENT,FIVE (0001) 1A(1&2)  ANTIRABIES SERUM   OBS  UNK DRUG
                                                              FOOD
2. CPRSPATIENT,FIVE (0001) 1A(1&2)  ASPARTAME          OBS  UNK DRUG
                                                              FOOD
3. CPRSPATIENT,FIVE (0001) 1A(1&2)  ASPIRIN            HIST UNK DRUG
                                                              FOOD
Select a number between 1-3: 1

      PATIENT: CPRSPATIENT,FIVE        CAUSATIVE AGENT: ANTIRABIES SERUM
  INGREDIENTS: ANTIRABIES SERUM        VA DRUG CLASSES: IMMUNE SERUMS

   ORIGINATOR: ARTPROVIDER,ONE            ORIGINATED: Jun 08, 2004@12:15
     SIGN OFF: YES                          OBS/HIST: OBSERVED
                                             OBS D/T: Jun 08, 2004@12:15
```

```
        ORIGINATOR
         COMMENTS:
            Date: Jun 08, 2004@12:16:50              User: CPRSPROVIDER,TWO
                                                    Title:
                chills and sweating


ID BAND MARKED:                           CHART MARKED:

SIGNS/SYMPTOMS: CHILLS  (Jun 08, 2004@12:15)

     MECHANISM: UNKNOWN
Is the reaction information correct? Yes// <Enter>  (Yes)


CAUSATIVE AGENT: ANTIRABIES SERUM
           TYPE: DRUG, FOOD
     INGREDIENTS: ANTIRABIES SERUM
VA DRUG CLASSES: IM400 - IMMUNE SERUMS
        OBS/HIST: OBSERVED

 SIGNS/SYMPTOMS: CHILLS  (Jun 08, 2004@12:15)
      MECHANISM: UNKNOWN

Would you like to edit any of this data? N  (No)

        ORIGINATOR
         COMMENTS:
            Date: Jun 08, 2004@12:16:50              User: CPRSPROVIDER,TWO
                                                    Title:
                chills and sweating

COMMENTS:
  1>
        PATIENT: CPRSPATIENT,FIVE        CAUSATIVE AGENT: ANTIRABIES SERUM
   INGREDIENTS: ANTIRABIES SERUM        VA DRUG CLASSES: IMMUNE SERUMS

    ORIGINATOR: ARTPROVIDER,TWO              ORIGINATED: Jun 08, 2004@12:15
      SIGN OFF: YES                            OBS/HIST: OBSERVED
                                                OBS D/T: Jun 08, 2004@12:15

        ORIGINATOR
         COMMENTS:
            Date: Jun 08, 2004@12:16:50              User: CPRSPROVIDER,TWO
                                                    Title:
                chills and sweating


Enter RETURN to continue or '^' to exit:

                              Dec 06, 2004@15:51:38
ID BAND MARKED:                           CHART MARKED:

SIGNS/SYMPTOMS: CHILLS  (Jun 08, 2004@12:15)

     MECHANISM: UNKNOWN
```

```
Change status of this allergy/adverse reaction to verified? Y  (Yes)

Opening Adverse React/Allergy record for review...


Browse Document                Dec 06, 2004@15:51:38      Page:   1 of    1
                          Adverse React/Allergy
CPRSPATIENT,FIVE  000-46-0001   1A(1&2)           Adm: 10/15/2001  Dis:

DATE OF NOTE: DEC 06, 2004@15:51:37  ENTRY DATE: DEC 06, 2004@15:51:37
     AUTHOR: ARTPROVIDER,ONE          EXP COSIGNER:
     URGENCY:                              STATUS: UNSIGNED

This patient has had an allergy to ANTIRABIES SERUM
verified on Dec 06, 2004@15:51:37.


     + 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: Users can enter/edit their own electronic signature code.

Reports Menu (Verifier)

This menu is part of the Adverse Reaction Tracking Verifier Menu. It is the only print menu that the verifier will need for ART.

1.   Active Listing of Patient Reactions
2.   Print Patient Reaction Data
3.   Print an FDA report for a Patient
4.   Print all FDA events within D/T range
5.   Print Patient FDA Exception Data
6.   Print all FDA Exceptions within a D/T range
7.   List by Location of Unmarked ID Bands/Charts
8.   Patient Allergies Not Signed Off
9.   List by Location of Undocumented Allergies
10.   List Autoverified Reaction Data
11.   List by Location Not Verified Reactions
12.   List by Location and Date all Sign Reactions
13.   List FDA Data by Report Date

Active Listing of Patient Reactions

This option gives a brief listing of the active (data that is signed off and not entered in error) allergy/adverse reaction data for a particular patient. You may select a printer to get a hard copy printout, or display the report to the terminal screen.

The header of the display contains the report name, date and time it was run, patient's name, SSN, date of birth, and age. The body of the report divides the data by reaction type (e.g., Drug) and lists the causative agent, the signs/symptoms, and when they were observed or if they were historical, and whether it was verified.

If the patient has no known reactions, the body of the report will display that the patient has no known allergies. If the patient was never asked if he/she has any allergy/adverse reactions, the body of the report will display a message stating that there are no reactions on file.

```
Select PATIENT:     ARTPATIENT,TWO X-XX-42     000000112     YES      ACTIVE DUTY
 Enrollment Priority:            Category: IN PROCESS    End Date:


DEVICE: HOME// ;;999  ANYWHERE



                  ACTIVE ALLERGY/ADVERSE REACTION LISTING
                    Run Date/Time: 6/25/04 11:56:58 am
ARTPATIENT,TWO            000-00-0112              XX XX,1942 (XX)


                                                                OBS/
 ADVERSE REACTION                                    VERIFIED   HIST
--------------------------------------------------------------------------


   TYPE: DRUG
   ==========
ALLENT                                                 YES       HIST
ALUMINUM ACETATE                                       YES       HIST
     Reactions: CHILLS (Nov 25, 2002)
AMOXICILLIN                                            NO        HIST
AMPICILLIN                                             NO        HIST
BILBERRY                                               YES       HIST
CANDESARTAN                                            YES       HIST
CARAMEL                                                YES       HIST
     Reactions: HIVES (Jan 22, 1998),
              ITCHING,WATERING EYES (Jan 22, 1998)
CORICIDIN TAB                                          YES       OBS
     Reactions: CHILLS, HYPOTENSION, NAUSEA,VOMITING
CORN STARCH                                            YES       HIST
CORRECTOL                                              YES       HIST
CORTICOTROPIN                                          YES       HIST
CORTICOTROPIN/ZINC HYDROXIDE                           YES       HIST
EYE WASHES/LUBRICANTS                                  NO        OBS
     Reactions: DROWSINESS
FILGRASTIM                                             YES       HIST
HAYFEBROL SF                                           NO        HIST
```

```
       Reactions: ITCHING,WATERING EYES
LOMEFLOXACIN                                         YES      OBS
       Reactions: ITCHING,WATERING EYES (Mar 10, 1999)
OXYCODONE                                            YES      HIST
PENICILLINS                                          NO       HIST
PENTAMIDINE                                          YES      HIST
PENTAZOCINE                                          YES      HIST
PENTETIC ACID                                        YES      HIST
RANITIDINE                                           YES      OBS
       Reactions: CHILLS (Nov 26, 2002@11:16)
TACRINE                                              YES      HIST
TAPE                                                 YES      HIST
TAVIST                                               NO       HIST
TAVIST                                               NO       HIST
WARFARIN                                             YES      HIST
WATER                                                NO       HIST
ZANTAC                                               YES      HIST


   TYPE: DRUG, FOOD
   ================
CHOCOLATE                                            YES      HIST
FLUPHENAZINE DECANOATE                               NO       HIST
PEANUT OIL                                           NO       OBS
       Reactions:
                 ITCHING,WATERING EYES (Oct 05, 2000@24:00),
                 ANXIETY (Oct 06, 2000@09:27)
SHELL FISH                                           NO       HIST


   TYPE: FOOD
   ==========
NUTS                                                 YES      HIST
       Reactions: HIVES (Jan 02, 1998)
PEACHES                                              YES      HIST
STRAWBERRIES                                         YES      HIST


   TYPE: OTHER
   ===========
DUST                                                 YES      HIST
Enter RETURN to continue or '^' to exit:
```

Print Patient Reaction Data

This option allows you to get a captioned data display of all of the patient's allergy/adverse reaction data. You can send the report to a printer for a hard copy printout or have it displayed on the terminal screen.

You can select the types of reactions to include in the report. Any combination of types can be selected (i.e., FOOD and DRUG). You then select the status of the reaction entry. Any combination can be selected (i.e., ACTIVE and ENTERED IN ERROR).

The header of the report contains the title of the report, the date/time it was run, and the patient's name, SSN, date of birth, and age. The body contains the status of the reaction, its type, the name of the causative agent, any drug ingredients, any VA drug classes, the name of the person who entered the data, and the date and time it was entered. It also contains whether or not the data was signed off (completed), whether the reaction was observed or historical, whether the patient ID band or chart is marked, a list of the signs/symptoms, and additional comments made by the originator. A line of dots appears in the body of the report between the various reaction entries.

```
Select Adverse Reaction Tracking User Menu Option: 7 Print Patient Reaction
Data

Select PATIENT: ARTPATIENT,ONE XX-XX 000000111 SC VETERAN
Select 1:DRUG, 2:FOOD, 3:OTHER
Type of allergy: (1-3): 1
Select 1:ACTIVE, 2:ENTERED IN ERROR
Which would you like to see?: (1-2): 1

DEVICE: HOME// < Enter> HYPER SPACE


                    ALLERGY/ADVERSE REACTION REPORTS
                     Run Date/Time: 7/2/04 9:18:55 am
ARTPATIENT,ONE          000-00-0111             XX XX,1942 (XX)
-----------------------------------------------------------------------------

STATUS: ACTIVE
--------------
  TYPE: DRUG
  =========


        AGENT: ALLENT
  INGREDIENTS: PSEUDOEPHEDRINE            VA DRUG CLASSES: ANTIHISTAMINE/DECONGE
               BROMPHENIRAMINE

   ORIGINATOR: ARTPROVIDER,TWO               ORIGINATED: MAR 17, 2004@14:34
     SIGN OFF: YES                            OBS/HIST: HISTORICAL

ID BAND MARKED:                            CHART MARKED: MAR 17, 2004@14:34:16


    MECHANISM: ALLERGY

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

```
                    ALLERGY/ADVERSE REACTION REPORTS
                    Run Date/Time: 7/2/04 9:18:55 am
ARTPATIENT,ONE          000-00-0111              XX XX,1942 (XX)
--------------------------------------------------------------------------------

      VERIFIER: AUTOVERIFIED              VERIFIED: MAR 17, 2004@14:34:17

...............................................................................
          AGENT: ALUMINUM ACETATE
     INGREDIENTS: ALUMINUM ACETATE        VA DRUG CLASSES:

      ORIGINATOR: ARTPROVIDER,ONE          ORIGINATED: NOV 26, 2002@11:25
        SIGN OFF: YES                       OBS/HIST: HISTORICAL

ID BAND MARKED:                         CHART MARKED:

SIGNS/SYMPTOMS: CHILLS  (Nov 25, 2002)

       MECHANISM: UNKNOWN

        VERIFIER: AUTOVERIFIED              VERIFIED: NOV 26, 2002@11:26:27
Enter RETURN to continue or '^' to exit:


                    ALLERGY/ADVERSE REACTION REPORTS
                    Run Date/Time: 7/2/04 9:18:55 am
ARTPATIENT,ONE          000-00-0111              XX XX,1942 (XX)
--------------------------------------------------------------------------------


...............................................................................
          AGENT: AMOXICILLIN
     INGREDIENTS: AMOXICILLIN              VA DRUG CLASSES: PENICILLINS,AMINO DER

      ORIGINATOR: ARTPROVIDER,TWO          ORIGINATED: JAN 21, 1998@10:20
        SIGN OFF: YES                       OBS/HIST: HISTORICAL

ID BAND MARKED:                         CHART MARKED:

       MECHANISM: UNKNOWN

...............................................................................
          AGENT: AMPICILLIN.
     INGREDIENTS: AMPICILLIN               VA DRUG CLASSES:

Enter RETURN to continue or '^' to exit:


                    ALLERGY/ADVERSE REACTION REPORTS
                    Run Date/Time: 7/2/04 9:18:55 am
ARTPATIENT,ONE          000-00-0111              XX XX,1942 (XX)
--------------------------------------------------------------------------------

      ORIGINATOR: ARTPROVIDER,ONE          ORIGINATED: JAN 21, 1998@10:25
        SIGN OFF: YES                       OBS/HIST: HISTORICAL

ID BAND MARKED:                         CHART MARKED:

       MECHANISM: UNKNOWN
```

Print an FDA Report for a Patient

This option allows you to print an individual FDA report for a patient. This option will
produce a listing of all allergy/adverse reactions that are awaiting sign off by the person
entering the data into the system. The report should be queued to run on a printer with a
132-column width.

```
Select Reports Menu Option: 3 Print an FDA Report for a Patient
Select PATIENT NAME: ARTPATIENT,TWO xx-xx-34 0000001112 SC VETERAN
Select CAUSATIVE AGENT: ??

CHOOSE FROM:
   AMPICILLIN
   CYCLOSPORINE
   GENTAMICIN
   PENICILLIN

Select CAUSATIVE AGENT: AMPI 12-01-34 000000003 SC VETERAN
   AMPICILLIN
Select date reaction was OBSERVED (Time Optional): 1/10/96 (JAN 10,
1996).1249
     ...OK? Yes// (Yes)
THIS REPORT SHOULD BE SENT TO A 132 COLUMN PRINTER.

QUEUE TO PRINT ON
DEVICE: PRINTER 132 (132 COLUMN)

Requested Start Time: NOW// < Enter> (JAN 25, 1996@10:36:17)
Request queued...
```

```
MEDWatch                                                  Approved by FDA on 10/20/93
----------------------------------------      -----------------------------------------------
THE FDA MEDICAL PRODUCTS REPORTING PROGRAM    | Triage unit sequence #
                                              |
----------------------------------------      -----------------------------------------------
                                              |
                                              |
                        Page 1 of 1           -----------------------------------------------
===================================================================================================
A. Patient Information                        | C. Suspect Medication(s)
==============================================|xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
                                              |
1. Patient Indentifier|2. DOB: xx/xx/34 |3. Sex|4. Weight |1. Name
T0112 | AGE: xx yrs |FEMALE| 0.0             | #1 : AMPICILLIN
xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx|xxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxxx
                                              |
B. Adverse Event or Product Problem           |
----------------------------------------------|-------------------------------------------------
1. [X]Adverse Event [ ]Product problem        |2. Dose,frequency & route used | 3. Therapy dates
----------------------------------------------| #1:                           | #1 :
2. Outcomes attributed to adverse event       |---------------                |
[ ] death:        [ ] disability              |                               |
[ ] life-threatening [ ] congenital anomaly   |-------------------------------|-------------------------------
[ ] Hospitalization  [ ] required intervention to  |4.Diagnosis for use(indication)|5. Event abated after use
initial or prolonged prevent impairment/damage|                               | stopped or dose reduced?
            [X] other                         | #1:                           | #1: [N/A]
----------------------------------------------|-------------------------------|
3. Date of event           |4. Date of this report |                          |
   01/10/96                | 01/30/96         |-------------------------------------------------
----------------------------------------------|6. Lot # (if known) |7. Exp. date|8. Event reappeared after
5. Describe event or problem                  |                    |            | reintroduction
RASH                                          | #1:                | #1:        | #1: [ ]
                                              |--------------------|------------|-------------------------------
                                              |                    |            |
                                              |-------------------------------------------------
                                              |9. (Not applicable to adverse drug event reports)
----------------------------------------------|-------------------------------------------------
6. Relevant test/laboratory data. including dates  |10. Concomitant medical products/therapy dates(exclude
treatment)                                    |
                                              |
                                              |
                                              |      |
```

```
                                                        |
                                                        |===============================================================
------------------------------------------------------- |D. Suspect Medical Devices
7. Other relevant History, including preexisting medical |---------------------------------------------------------------
conditions                                              | Note: Please use the actual MedWatch form if the event
                                                        | involves a suspected device as well as a suspect drug
                                                        |===============================================================
                                                        |E. Reporter
                                                        |---------------------------------------------------------------
                                                        |1. Name, address & phone #:
=========================================================|
                                                        |
Mail to: MedWatch          or FAX to:                   |---------------------------------------------------------------
5600 Fishers Lane          1-800-FDA-0178               |2. Health professional? |3. Occupation |4. Reported to Mfr.
Rockville, MD 20852-9787                                 |    [ ]                 |              |        [NO]
                                                        |---------------------------------------------------------------
                                                        |5. If you don't want your identity disclosed to the
Manufacturer,
                                                        | place an  "X" in the box. [ ]
FDA Form 3500
|=========================================================
Submission of a report does not constitute an admission that medical personnel or the product caused or contributed to the event.
```

Print all FDA Events within D/T Range

This report prints all the FDA reports over a given date range, entered by you. You may choose to print Complete FDA Adverse Event Reports or an abbreviated listing of reports. Complete reports should be queued to a printer that has 132-column width. An abbreviated listing may be sent to a printer or CRT. If an abbreviated listing is chosen and if the report has been sent to the FDA, the listing will display the date that the report was sent.

```
Select Reports Menu Option: 4  Print All FDA Events within D/T Range
Select Start Date/Time:  T-30  (JUN 07, 2004)
Select End Date/Time:  (6/7/2004 - 7/7/2004): T// <Enter>  (JUL 07, 2004)
Do you want an Abbreviated report? Yes// <Enter>    (Yes)


DEVICE: HOME//<Enter>    ANYWHERE

Jul 07, 2004@07:38:46                                        Page: 1
                        FDA ABBREVIATED REPORT
PATIENT                       SUSPECTED AGENT          D/T OF EVENT
--------------------------------------------------------------------------

ARTPATIENT,ONE   (000-00-0111)    ANTIRABIES SERUM        Jun 8,2004
ARTPATIENT,TWO   (000-00-0112)    ANTIRABIES SERUM        Jun 8,2004@12:15
ARTPATIENT,THREE(000-00-0113)     SHRIMP                  Jun 15,2004
ARTPATIENT,FOUR (000-00-0114)     ZANAMIVIR               Jun 21,2004
ARTPATIENT,FOUR (000-00-0114)     ACYCLOVIR               Jun 21,2004
ARTPATIENT,FOUR (000-00-0114)     RANITIDINE              Jun 21,2004
ARTPATIENT,FOUR (000-00-0114)     ZANAMIVIR               Jun 21,2004@08:27
ARTPATIENT,FIVE (000-00-0115)     SHRIMP                  Jun 28,2004
ARTPATIENT,FIVE (000-00-0115)     FLOXURIDINE             Jun 30,2004
ARTPATIENT,FIVE (000-00-0115)     FORMOTEROL              Jun 30,2004
ARTPATIENT,FIVE (000-00-0115)     FORMALDEHYDE            Jun 30,2004
Enter RETURN to continue or '^' to exit: <Enter>
```

Print Patient FDA Exception Data

This option allows you to print a list of all observed or drug allergies from a given date to the present for a patient that has been signed off (completed), but is missing sign/symptom data. You select a patient and the date from which to start the search. The header of the report contains the name of the report and the date/time that it was run. The body contains the patient's name, SSN, the causative agent, the origination date/time of the entry and name of the originator.

```
Select Reports Menu Option: 5 Print Patient FDA Exception Data

Select PATIENT NAME: ARTPATIENT,ONE  ARTPATIENT,ONE        xx-xx-42
000000111    YES    ACTIVE DUTY
 Enrollment Priority:            Category: NOT ENROLLED  End Date: 07/06/2004

Enter the Date to start search (Time optional):  T-30// t-60  (MAY 08, 2004)


DEVICE: HOME// <Enter>    ANYWHERE

Jul 7,2004 07:42:26                                       Page: 1
                 FDA EXCEPTION REPORT (Starting at 5/8/04)
ORIGINATION D/T     CAUSATIVE AGENT              ORIGINATOR
--------------------------------------------------------------------------------

     Patient: ARTPATIENT,ONE (000-00-0111)
Jun 30,2004@10:31   FLOXURIDINE                  ARTPROVIDER,ONE
Jun 30,2004@10:34   FORMOTEROL                   ARTPROVIDER,ONE
Jun 30,2004@10:39   FORMALDEHYDE                 ARTPROVIDER,ONE
Enter RETURN to continue or '^' to exit: <Enter>
```

Print all FDA Exceptions within a D/T Range

This option allows you to select a date range from which to print a list of all patients who had an Observed Drug Reaction that has not been reported to the FDA. The report can be sent to a printer or to your terminal screen. The header of the report contains the name of the report, the date range selected by you and the date/time that the report was run. The body of the report contains the patient's name and SSN, the causative agent, the name of the person who originated the data entry, and the origination date/time of the data.

```
Select Reports Menu Option: 6  Print All FDA Exceptions within a D/T Range
Select Start Date:  T-90  (APR 08, 2004)
Select End Date:  (4/8/2004 - 7/7/2004): T//  <Enter>  (JUL 07, 2004)


DEVICE: HOME//  <Enter>     ANYWHERE

Jul 7,2004 07:37:28                                            Page: 1
                   FDA EXCEPTION REPORT (4/8/04 to 7/7/04)
ORIGINATION D/T    CAUSATIVE AGENT               ORIGINATOR
-------------------------------------------------------------------------------

     Patient: ARTPATIENT,ONE (000-00-0111)
Jun 8,2004@12:21    ANTIRABIES SERUM             ARTPROVIDER,ONE
     Patient: ARTPATIENT,TEN (000-00-0110)
Jun 8,2004@12:15    ANTIRABIES SERUM             ARTPROVIDER,ONE
     Patient: ARTPATIENT,TWO (000-00-0112)
Jun 30,2004@10:31   FLOXURIDINE                  ARTPROVIDER,ONE
Jun 30,2004@10:34   FORMOTEROL                   ARTPROVIDER,TWO
Jun 30,2004@10:39   FORMALDEHYDE                 ARTPROVIDER,THREE
     Patient: ARTPATIENT,THREE (000-00-0113)
Jun 16,2004@08:27   SHRIMP                       ARTPROVIDER,ONE
     Patient: ARTPATIENT,FOUR (000-00-0114)
Apr 30,2004@09:33   PENICILLIN                   ARTPROVIDER,ONE
     Patient: ARTPATIENT,FIVE (000-00-0115)
May 20,2004@12:09   LEAD ACETATE PURIFIED POWDER  ARTPROVIDER,FOUR
Jun 21,2004@08:23   ZANAMIVIR                    ARTPROVIDER,ONE
Jun 21,2004@08:38   ACYCLOVIR                    ARTPROVIDER,FOUR
Jun 21,2004@09:43   RANITIDINE                   ARTPROVIDER,TWO
Enter RETURN to continue or '^' to exit: <Enter>
```

List by Location of Unmarked ID Bands/Charts

This option will produce a list of all patients by ward/clinic who have not had their chart or ID bands marked. This report functions like the List of Patients Not Asked About Allergies option. It should be noted that you will be prompted to queue all reports except when choosing the Current Inpatients report by itself (i.e., #1).

The header of the report contains the date the report was run, title of the report, the list of the groups included (i.e., inpatients), and any date ranges entered by you. The body of the report categorizes the patients by clinic or ward. It lists the patient's name, SSN, name of the causative agent, and whether the patient ID band, patient chart, or both were unmarked.

```
Select Reports Menu Option: 7  List by Location of Unmarked ID Bands/Charts
     1 Current Inpatients
     2 Outpatients over Date/Time range
     3 New Admissions over Date/Time range
     4 All of the above
Enter the number(s) for those groups to be used in this report: (1-4):4
 Enter date/time range in which patients were
 admitted into the hospital or seen at an outpatient clinic.

Enter START Date (time optional): t-90  (APR 08, 2004)
Enter END Date (time optional): T// <Enter>  (JUL 07, 2004)
```

The location prompt allows you to select the ward or clinic that you want to print, or select all the wards/clinics by entering the word ALL and the system will select all the appropriate hospital locations.

```
Jun 28,2004            PATIENTS WITH UNMARKED ID BAND/CHART          PAGE 1
                  CURRENT INPATIENTS / OUTPATIENTS / NEW ADMISSIONS
                     FROM Mar 30,2004    TO Jun 28,2004@24:00


PATIENT                     SSN          ALLERGY             UNMARKED
--------------------------------------------------------------------------------


          WARD: 1A(1&2)
ARTPATIENT,ONE              000-00-0111  DOG DANDER          ID BAND/CHART
                                        DUST                ID BAND/CHART
                                        AMPICILLIN          ID BAND/CHART
                                        ASPIRIN             ID BAND/CHART
                                        CHOCOLATE           ID BAND/CHART
                                        MILK OF MAGNESIA    ID BAND/CHART
                                        AMOXICILLIN         ID BAND/CHART
                                        PENICILLIN          ID BAND/CHART
                                        MENTHOL             ID BAND/CHART
ARTPATIENT,TWO             000-00-0112  AMOXICILLIN         ID BAND/CHART
                                        DUST                ID BAND/CHART
                                        ZANTAC              ID BAND/CHART
ARTPATIENT,THREE          000-00-0113  CEPHALEXIN TABLETS, ID BAND/CHART
Enter RETURN to continue or '^' to exit:

Jun 28,2004            PATIENTS WITH UNMARKED ID BAND/CHART          PAGE 2
                  CURRENT INPATIENTS / OUTPATIENTS / NEW ADMISSIONS
                     FROM Mar 30,2004    TO Jun 28,2004@24:00
```

```
PATIENT                         SSN          ALLERGY          UNMARKED
-------------------------------------------------------------------------
                                             CHEESE           ID BAND/CHART
                                             BARIUM SULFATE   ID BAND/CHART
                                             OPIOID ANALGESICS ID BAND/CHART
                                             RADIOLOGICAL/CONTRAS ID BAND/CHART
                                             FOLIC ACID       ID BAND/CHART
                                             STRAWBERRIES     ID BAND/CHART
                                             PENICILLIN       ID BAND/CHART
Jun 28,2004         PATIENTS WITH UNMARKED ID BAND/CHART        PAGE 3
                CURRENT INPATIENTS / OUTPATIENTS / NEW ADMISSIONS
                   FROM Mar 30,2004    TO Jun 28,2004@24:00


PATIENT                         SSN          ALLERGY          UNMARKED
-------------------------------------------------------------------------
                                             ACETANILIDE      ID BAND/CHART
                                             ANTIRABIES SERUM ID BAND/CHART
ARTPATIENT,FOUR                 000-00-0114  STRAWBERRIES     ID BAND/CHART
ARTPATIENT,FIVE                 000-00-0115  CHOCOLATE        ID BAND/CHART
                                             BLUE CROSS AMPICILLI ID BAND/CHART
                                             ACETAMINOPHEN TAB ID BAND/CHART
                                             STRAWBERRIES     ID BAND/CHART
Enter RETURN to continue or '^' to exit:
```

Patient Allergies Not Signed Off

This option prints allergy/adverse reactions for patients that have not been signed off (completed) by users entering data. Users who have the GMRA-ALLERGY VERIFY key will see all reactions that are not signed off. Users who do not have that key will see just the entries that they created. You may select a printer to get a hard copy printout or display the report to the terminal screen.

The header of the report contains the name of the report and the date and time that it was run. The body of the report lists the name of the person who entered the date, the patient's name followed by the last four digits of the SSN, the causative agent, and the date/time the entry was made.

```
Select Adverse Reaction Tracking User Menu Option: 5 Patient Allergies
Not Signed Off
Include deceased patients on report? NO// <Enter>

DEVICE: HOME// < Enter> HYPER SPACE
                ALLERGY/ADVERSE REACTIONS TO BE SIGNED OFF
                    Run Date/Time: 6/28/04 9:18:26 am

ORIGINATOR              PATIENT              ALLERGY         ORIGINATION
DATE/TIME
-----------------------------------------------------------------
PROVIDER,ONE ARTPATIENT,ONE  (0111) PENICILLIN FEB 18, 2003@10:59
PROVIDER,ONE ARTPATIENT,ONE  (0111) FROG FEB 18, 2003@15:14
PROVIDER,ONE ARTPATIENT,ONE  (0111) THORAZINE 10MG FEB 22, 2003@13:20
PROVIDER,ONE ARTPATIENT,TWO  (0112) PENICILLIN JUN 22, 2003@11:44
PROVIDER,ONE ARTPATIENT,TWO  (0112) PHENYTOIN JUN 22, 2003@11:48
PROVIDER,ONE ARTPATIENT,TWO  (0112) DEMECARIUM JUN 22, 2003@12:00
PROVIDER,ONE ARTPATIENT,TWO  (0112) ASPIRIN JUN 22, 2003@12:08
PROVIDER,ONE ARTPATIENT,TWO  (0112) PHENOBARBITAL JUN 25, 2003@10:33
PROVIDER,ONE ARTPATIENT,TWO  (0112) PHENOBARBITAL JUN 25, 2003@10:39
PROVIDER,ONE ARTPATIENT,TWO  (0112) CODEINE JUN 30, 2003@08:55
PROVIDER,ONE ARTPATIENT,TWO  (0112) THOR - PROM AUG 11, 2003@10:35
PROVIDER,ONE ARTPATIENT,TWO  (0112) IMMUNE GLOBULIN AUG 18, 2003@10:02
PROVIDER,ONE ARTPATIENT,THREE (0113)  CYCLOBENZAPRINE JUL 11, 2004@14:11
PROVIDER,ONE ARTPATIENT,THREE (0113)  SULFABENZAMIDE/S JUL 11, 2004@14:14
PROVIDER,ONE ARTPATIENT,THREE (0114)  DUCK JAN 06, 2004@11:13
Enter  RETURN to continue or '^' to exit: ^
```

List by Location of Undocumented Allergies

This report is used to list all patients in the patient database who have never been asked if they have any known allergies. It should be noted that you will be prompted to queue all reports except stand-alone Current Inpatients' reports. The header of the report contains the date the report was run, title of the report, the list of the groups included (i.e., current inpatients), and any date ranges entered. The body of the report categorizes the patients by clinic or ward. It lists the patient's name, SSN, and provider. The room-bed will appear for current inpatients.

```
Select Adverse Reaction Tracking User Menu Option: 6 List by Location
of Undocumented Allergies
        1 Current Inpatients
        2 Outpatients over Date/Time range
        3 New Admissions over Date/Time range
        4 All of the above
Enter the number(s) for those groups to be used in this report:(1-4): 4
 Enter date/time range in which patients were
 admitted into the hospital or seen at an outpatient clinic.

Enter START Date (time optional): T-180 (JAN 04, 2004)
Enter END Date (time optional): T// <Enter> (JUL 02, 2004)
```

The location prompt allows you to select the ward or clinic that you want to print, or select all the wards/clinics by entering the word ALL, and the system will select all the appropriate hospital locations.

```
Select Location: ??

    You may deselect from the list by typing a '-' followed by location name.
    E.g. -3E would delete 3E from the list of locations already selected.
    You may enter the word ALL to select all appropriate locations.
 Answer with HOSPITAL LOCATION NAME, or ABBREVIATION
Choose from:
  Choose from:
   1 DR'S CLINIC
   13A PSYCH
   1A(1&2)
   2B MED
   8E REHAB MED
   8W SUBSTANCE ABUSE
   CARDIOLOGY
   CT ROOM

Select Location: 1A
Another Location: 2B
Another Location: Cardiology
Another Location: < Enter>

QUEUE TO PRINT ON
DEVICE: SELECT APPROPRIATE PRINTER

Requested Start Time: NOW// < Enter> (JUL 2, 2004@10:24:00)
Request queued...
```

```
Jul 2,2004              PATIENTS NOT ASKED ABOUT ALLERGIES           PAGE 1
                CURRENT INPATIENTS / OUTPATIENTS / NEW ADMISSIONS
                     FROM Jan 4,2004    TO Jul 2,2004@24:00


PATIENT                         SSN           PROVIDER
--------------------------------------------------------------------------------

          WARD: 1A(1&2)
ARTPATIENT,ONE                  000-00-0111    ARTPROVIDER,ONE
ARTPATIENT,TWO                  000-00-1112P
ARTPATIENT,TWO                  000-00-1112
                                               ARTPROVIDER,TWO
     Room/Bed: B-2
ARTPATIENT,THREE                000-12-4443    ARTPROVIDER,THREE
     Room/Bed: 9-B
ARTPATIENT,FOUR                 000-00-1114
ARTPATIENT,FIVE                 000-00-1115
Enter RETURN to continue or '^' to exit:

Jul 2,2004              PATIENTS NOT ASKED ABOUT ALLERGIES           PAGE 2
                CURRENT INPATIENTS / OUTPATIENTS / NEW ADMISSIONS
                     FROM Jan 4,2004    TO Jul 2,2004@24:00


PATIENT                         SSN           PROVIDER
--------------------------------------------------------------------------------

          WARD: 2B MED
ARTPATIENT,SIX                  000-00-1116    ARTPROVIDER,FOUR
ARTPATIENT,SEVEN                000-00-1117
Enter RETURN to continue or '^' to exit:


Jul 2,2004              PATIENTS NOT ASKED ABOUT ALLERGIES           PAGE 3
                CURRENT INPATIENTS / OUTPATIENTS / NEW ADMISSIONS
                     FROM Jan 4,2004    TO Jul 2,2004@24:00


PATIENT                         SSN
--------------------------------------------------------------------------------

          CLINIC: CARDIOLOGY
ARTPATIENT,EIGHT                000-00-1118        ARTPROVIDER,FIVE
ARTPATIENT,NINE                 000-00-1119
ARTPATIENT,TEN                  000-00-1110
Enter RETURN to continue or '^' to exit:
```

List Auto-Verified Reaction Data

This option lists auto-verified reaction data by date/time range, location, and mechanism. It also displays previous sorting values that were used during this session. The first time that you run the report during this session, those previous values will be "not null." If you run the option again, the previous sorting values will display (e.g., *Previous Selection: Verification Date/Time from 1/1/96 to 1/31/96@24:00).

The header of this report contains the name of the report, the date it was run, and the date range entered. The body of the report contains the data sorted, first by ward location, then by mechanism, and finally by verification date. The report contains the patient's name, the last digits in the SSN, room-bed, the causative agent, the signs/symptoms, the name of the person who originated the entry and any comments entered by the originator.

```
Select Reports Menu Option: 10  List Autoverified Reaction Data
* Previous selection: VERIFICATION DATE/TIME from Feb 1,1996 to Feb
29,1996@24:00
START WITH VERIFICATION DATE/TIME: Feb 1,1996// <Enter>   (FEB 01, 1996)
GO TO VERIFICATION DATE/TIME: Feb 29,1996// T  (JUL 07, 2004)
     * Previous selection: PATIENT:WARD LOCATION equals 1S
     START WITH WARD LOCATION: 1S// 1A
     GO TO WARD LOCATION: 1S// 2B
        * Previous selection: MECHANISM equals A (ALLERGY)
        START WITH NATURE OF REACTION: A// <Enter>     ALLERGY
        GO TO NATURE OF REACTION: A// <Enter>     ALLERGY
DEVICE: <Enter>     ANYWHERE   Right Margin: 80// <Enter>
07/07/04   LIST OF AUTOVERIFIED ALLERGIES FROM 02/01/96 TO 07/07/04   Page: 1


PATIENT                    ROOM-BED   REACTANT                VER. DATE
----------------------------------------------------------------------------



WARD LOCATION: 1A(1&2)

    MECHANISM: ALLERGY

ARTPATIENT,ONE (0001)              BEEF                      JAN  7,1999
  ORIGIN.:  ARTPROVIDER,ONE
    SIGNS:  NAUSEA,VOMITING
            DIFFICULTY SWALLOWING
 COMMENTS:  Testing ART/TIU interface.

ARTPATIENT,TWO (0002)             STRAWBERRIES              MAY  7,2004
  ORIGIN.:  ARTPROVIDER,TWO
    SIGNS:  HIVES
 COMMENTS:
```

List by Location Not Verified Reactions

This option prints a list of patient reactions that have not been verified. The data is sorted by hospital location, patient, and reaction. You can send the report to a printer for a hard copy or to the terminal screen. This report can be scheduled to automatically run at a regular interval (e.g., daily). Contact your ADPAC or IRM support person to schedule this report to automatically run. The option name to schedule this report to automatically run is GMRA TASK A/AR NV.

The header of this report contains the name of the report, the date it was run, and the hospital location. The body contains the patient's name and SSN, the causative agent, the name of the originator of the reaction, and the date/time of data origination. The Room-Bed is also displayed for each patient.

```
Select Reports Menu Option: 11  List by Location Not Verified Reactions


DEVICE: HOME// <Enter>  ANYWHERE

Report Date: Jul 07, 2004                                      Page: 1
                 List of Unverified Reactions by Ward Location
                         Ward Location: 13A PSYCH
   Origination Date/Time      Originator              Reaction
-------------------------------------------------------------------------
ARTPATIENT,ONE (000-00-0111)
   Jul 16, 2003@11:49        ARTPROVIDER,ONE         RANITIDINE
ARTPATIENT,TWO (000-00-0112)
   Jul 09, 1996@08:04        ARTPROVIDER,TWO         STRAWBERRIES
ARTPATIENT,THREE (000-00-0113)
   Jul 09, 1996@08:04        ARTPROVIDER,TWO         DUST
ARTPATIENT,FOUR (000-00-0114)
   Jul 09, 1996@08:04        ARTPROVIDER,TWO         FISH LIVER OIL
ARTPATIENT,FIVE (000-00-0115)
   May 24, 1999@14:21        ARTPROVIDER,THREE       MILK
   Jul 02, 1999@13:40        ARTPROVIDER,THREE       BERGAMOT
   Aug 20, 1999@09:27        ARTPROVIDER,THREE       RANITIDINE
Enter RETURN to continue or '^' to exit:
```

List by Location and Date all Signed Reactions

This option prints a list of all patient reactions that have been signed off (completed) for a user-supplied date range. The data is sorted by location and date range. This report can be sent to a printer for a hard copy printout or displayed on your terminal screen.

The header of the report contains the title, the date range selected, the date that the report was run, and the hospital location. The body of the report contains the patient's name and SSN, the causative agent's name and type, the name of the data's originator, and the date/time of data origination.

```
Select Reports Menu Option:  List by Location and Date All Signed
Reactions
Enter Start Date: t-180  (JAN 08, 2004)
Enter Ending Date: t  (JUL 06, 2004)


DEVICE: HOME//<Enter>   ANYWHERE

One moment please...

Jul 06, 2004                                                 Page: 1
         List all Signed Patient Reactions for Ward Location 1A(1&2)
              From Jan 08, 2004 to Jul 06, 2004@24:00
Date                Originator              Type Causative Agent
----------------------------------------------------------------------
         Patient: ARTPATIENT,SIX (000-00-0116)
Jan 12, 2004@12:56  ARTPROVIDER,ONE             D   HAYFEBROL SF
Jun 11, 2004@15:25  ARTPROVIDER,TWO             D   DIRITHROMYCIN
Jun 08, 2004@12:15  ARTPROVIDER,THREE           DF  ANTIRABIES SERUM


         Patient: ARTPATIENT,SEVEN (000-00-0117)
Feb 26, 2004@11:29  ARTPROVIDER,ONE           D   ZANTAC
May 04, 2004@10:52  ARTPROVIDER,ONE           D   FORMALDEHYDE
May 04, 2004@10:55  ARTPROVIDER,ONE           D   CONTACT LENS WETTING
SOLN
May 04, 2004@10:56  ARTPROVIDER,ONE           D   NICO 400
May 04, 2004@10:57  ARTPROVIDER,ONE           DF  CORN
May 04, 2004@11:00  ARTPROVIDER,ONE           DF  BCG VACCINE


         Patient: ARTPATIENT,EIGHT (000-00-0118)
Feb 26, 2004@11:31  ARTPROVIDER,ONE           D   ZANTAC


         Patient: ARTPATIENT,NINE (000-00-0119)
Feb 05, 2004@10:51  ARTPROVIDER,TWO           F   STRAWBERRIES
Enter RETURN to continue or '^' to exit:
```

List FDA Data by Report Date

This option displays a report of FDA data that tracks when a reaction was observed and when it was entered into the database. You must enter a date range. This report can be printed or sent to the terminal screen.

The header of the report contains the name of the report, the date range that you selected, and the date that the report was run. The body of the report contains the patient's name and SSN, the name of the causative agent, the patient's location, the observation date of the reaction, the date the reaction was actually reported, the difference (i.e., the number of days) between the observation date and when it was reported, and the name of the person who observed the reaction.

```
Select Reports Menu Option: 9  List FDA Data by Report Date
Select a Tracking date range for this report.
Enter Start Date: t-180  (JAN 08, 2004)
Enter Ending Date: t  (JUL 06, 2004)


DEVICE: HOME//   ANYWHERE

Report Date: Jul 06, 2004                                     Page: 1
                     Adverse Reaction Tracking Report
                        From: 1/8/04 To: 7/6/04
Patient                              Dates    Related Reaction
-------------------------------------------------------------------
ARTPATIENT,ONE                  Obs DT: 1/27/04   DUST
(000-00-1111)                   Trk DT: 1/27/04
Loc: 1A(1&2)                    -------------
Obs: ARTPROVIDER,ONE               0 Days Difference

ARTPATIENT,TWO                  Obs DT: 1/30/04   CHOCOLATE
(000-00-1112)                   Trk DT: 1/30/04
Loc: OUT PATIENT                -------------
Obs: ARTPROVIDER,ONE            0 Days Difference

ARTPATIENT,THREE                Obs DT: 1/30/04   CHOCOLATE
(355-67-1996)                   Trk DT: 1/30/04
Loc: 8E REHAB MED               -------------
Obs: ARTPROVIDER,ONE            0 Days Difference

ARTPATIENT,FOUR                 Obs DT: 2/2/04    ZANTAC
(000-00-0114)                   Trk DT: 2/2/04
Loc: 1A(1&2)                    -------------
Obs: ARTPROVIDER,ONE             0 Days Difference

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

Edit Chart and ID Band

This option allows you to designate that a patient's ID band or the chart has been marked. It should be used by the personnel charged with the responsibility of making sure that the patient's paper chart has been marked to indicate that an allergy/adverse reaction is present. You select a patient and the various causative agents associated with that patient are displayed. Any number of agents may be selected by you to indicate whether the patient chart has been marked.

```
Select Adverse Reaction Tracking Verifier Menu Option: 4 Edit Chart and ID Band

Select Patient: ARTPATIENT,TWO 10-04-69 0000000112 SC VETERAN

CHOOSE FROM:
   ASPIRIN
   COD LIVER OIL
   DEMECARIUM
   FROGS
   PENBUTOLOL
   PENICILLIN
   PHENOBARBITAL
   PHENYTOIN
   PREDNISONE
   THOR - PROM
   TIMOLOL
   TYLOXAPOL

Select CAUSATIVE AGENT: ASPIRIN 10-04-69 0000000112 SC VETERAN
ASPIRIN

Select another CAUSATIVE AGENT: PENICILLIN 10-04-69 0000000112
SC VETERAN PENICILLIN
Select another CAUSATIVE AGENT: < Enter>
This session you have CHOSEN:
    PENICILLIN
    ASPIRIN
Has the ID Band been marked for this CAUSATIVE AGENT? Y  (Yes)
```

FDA Enter/Edit Menu (Verifier)

This menu should be given to people responsible for the FDA portion of Adverse Reaction Tracking as designated by the site. The options on this menu will allow you to edit the FDA data.

    1.   Enter/Edit FDA Report Data
    2.   Enter/Edit P&T Committee Data

Enter/Edit FDA Report Data

This option allows users to enter and edit FDA-related data concerning an adverse reaction.

There are five sections to the FDA Report. Fields for Reaction Information (1) are shown in the example. Sections 2-5 are discussed below.

For Suspect Drug(s) Information (2) of the data entry, you may enter/edit the name of a suspect agent for the observed reaction, the daily dose given, route of administration, how the drug was given (SIG Code), the start and stop dates that it was administered, the name of the manufacturer, lot number, number of previous doses given, the last fill date, the drug's expiration date, the National Drug Code number and the indication/reason for the drug's use.

In the Concomitant Drugs and History section (3), you may enter/edit information about the drugs that the patient was taking at the time of the reaction. This includes the name of the drug, the start/stop dates of administration, the last fill date, and how the drug was given (SIG Code). You can also enter a word-processing-type response to indicate any other related history for this drug.

In the Manufacturer Information section (4), you may enter/edit data concerning a manufacturer that should be notified, including the name of the manufacturer, address, the IND/NDA (Investigational New Drug/New Drug Application) number, the manufacturer's control number, the date the drug was received by the manufacturer, the source of the report (e.g., Health Professional), whether the 15-day report was completed, and the type of the report (i.e., Initial).

The Initial Reporter (5) section allows you to enter/edit data concerning the person filling out the report, including name, address, phone number, whether the reporter is a health care provider, whether the name of the reporter should be disclosed to the manufacturer, and the reporter's occupational title.

```
Select FDA Enter/Edit Menu Option: 1  Enter/Edit FDA Report Data

Select PATIENT NAME: ARTPATIENT,ONE     x-xx-42    000000111     YES     ACTIVE DUTY
 Enrollment Priority:          Category: NOT ENROLLED  End Date: 07/06/2004

Select CAUSATIVE AGENT: FLOXURIDINE, PATIENT  ARTPATIENT,ONE   xx-xx-42    000000111
     YES     ACTIVE DUTY
 Enrollment Priority:          Category: NOT ENROLLED  End Date: 07/06/2004
      FLOXURIDINE
Select date reaction was OBSERVED (Time Optional): 6/30/04  (JUN 30, 2004)
        ...OK? Yes// <Enter>  (Yes)

Indicate which FDA Report Sections to be completed:
1.  Reaction Information
2.  Suspect Drug(s) Information
3.  Concomitant Drugs and History
4.  Manufacturer Information
```

```
5.  Initial Reporter
Choose number(s) of sections to be edited:  (1-5): 1


The following is the list of reported signs/symptoms for this reaction:
          These reactions were entered by another user:
     Signs/Symptoms
-----------------------------------------------------------------------------
     RASH



Select Action (A)DD OR <RET>: A

The following are the top ten most common signs/symptoms:
 1. CHILLS                           7. HIVES
 2. ITCHING,WATERING EYES            8. DRY MOUTH
 3. HYPOTENSION                      9. DRY NOSE
 4. DROWSINESS                      10. RASH
 5. NAUSEA,VOMITING                 11. OTHER SIGN/SYMPTOM
 6. DIARRHEA
Enter from the list above :  7


The following is the list of reported signs/symptoms for this reaction:

          These reactions were entered by another user:
     Signs/Symptoms
-----------------------------------------------------------------------------
     HIVES
     RASH



Select Action (A)DD OR <RET>: <Enter>


Patient died?: N  NO
Reaction treated with RX drug?: N  NO
Life Threatening illness?: N  NO
Required hospitalization?: N  NO
Prolonged Hospitalization?: N  NO
Resulted in permanent disability?: N  NO
Is this event a Congenital Anomaly?: N  NO
Did this event require intervention to prevent impairment/damage?: N  NO


THIS PATIENT HAS NO LAB TEST ON FILE FOR THIS ADVERSE REACTION REPORT
Select Action (A/D/E): ADD

View Tx/Test from: JUN 30, 2004// <Enter>   (JUN 30, 2004)
To: JUN 30, 2004//T  (JUL 07, 2004)


LAB TEST:
   Collection DT   Test Name           Specimen     Results         Hi/Low


      THERE IS NO LAB DATA FOR THIS PATIENT FOR THIS DATE RANGE.
Select TEST: ??


     You may enter a new RELEVANT TEST/LAB DATA, if you wish
Select TEST: ??
Choose from:
1,25-DIHYDROXYVIT D3
1/2HR LTT
1/2Hr.GTT
1/2Hr.GTT (URINE)
11-DEOXYCORTISOL
17-HYDROXYCORTICOSTEROIDS
17-HYDROXYPROGESTERONE
```

```
17-KETOGENIC STEROIDS
17-KETOSTEROIDS,TOTAL
1HR LTT
1Hr.GTT
1Hr.GTT (URINE)
25 OH VITAMIN D
2HR LTT
2Hr.GTT
2Hr.GTT (URINE)
3HR LTT
3Hr.GTT
3Hr.GTT (URINE)
4Hr.GTT
4Hr.GTT (URINE)
^
Select TEST: 1/2Hr.GTT (URINE)
  Are you adding '1/2Hr.GTT (URINE)' as a new TEST (the 1ST for this ADVERSE REA
CTION REPORTING)? No// Y (Yes)
  RESULTS: ??
        This field will contain the results for the particular test.

  RESULTS: Enter results here
  COLLECTION D/T: t  (JUL 07, 2004)
Select TEST: <Enter>

This patient has the following Test selected:
TEST/TX                         RESULTS                    DRAW DATE/TIME
1)  1/2Hr.GTT (URINE)           Enter results here         07/07/04
Select Action (A/D/E): <Enter>

Indicate which FDA Report Sections to be completed:
1.  Reaction Information
2.  Suspect Drug(s) Information
3.  Concomitant Drugs and History
4.  Manufacturer Information
5.  Initial Reporter
Choose number(s) of sections to be edited:  (1-5): <Enter>
```

Enter/Edit P&T Committee Data

This option allows you to edit P&T data. It allows for the evaluation of a suspected Drug Reaction (ADR) by a qualified individual (e.g., clinical pharmacist, clinical pharmacologist), other than the attending physician. You can also track a report to see if it has been sent to the FDA or manufacturer.

```
Select FDA Enter/Edit Menu Option: 2  Enter/Edit P&T Committee Data

Select PATIENT NAME: ARTPATIENT,ONE    xx-xx-42    000000111    YES    ACTIVE DUTY
 Enrollment Priority:           Category: NOT ENROLLED  End Date: 07/06/2004

Select CAUSATIVE AGENT: AMOXICILLIN,PATIENT  ARTPATIENT,ONE  x-xx-42  000000111
YES     ACTIVE DUTY
 Enrollment Priority:           Category: NOT ENROLLED  End Date: 07/06/2004
       AMOXICILLIN
Select date reaction was OBSERVED (Time Optional):  JUNE 30, 2004  (JUN 30, 2004)
JUN 30, 2004  (JUN 30, 2004)
  Are you adding 'JUN 30, 2004' as
    a new ADVERSE REACTION REPORTING? No// Y  (Yes)

P&T Report Completion
Serious ADR?: Y  YES
ADR related to new drug? (Marketed within the last 2 yrs.): N  NO
Unexpected ADR?: Y  YES
ADR related to therapeutic failure?: N  NO
Dose related?: N  NO
P&T ACTION FDA REPORT: ??
        This field indicates if the P&T committee determined whether to send
        the report to FDA.

     Choose from:
       y        YES
       n        NO
P&T ACTION FDA REPORT: N  NO
P&T ACTION MFR REPORT: N  NO

ADDENDUM:
  1> <Enter>

Select PATIENT NAME: <Enter>
```

P&T Committee Menu

The Patient & Therapeutic (P&T) Committee menu should be given to the P&T Committee members of Adverse Reaction Tracking, as designated by the site. The options on this menu allow you to edit P&T data and print FDA data. It allows for the evaluation of a suspected ADR by a qualified individual (e.g., clinical pharmacist, clinical pharmacologist) other than the attending physician, as specified in Section 5.a.(2).(d) of Directive 10-92-070.

1. Enter/Edit P&T Committee Data
2. Enter/Edit FDA Report Data
3. Reports Menu…

Enter/Edit P&T Committee Data

This option allows you to edit P&T data. It allows for the evaluation of a suspected Advanced Drug Reaction (ADR) by a qualified individual (e.g., clinical pharmacist, clinical pharmacologist), other than the attending physician.

```
Select FDA Enter/Edit Menu Option: 2  Enter/Edit P&T Committee Data

Select PATIENT NAME: ARTPATIENT,ONE     x-xx-42   000000111    YES    ACTIVE DUTY
 Enrollment Priority:          Category: NOT ENROLLED  End Date: 07/06/2004


Select CAUSATIVE AGENT: AMOXICILLIN,PATIENT ARTPATIENT,ONE      000000111    YES
ACTIVE DUTY
 Enrollment Priority:          Category: NOT ENROLLED  End Date: 07/06/2004
       AMOXICILLIN
Select date reaction was OBSERVED (Time Optional):  JUNE 30, 2004  (JUN 30, 2004)
JUN 30, 2004  (JUN 30, 2004)
  Are you adding 'JUN 30, 2004' as
    a new ADVERSE REACTION REPORTING? No// Y  (Yes)

P&T Report Completion
Serious ADR?: Y  YES
ADR related to new drug? (Marketed within the last 2 yrs.): N  NO
Unexpected ADR?: Y  YES
ADR related to therapeutic failure?: N  NO
Dose related?: N  NO
P&T ACTION FDA REPORT: ??
        This field indicates if the P&T committee determined whether to send
        the report to FDA.

      Choose from:
       y        YES
       n        NO
P&T ACTION FDA REPORT: N  NO
P&T ACTION MFR REPORT: N  NO

ADDENDUM:
  1> <Enter>

Select PATIENT NAME: <Enter>
```

Enter/Edit FDA Report Data

This option allows users to enter and edit FDA-related data concerning an adverse reaction.

There are five sections to the FDA Report. Fields for Reaction Information (1) are shown in the example. Sections 2-5 are discussed below.

For Suspect Drug(s) Information (2) of the data entry, you may enter/edit the name of a suspect agent for the observed reaction, the daily dose given, route of administration, how the drug was given (SIG Code), the start and stop dates that it was administered, the name of the manufacturer, lot number, number of previous doses given, the last fill date, the drug's expiration date, the National Drug Code number and the indication/reason for the drug's use.

In the Concomitant Drugs and History section (3), you may enter/edit information about the drugs that the patient was taking at the time of the reaction. This includes the name of the drug, the start/stop dates of administration, the last fill date, and how the drug was given (SIG Code). You can also enter a word-processing-type response to indicate any other related history for this drug.

In the Manufacturer Information section (4), you may enter/edit data concerning a manufacturer that should be notified, including the name of the manufacturer, address, the IND/NDA (Investigational New Drug/New Drug Application) number, the manufacturer's control number, the date the drug was received by the manufacturer, the source of the report (i.e., Health Professional), whether the 15 day report was completed and the type of the report (i.e., Initial).

The Initial Reporter (5) section allows you to enter/edit data concerning the person filling out the report, including name, address, phone number, whether the reporter is a health care provider, whether the name of the reporter should be disclosed to the manufacturer, and the reporter's occupational title.

```
Select FDA Enter/Edit Menu Option: 1  Enter/Edit FDA Report Data

Select PATIENT NAME: ARTPATIENT,ONE     x-xx-42    000000111    YES     ACTIVE DUTY
 Enrollment Priority:            Category: NOT ENROLLED  End Date: 07/06/2004

Select CAUSATIVE AGENT: FLOXURIDINE, PATIENT  ARTPATIENT,ONE   x-xx-42   000000111
YES     ACTIVE DUTY
 Enrollment Priority:            Category: NOT ENROLLED  End Date: 07/06/2004
        FLOXURIDINE
Select date reaction was OBSERVED (Time Optional): 6/30/04   (JUN 30, 2004)
        ...OK? Yes// <Enter>  (Yes)

Indicate which FDA Report Sections to be completed:
1.  Reaction Information
2.  Suspect Drug(s) Information
3.  Concomitant Drugs and History
4.  Manufacturer Information
5.  Initial Reporter
```

```
Choose number(s) of sections to be edited:  (1-5): 1

The following is the list of reported signs/symptoms for this reaction:
          These reactions were entered by another user:
     Signs/Symptoms
-------------------------------------------------------------------------------
     RASH


Select Action (A)DD OR <RET>: A

The following are the top ten most common signs/symptoms:
 1. CHILLS                             7. HIVES
 2. ITCHING,WATERING EYES             8. DRY MOUTH
 3. HYPOTENSION                        9. DRY NOSE
 4. DROWSINESS                        10. RASH
 5. NAUSEA,VOMITING                   11. OTHER SIGN/SYMPTOM
 6. DIARRHEA
Enter from the list above :  7

The following is the list of reported signs/symptoms for this reaction:

          These reactions were entered by another user:
     Signs/Symptoms
-------------------------------------------------------------------------------
     HIVES
     RASH



Select Action (A)DD OR <RET>: <Enter>

Patient died?: N  NO
Reaction treated with RX drug?: N  NO
Life Threatening illness?: N  NO
Required hospitalization?: N  NO
Prolonged Hospitalization?: N  NO
Resulted in permanent disability?: N  NO
Is this event a Congenital Anomaly?: N  NO
Did this event require intervention to prevent impairment/damage?: N  NO

THIS PATIENT HAS NO LAB TEST ON FILE FOR THIS ADVERSE REACTION REPORT
Select Action (A/D/E): ADD

View Tx/Test from: JUN 30, 2004// <Enter>   (JUN 30, 2004)
To: JUN 30, 2004//T  (JUL 07, 2004)

LAB TEST:
   Collection DT   Test Name          Specimen     Results        Hi/Low


     THERE IS NO LAB DATA FOR THIS PATIENT FOR THIS DATE RANGE.
Select TEST: ??


     You may enter a new RELEVANT TEST/LAB DATA, if you wish
Select TEST: ??
Choose from:
1,25-DIHYDROXYVIT D3
1/2HR LTT
1/2Hr.GTT
1/2Hr.GTT (URINE)
11-DEOXYCORTISOL
17-HYDROXYCORTICOSTEROIDS
17-HYDROXYPROGESTERONE
17-KETOGENIC STEROIDS
```

```
17-KETOSTEROIDS,TOTAL
1HR LTT
1Hr.GTT
1Hr.GTT (URINE)
25 OH VITAMIN D
2HR LTT
2Hr.GTT
2Hr.GTT (URINE)
3HR LTT
3Hr.GTT
3Hr.GTT (URINE)
4Hr.GTT
4Hr.GTT (URINE)
^
Select TEST: 1/2Hr.GTT (URINE)
  Are you adding '1/2Hr.GTT (URINE)' as a new TEST (the 1ST for this ADVERSE REA
CTION REPORTING)? No// Y
  (Yes)
  RESULTS: ??
        This field will contain the results for the particular test.

  RESULTS: Enter results here
  COLLECTION D/T: t  (JUL 07, 2004)
Select TEST: <Enter>

This patient has the following Test selected:
TEST/TX                         RESULTS                      DRAW DATE/TIME
1)   1/2Hr.GTT (URINE)          Enter results here           07/07/04
Select Action (A/D/E): <Enter>

Indicate which FDA Report Sections to be completed:
1.  Reaction Information
2.  Suspect Drug(s) Information
3.  Concomitant Drugs and History
4.  Manufacturer Information
5.  Initial Reporter
Choose number(s) of sections to be edited:  (1-5): <Enter>
```

Reports Menu (P&T)

This option is the menu of all reports that the Pharmacy and Therapeutics Committee can print. To view data for options 1 thru 12 below, please see the Reports Menu under the Verifier Menu (see Table of Contents for correct page numbers.) For options 13 thru 19, please continue on the following pages.

1. Print an FDA Report for a Patient
2. Print all FDA Events within D/T range
3. Print Patient FDA Exception Data
4. Print all FDA Exceptions within a D/T range
5. Patient Allergies Not Signed Off
6. Print Patient Reaction Data
7. Active Listing of Patient Reactions
8. List by Location of Undocumented Allergies
9. List Autoverified Reaction Data
10. List by Location Not Verified Reactions
11. List by Location and Date all Sign Reactions
12. List FDA Data by Report Date
13. List of Fatal Reaction Over a Date Range
14. Print Summary of Outcomes
15. Frequency Distribution of Causative Agents
16. Frequency Distribution of Drug Classes
17. Total Reported Reactions Over a Date Range
18. P&T Committee ADR Outcome Report
19. P&T Committee ADR Report

List of Fatal Reaction Over a Date Range

This option lists all fatal adverse drug reactions over a selected date range.

The header of the report contains the name of the report, the date range selected, and the date that the report was printed. The body of the report contains the name of the patient, the last four digits of the patient's SSN, the date of the reaction, the name of the related reaction, and the date the patient died.

```
Select Reports Menu Option: 13 List of Fatal Reaction over a Date Range
Select an Observed date range for this report.
Enter Start Date: T-365 (JAN 30, 1995)
Enter Ending Date: T (JAN 30, 1996)

DEVICE: HOME// <Enter> HOME

Report Date: Jan 30, 1996 Page: 1
             List of Fatal Reaction over a date range
                 From: 1/30/95 To: 1/30/96

Patient                 Dates       Related Reaction       Date Died
--------------------------------------------------------------------------
ARTPATIENT,TWO (T0112) 2/8/95      TYLOXAPOL              2/9/95

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

Print Summary of Outcomes

This option prints a summary report of patient outcomes for a selected date range.

The header of the report contains the name of the report, the date range selected, and the date the report was run. The body of the report contains the outcome and number of times a user answered with a "Yes, No or No Response" to the outcome question. A total is printed for each column of responses. The number of records processed is printed, also. The sum of each Yes, No, and No Response column equals the number of records processed (e.g., 3+38+249=290).

```
Select Reports Menu Option: 14  Print Summary of Outcomes
Select an Observed date range for this report.
Enter Start Date: T-365  (JUL 08, 2003)
Enter Ending Date: T  (JUL 07, 2004)


DEVICE: HOME// <Enter>  ANYWHERE

Report Date: Jul 07, 2004                                Page: 1
                        Summary of Outcomes
                      From: 7/8/03 To: 7/7/04
                                   Yes        No       No Response
------------------------------------------------------------------------
              Patients that Died:          | 2     | 50
      Reactions treated with RX drugs:     | 2     | 50
            Life Threatening illness:      | 2     | 50
               Required ER/MD visit:       |       | 52
            Required hospitalization:      | 2     | 50
            Prolonged Hospitalization:     | 2     | 50
      Resulted in permanent disability:    | 2     | 50
                 Patient recovered:        |       | 52
                Congenital Anomaly:        | 2     | 50
               Required intervention:      | 2     | 50
                                      --------------------------------------
                            Totals:   0    | 16    | 504

                 Total number of records processed 52
Enter RETURN to continue or '^' to exit: ^
```

Frequency Distribution of Causative Agents

This option prints a report of the frequency distribution of causative agents for a date range selected by you.

The header of the report contains the name of the report, the date range selected by you and the date that the report was run. The body of the report contains the name of the causative agent and the number of times it was reported within the date range.

```
Select Reports Menu Option: 15  Frequency Distribution of Causative Agents
Select an Observed date range for this report.
Enter Start Date: T-365  (JUL 08, 2003)
Enter Ending Date: T  (JUL 07, 2004)

DEVICE: HOME// <Enter>  ANYWHERE
Report Date: Jul 07, 2004                                   Page: 1
                  Frequency Distribution of Causative Agents
                        From: 7/8/03 To: 7/7/04
Causative Agents                 Number
--------------------------------------------------------------------------------
                   CHOCOLATE :   6
                 AMOXICILLIN :   3
                        DUST :   3
                  FILGRASTIM :   3
                  PENICILLIN :   3
                      ZANTAC :   3
                   ACYCLOVIR :   2
            ANTIRABIES SERUM :   2
               BACAMPICILLIN :   2
                  RANITIDINE :   2
                      SHRIMP :   2
                STRAWBERRIES :   2
                   ZANAMIVIR :   2
                  AMPICILLIN :   1
                    BENADRYL :   1
   BETA-LACTAM ANTIMICROBIALS :   1
Enter RETURN to continue or '^' to exit:
Report Date: Jul 07, 2004                                   Page: 2
                  Frequency Distribution of Causative Agents
                        From: 7/8/03 To: 7/7/04
Causative Agents                 Number
--------------------------------------------------------------------------------
                    CAFFEINE :   1
                CORICIDIN TAB :   1
        EYE WASHES/LUBRICANTS :   1
                 FLOXURIDINE :   1
                FORMALDEHYDE :   1
                  FORMOTEROL :   1
                  GREEN BEAN :   1
                      IODINE :   1
  LEAD ACETATE PURIFIED POWDER :   1
                  MENADIONE :   1
                     PARABEN :   1
                  PEANUT OIL :   1
     POLLEN ALLERGENIC EXTRACT :   1
        SHILEY TRACH TUBE CFS :   1


               Total number of records processed 52
Enter RETURN to continue or '^' to exit:
```

Frequency Distribution of Drug Classes

This option prints a report of the frequency distribution of drug classes for a selected date range.

The header of the report contains the name of the report, the date range selected, and the date the report was run. The body of the report contains the drug classification name followed by its code in parentheses and the number of times it was reported during the selected date range.

```
Select Reports Menu Option: 16  Frequency Distribution of Drug Classes
Select an Observed date range for this report.
Enter Start Date: T-365  (JUL 08, 2003)
Enter Ending Date: T  (JUL 07, 2004)


DEVICE: HOME//   ANYWHERE

Report Date: Jul 07, 2004                                    Page: 1
                  Frequency Distribution of Drug Classes
                       From: 7/8/03 To: 7/7/04
Drug Class                           Number
-------------------------------------------------------------------------
 PENICILLINS,AMINO DERIVATIVES (AM052) :    6
                 ANTIVIRALS (AM800) :    4
        HISTAMINE ANTAGONISTS (GA301) :    4
     BLOOD FORMATION PRODUCTS (BL400) :    3
PENICILLIN-G RELATED PENICILLI (AM051) :    3
 DERMATOLOGICALS,TOPICAL OTHER (DE900) :    2
                IMMUNE SERUMS (IM400) :    2
            ANTIVIRAL,TOPICAL (DE103) :    2
    BETA-LACTAM ANTIMICROBIALS (AM100) :    1
ANTINEOPLASTICS,ANTIMETABOLITE (AN300) :    1
     ANTISEPTICS/DISINFECTANTS (AS000) :    1
    IMMUNOLOGICAL AGENTS,OTHER (IM900) :    1
          EYE WASHES/LUBRICANTS (OP500) :    1
 PHARMACEUTICAL AIDS/REAGENTS (PH000) :    1
BRONCHODILATORS,SYMPATHOMIMETI (RE102) :    1
               SUPPLIES,OTHER (XA900) :    1
  ANTIHISTAMINES,ETHANOLAMINE (AH102) :    1
                    MENADIOL (VT701) :    1


                  Total number of records processed 52
Enter RETURN to continue or '^' to exit:
```

Total Reported Reactions Over a Date Range

This option prints a report of the total number of reported reactions for a selected date range.

The header of the report contains the title of the report and when it was run. The body of report contains the total number of actions reported for the date range listed.

```
Select Reports Menu Option: 17  Total Reported Reactions Over a Date Range
Select an Observed date range for this report.
Enter Start Date: T-365  (JUL 08, 2003)
Enter Ending Date: T  (JUL 07, 2004)


DEVICE: HOME//   ANYWHERE

Report Date: Jul 07, 2004                                        Page: 1
                             Reported Reactions
-------------------------------------------------------------------------------
                Total Number of Reported Reactions: 52
                      From: 7/8/03   To: 7/7/04
Enter RETURN to continue or '^' to exit:
```

P&T Committee ADR Outcome Report

This option displays a list of Adverse Drug Reactions (ADR) over a date range and a summary of the listed outcomes for those ADRs. The header of this report contains the name of the report, the date range selected, and the date the report was run. The body of the report contains the date the reaction was observed, the causative agent, the signs and symptoms, whether the reaction required treatment (Req. Tx), whether the reaction required hospitalization (Req. Hosp), whether the reaction caused a permanent disability (Dis.), and did the patient die as a result of the reaction.

```
Select Reports Menu Option: 18  P&T Committee ADR Outcome Report Select an Observed
date range for this report.
Enter Start Date: T-365  (JUL 08, 2003)
Enter Ending Date: T  (JUL 07, 2004)


DEVICE: HOME// <Enter>  ANYWHERE

Report Date: Jul 07, 2004                                        Page: 1
                   P&T Committee ADR Outcome Report
                       From: 7/8/03 To: 7/7/04
--------------------------------------------------------------------------------
Obsv.   |                               |                 |Req.|Req.|    |
Date    |Causative agent-Pat. ID        |Sign/Symptoms    |Tx  |Hosp|Dis.|Death
--------------------------------------------------------------------------------
 7/16/03|BETA-LACTAM ANTIMICROB-C0003   |HYPOTENSION      |    |    |    |
        |                               |ANAPHYLAXIS      |    |    |    |
        |                               |                 |    |    |    |
 7/16/03|RANITIDINE-D0003               |CHILLS           |    |    |    |
        |                               |                 |    |    |    |
 7/30/03|PARABEN-F0008                  |                 |    |    |    |
        |                               |                 |    |    |    |
 7/31/03|CHOCOLATE-W0007                |                 |    |    |    |
        |                               |                 |    |    |    |
  8/1/03|ACYCLOVIR-A0002                |CHILLS           |    |    |    |
        |                               |                 |    |    |    |
  8/1/03|BENADRYL-F0008                 |NAUSEA,VOMITING  |    |    |    |
        |                               |CHILLS           |    |    |    |
        |                               |                 |    |    |    |
Enter RETURN to continue or '^' to exit:

Report Date: Jul 07, 2004                                        Page: 2
                   P&T Committee ADR Outcome Report
                       From: 7/8/03 To: 7/7/04
--------------------------------------------------------------------------------
Obsv.   |                               |                 |Req.|Req.|    |
Date    |Causative agent-Pat. ID        |Sign/Symptoms    |Tx  |Hosp|Dis.|Death
--------------------------------------------------------------------------------
 8/19/03|CHOCOLATE-B0005                |CHILLS           |    |    |    |
        |                               |                 |    |    |    |
 8/21/03|DUST-J0009                     |CHILLS           |    |    |    |
        |                               |                 |    |    |    |
 8/27/03|DUST-W0001                     |CHILLS           |    |    |    |
        |                               |                 |    |    |    |
 8/27/03|SHILEY TRACH TUBE CFS-S0003    |CHILLS           |    |    |    |
        |                               |                 |    |    |    |
 8/28/03|CHOCOLATE-W0001                |DRY NOSE         |    |    |    |
        |                               |                 |    |    |    |
 8/28/03|GREEN BEAN-F0028               |CHILLS           |    |    |    |
```

```
            |                            |                    |    |    |    |
 8/28/03|STRAWBERRIES-A0002          |CHILLS              |    |    |    |
            |                            |                    |    |    |    |
Enter RETURN to continue or '^' to exit:

Report Date: Jul 07, 2004                                    Page: 3
                    P&T Committee ADR Outcome Report
                       From: 7/8/03 To: 7/7/04
--------------------------------------------------------------------------------
Obsv.    |                            |                    |Req.|Req.|    |
Date     |Causative agent-Pat. ID     |Sign/Symptoms       |Tx  |Hosp|Dis.|Death
--------------------------------------------------------------------------------
 8/28/03|ZANTAC-A0002                |ANXIETY             |    |    |    |
            |                            |                    |    |    |    |
 8/28/03|ZANTAC-W0001                |ANXIETY             |    |    |    |
            |                            |                    |    |    |    |
 9/17/03|POLLEN ALLERGENIC EXTR-B0003 |HYPOTENSION        |    |    |    |
            |                            |                    |    |    |    |
 11/4/03|CAFFEINE-B0003              |RASH                |    |    |    |
            |                            |                    |    |    |    |
 1/19/04|EYE WASHES/LUBRICANTS-A0004 |DROWSINESS          |    |    |    |
            |                            |                    |    |    |    |
 1/27/04|DUST-N0005                  |CHILLS              |    |    |    |
            |                            |                    |    |    |    |
 1/30/04|CHOCOLATE-B0006             |CHILLS              |    |    |    |
            |                            |                    |    |    |    |
Enter RETURN to continue or '^' to exit:

Report Date: Jul 07, 2004                                    Page: 4
                    P&T Committee ADR Outcome Report
                       From: 7/8/03 To: 7/7/04
--------------------------------------------------------------------------------
Obsv.    |                            |                    |Req.|Req.|    |
Date     |Causative agent-Pat. ID     |Sign/Symptoms       |Tx  |Hosp|Dis.|Death
--------------------------------------------------------------------------------
 1/30/04|CHOCOLATE-Z0001             |CHILLS              |    |    |    |
            |                            |                    |    |    |    |
  2/2/04|PENICILLIN-L0007            |ITCHING,WATERING EY|    |    |    |
            |                            |                    |    |    |    |
  2/2/04|ZANTAC-N0005                |CHILLS              |    |    |    |
            |                            |                    |    |    |    |
 2/12/04|AMOXICILLIN-Z0005           |CHILLS              |    |    |    |
            |                            |DRY MOUTH           |    |    |    |
            |                            |                    |    |    |    |
 2/18/04|FILGRASTIM-Z0003            |CHILLS              |    |    |    |
            |                            |                    |    |    |    |
 2/18/04|FILGRASTIM-Z0003            |CHILLS              |    |    |    |
            |                            |ITCHING,WATERING EY|    |    |    |
            |                            |                    |    |    |    |
Enter RETURN to continue or '^' to exit:

Report Date: Jul 07, 2004                                    Page: 5
                    P&T Committee ADR Outcome Report
                       From: 7/8/03 To: 7/7/04
--------------------------------------------------------------------------------
Obsv.    |                            |                    |Req.|Req.|    |
Date     |Causative agent-Pat. ID     |Sign/Symptoms       |Tx  |Hosp|Dis.|Death
--------------------------------------------------------------------------------
 2/19/04|AMOXICILLIN-Z0005           |HYPOTENSION         |    |    |    |
            |                            |                    |    |    |    |
 2/19/04|PENICILLIN-Z0005            |CHILLS              |    |    |    |
            |                            |                    |    |    |    |
 2/26/04|FILGRASTIM-Z0004            |CHILLS              |    |    |    |
```

```
          |                         |FREE TEXT        |    |    |    |
          |                         |                 |    |    |    |
 2/26/04|MENADIONE-Z0022            |CHILLS           |    |    |    |
          |                         |FREE TEXT        |    |    |    |
          |                         |                 |    |    |    |
 2/27/04|BACAMPICILLIN-B0009        |DIARRHEA         |    |    |    |
          |                         |                 |    |    |    |
 2/27/04|BACAMPICILLIN-Z0005        |DIARRHEA         |    |    |    |
          |                         |                 |    |    |    |
Enter RETURN to continue or '^' to exit:

Report Date: Jul 07, 2004                              Page: 6
                  P&T Committee ADR Outcome Report
                     From: 7/8/03 To: 7/7/04
--------------------------------------------------------------------------------
Obsv.   |                         |                 |Req.|Req.|    |
Date    |Causative agent-Pat. ID  |Sign/Symptoms    |Tx  |Hosp|Dis.|Death
--------------------------------------------------------------------------------
 3/16/04|CHOCOLATE-A0015           |DROWSINESS       |    |    |    |
          |                         |NAUSEA,VOMITING  |    |    |    |
          |                         |DIARRHEA         |    |    |    |
          |                         |                 |    |    |    |
 3/16/04|PEANUT OIL-A0015          |HYPOTENSION      |    |    |    |
          |                         |DIARRHEA         |    |    |    |
          |                         |DRY MOUTH        |    |    |    |
          |                         |                 |    |    |    |
 3/17/04|CORICIDIN TAB-A0004       |CHILLS           |    |    |    |
          |                         |HYPOTENSION      |    |    |    |
          |                         |                 |    |    |    |
  4/2/04|AMPICILLIN-A0008          |CHILLS           |    |    |    |
          |                         |                 |    |    |    |
  4/5/04|STRAWBERRIES-A0008        |CHILLS           |    |    |    |
Enter RETURN to continue or '^' to exit:

Report Date: Jul 07, 2004                              Page: 7
                  P&T Committee ADR Outcome Report
                     From: 7/8/03 To: 7/7/04
--------------------------------------------------------------------------------
Obsv.   |                         |                 |Req.|Req.|    |
Date    |Causative agent-Pat. ID  |Sign/Symptoms    |Tx  |Hosp|Dis.|Death
--------------------------------------------------------------------------------
          |                         |                 |    |    |    |
 4/30/04|PENICILLIN-D0006          |HIVES            |    |    |    |
          |                         |                 |    |    |    |
 5/20/04|IODINE-B0047              |DRY NOSE         |    |    |    |
          |                         |                 |    |    |    |
 5/20/04|LEAD ACETATE PURIFIED -Z0008 |HIVES         |    |    |    |
          |                         |                 |    |    |    |
  6/8/04|ANTIRABIES SERUM-H0001    |CHILLS           |    |    |    |
          |                         |                 |    |    |    |
  6/8/04|ANTIRABIES SERUM-A0009    |CHILLS           |    |    |    |
          |                         |                 |    |    |    |
 6/15/04|SHRIMP-T0008              |HIVES            |    |    |    |
          |                         |                 |    |    |    |
 6/21/04|ACYCLOVIR-Z0008           |HYPOTENSION      |    |    |    |
Enter RETURN to continue or '^' to exit:

Report Date: Jul 07, 2004                              Page: 8
                  P&T Committee ADR Outcome Report
                     From: 7/8/03 To: 7/7/04
--------------------------------------------------------------------------------
Obsv.   |                         |                 |Req.|Req.|    |
Date    |Causative agent-Pat. ID  |Sign/Symptoms    |Tx  |Hosp|Dis.|Death
```

```
--------------------------------------------------------------------------------
         |                             |           |     |     |     |
 6/21/04|RANITIDINE-Z0008             |CHILLS     |     |     |     |
         |                             |           |     |     |     |
 6/21/04|ZANAMIVIR-Z0008             |CHILLS     |     |     |     |
         |                             |           |     |     |     |
 6/21/04|ZANAMIVIR-Z0008             |CHILLS     |     |     |     |
         |                             |HYPOTENSION|     |     |     |
         |                             |           |     |     |     |
 6/28/04|SHRIMP-A0004                |RASH       |     |     |     |
         |                             |           |     |     |     |
 6/30/04|AMOXICILLIN-A0004           |           |     |     |     |
         |                             |           |     |     |     |
 6/30/04|FLOXURIDINE-A0004           |RASH       |     |     |     |
         |                             |HIVES      |     |     |     |
Enter RETURN to continue or '^' to exit:

Report Date: Jul 07, 2004                                      Page: 9
                    P&T Committee ADR Outcome Report
                      From: 7/8/03 To: 7/7/04
--------------------------------------------------------------------------------
Obsv.   |                             |           |Req.|Req.|     |
Date    |Causative agent-Pat. ID     |Sign/Symptoms|Tx |Hosp|Dis.|Death
--------------------------------------------------------------------------------
         |                             |           |     |     |     |
 6/30/04|FORMALDEHYDE-A0004          |RASH       |     |     |     |
         |                             |           |     |     |     |
 6/30/04|FORMOTEROL-A0004            |RASH       |     |     |     |
         |                             |           |     |     |     |
Enter RETURN to continue or '^' to exit:
```

P&T Committee ADR Report

This option displays a list of Adverse Drug Reactions (ADRs) over a date range. The
Sign/Symptoms, Mechanism, Severity, and Comments are displayed for each ADR. This
report should be queued to a printer that has a column width of 132 characters. The
header of the report contains the name of the report, the date range selected, and the date
the report was run. The body of the report contains the date the reaction was observed,
the causative agent, the signs and symptoms, the mechanism of the adverse reaction (i.e.,
A=Allergy, P=Pharmacologic, and U=Unknown), and any comments entered. The
comments are identified by category (i.e., Observer, Verifier or Entered in Error).

```
Select Reports Menu Option: 19 P&T Committee ADR Report
Select an Observed date range for this report.
Enter Start Date: 1/1/96 (JAN 01, 1996)
Enter Ending Date: 1/31/96 (JAN 31, 1996)

This report required a 132 column printer.

DEVICE: HOME// QUEUE TO PRINT ON
DEVICE: HOME// SELECT APPROPRIATE PRINTER COMPUTER ROOM

Requested Start Time: NOW// < Enter> (FEB 06, 1996@11:23:22)

Request queued...
                  Report Date: Feb 06, 1996 Page: 1
                     P&T Committee ADR Report
```

```
                              From: 1/1/96 To: 1/31/96
--------------------------------------------------------------------------------
Obsv.   |                               |        | |ADR |ADR |
Date    |Causative agent                |Sign/Symptoms   |Mech |Svr.|Comments
--------------------------------------------------------------------------------
1/1/96  |PSUEDOEPHEDRINE                |HIVES            | U   |    |OBSERVER COMMENTS:
        |                               |ITCHING,WATERING EY |  |    |THIS IS A TEST
        |                               |NAUSEA,VOMITING  |     |    |
        |                               |DIARRHEA         |     |    |
        |                               |ANXIETY          |     |    |
        |                               |CHILLS           |     |    |
        |                               |DROWSINESS       |     |    |
        |                               |DRY MOUTH        |     |    |
        |                               |HYPOTENSION      |     |    |
        |                               |                 |     |    |
1/8/96  |SALT SUBSTITUTE                |SWELLING (NON-SPECI | U  |MOD.|OBSERVER COMMENTS:
        |                               |NAUSEA,VOMITING  |     |    |Patient's swelling
        |                               |                 |     |    |was observed by the
        |                               |                 |     |    | nurse.
        |                               |                 |     |    |
        |                               |                 |     |    |
1/8/96  |FUZZEL                         |HIVES            | U   |    |OBSERVER COMMENTS:
        |                               |ITCHING,WATERING EY |  |    |
        |                               |NAUSEA,VOMITING  |     |    |
        |                               |DIARRHEA         |     |    |
        |                               |ANXIETY          |     |    |
        |                               |                 |     |    |
1/9/96  |POLLEN                         |ITCHING,WATERING EY | U  |MOD.|OBSERVER COMMENTS:
        |                               |                 |     |    |the patient had a
        |                               |                 |     |    |moderate reaction
        |                               |                 |     |    |to some flowers.
        |                               |                 |     |    |
1/10/96 |ASPIRIN                        |NAUSEA,VOMITING  | U   |    |
        |                               |DRY MOUTH        |     |    |
```

Using ART in CPRS GUI

On the Cover Sheet

In the Allergies/Adverse Reactions pane on the Cover Sheet tab, CPRS displays a list of causative agents associated with patients' allergies or adverse reactions. If patients have causative agents listed in this pane, CPRS also displays the word *Allergies* in the Postings pane and the letter **A** (for allergies) on the Postings button. To view more information about allergies or adverse reactions associated with the causative agents listed in the Allergies/Adverse Reactions pane, simply click on the causative agent in which you are interested. CPRS then displays a comprehensive listing of the details associated with this causative agent.

You can obtain less comprehensive information about allergies and adverse reactions by clicking the word *Allergies* in the Postings pane. When you do this, CPRS displays information about the causative agents, severity, and signs/symptoms associated with patients' allergies and adverse reactions.

From the Cover Sheet tab, you can also:

- Enter new allergies
- Mark existing allergies or adverse reactions as having been entered in error
- Enter No-Known-Allergies (NKA) assessments

Entering Allergies from the Cover Sheet

You can enter a new allergy or adverse reaction from the Cover Sheet tab in either of two ways:

- Right-click anywhere within the Allergies/Adverse Reactions pane.
- Click to display more information about a causative agent listed in the Allergies/Adverse Reactions pane.

Method One

Follow these steps to enter new allergies using the first of the two methods mentioned above:

1. Move your mouse arrow to a location anywhere within the Allergies/Adverse Reactions pane.

2. Right-click to display a pop-up menu.

3. From this menu, select Enter new allergy. CPRS displays the Allergy Reactant Lookup dialog.
   Note: Many new synonyms have been added to the ALLERGY REACTANT file #120.82, as part of data standardization. When you open the Allergy Reactant Lookup window and enter three characters for a causative agent, you might see a list of matches such as this (see Figure 1)

   (The new synonyms are the ones in the <> brackets.)
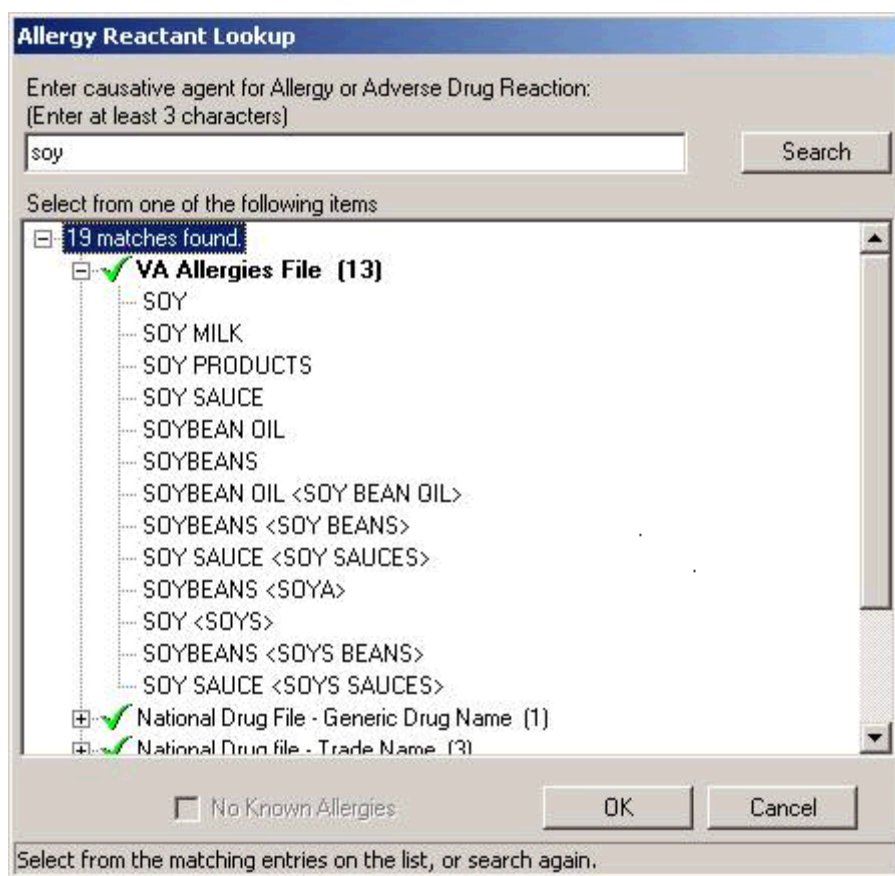
Figure 1. Allergy Reactant Lookup Window

4. In the Enter causative agent for Allergy or Adverse Drug Reaction field, type the first three characters (minimum) of the causative agent's name.

5. Click Search. CPRS displays a list of possible matches. NOTE: in this example there are matches in the National Drug File – Generic Name, and also in the National Drug File – Trade name, and possibly even matches in the two files that can't be seen in the example, Drug Class and Drug Ingredient.

6. If the causative agent you typed does not match any of the agents currently available, CPRS displays the Causative Agent Not On File Dialog (Figure 2), from which you can select one of the following three options:

Note: The patient's chart will not be updated unless you choose a causative agent that is on file.
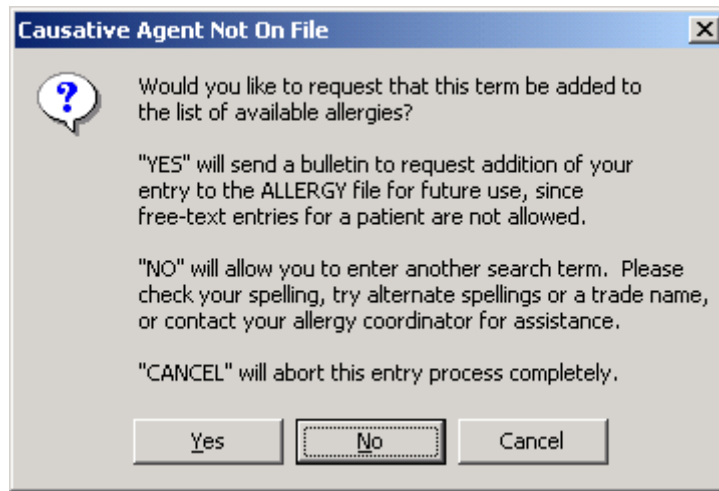
Figure 2. Causative Agent Not On File Dialog

a. **Yes**: Use this option to request that the causative agent be added to the ALLERGY REACTANT file. When you click Yes, CPRS displays the Enter Optional Comments dialog, which enables you to type additional comments (optional), such as the signs or symptoms that occurred as a result of contact with this causative agent, or whether you observed these symptoms firsthand. After you type your comments, click Continue. CPRS then sends to your site's mailgroup a message that includes the following items:

- The causative agent you attempted to enter
- The name of the patient for whom you attempted to make this entry
- Your name, title, and contact information
- Your comments (if any)

Members of your mailgroup will review this message and, if appropriate, will request that the agent be entered using the NTRT system, so that it can add the causative agent to the ALLERGY REACTANT file for all sites.

Note: If your site's IRM staff has not yet added members to your site's GMRA Request New Reactant mail group, CPRS displays the message in Figure 3.
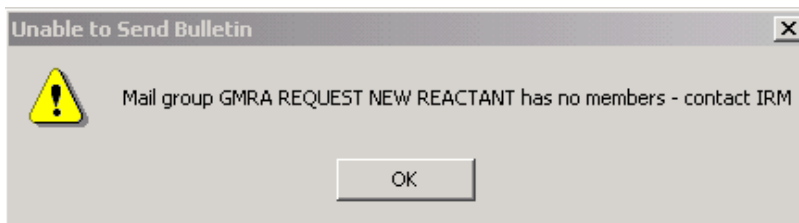
Figure 3. Unable to Send Bulletin Window

b. **No**: Clicking No enables you to try an alternate spelling or trade name for your causative agent, or to type another causative agent.

c. **Cancel**: Use this option if you want to cancel your allergy entry.

7. If the causative agent you typed matches an agent that is currently available, select the agent. (Click + to expand a heading.)

Note: With CPRS GUI 24 or later, you may not add free-text causative agents. If you select an item under the "Add new free-text allergy" heading, CPRS displays the *Causative Agent Not On File* dialog. (See Step 6 above.)

8. Click OK. The Enter Allergy or Adverse Reaction dialog appears. See Figure 4.

Note: Synonyms appear now in <> brackets.

Note: By hovering over the Allergy or Adverse Reaction Type (Observed/Historical), the user gets help text defining the two types.
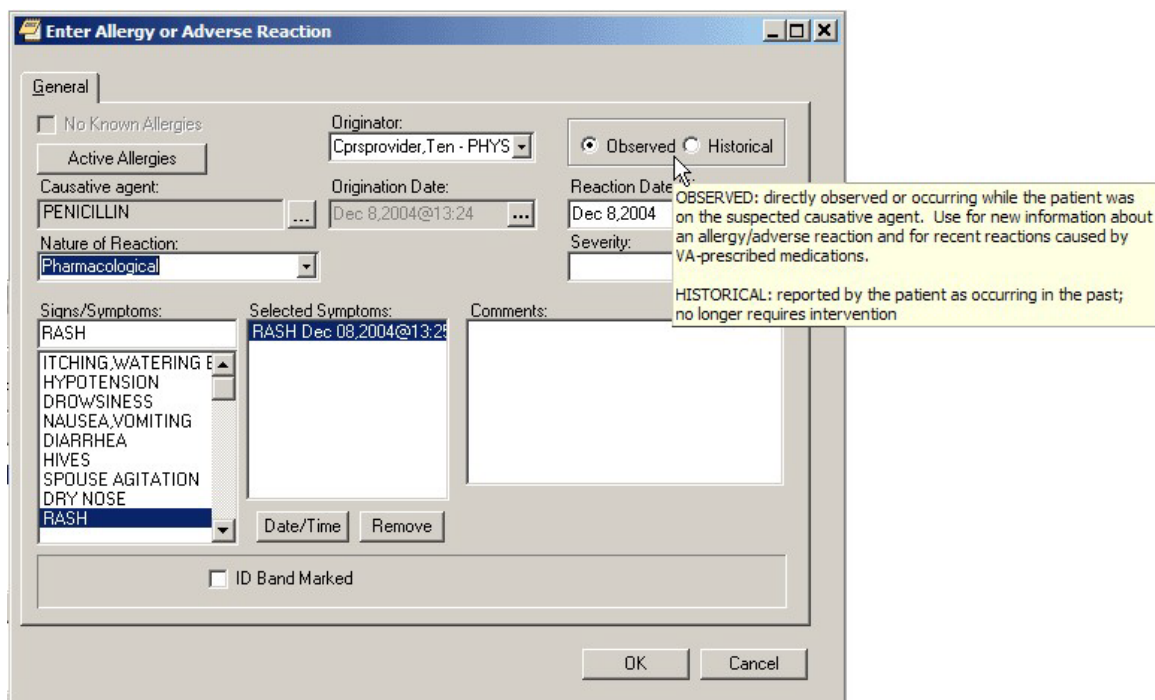
Figure 4. Enter Allergy or Adverse Reaction Dialog

Note: You can view a patient's current allergies or adverse reactions by clicking the Active Allergies button.

9. Using the Originator box, select an originator.

10. Use the Observed or Historical option button to indicate whether the entry is for an observed or historical allergy, respectively. (If you point your mouse at either of these option buttons, CPRS displays a hover hint that defines observed and historical.)

Note: CPRS does not allow you to select future dates for allergy/adverse reaction entries.

Note: When you select Observed for a drug reaction, CPRS generates a Progress Note. Once this note is signed by the user entering the allergy or by an administrative update user, the note will be viewable by all users.

11. Select the Nature of Reaction (Allergy, Pharmacological, or Unknown).

The Nature of Reaction can be Allergy, Pharmacologic, or Unknown. An allergic reaction occurs because the patient is sensitive to a causative agent, regardless of the amount the patient is exposed to. A pharmacologic (non-allergic) reaction occurs when the patient is sensitive to an agent under certain conditions, such as exposure to a large amount. Unknown is provided if you are not sure what Nature of Reaction (mechanism) to enter.

Note: Allergies are a subset of adverse reactions. All allergies are adverse reactions, but not all adverse reactions are allergies.

12. If you are entering an observed or historical allergy, use the Reaction Date/Time and Severity boxes to select a reaction date, time, and severity. These are optional for historical allergies. (If the Severity box is visible, CPRS displays a **?** button at its side. If you click this button, CPRS displays text explaining severity selections.) See Figure 5.
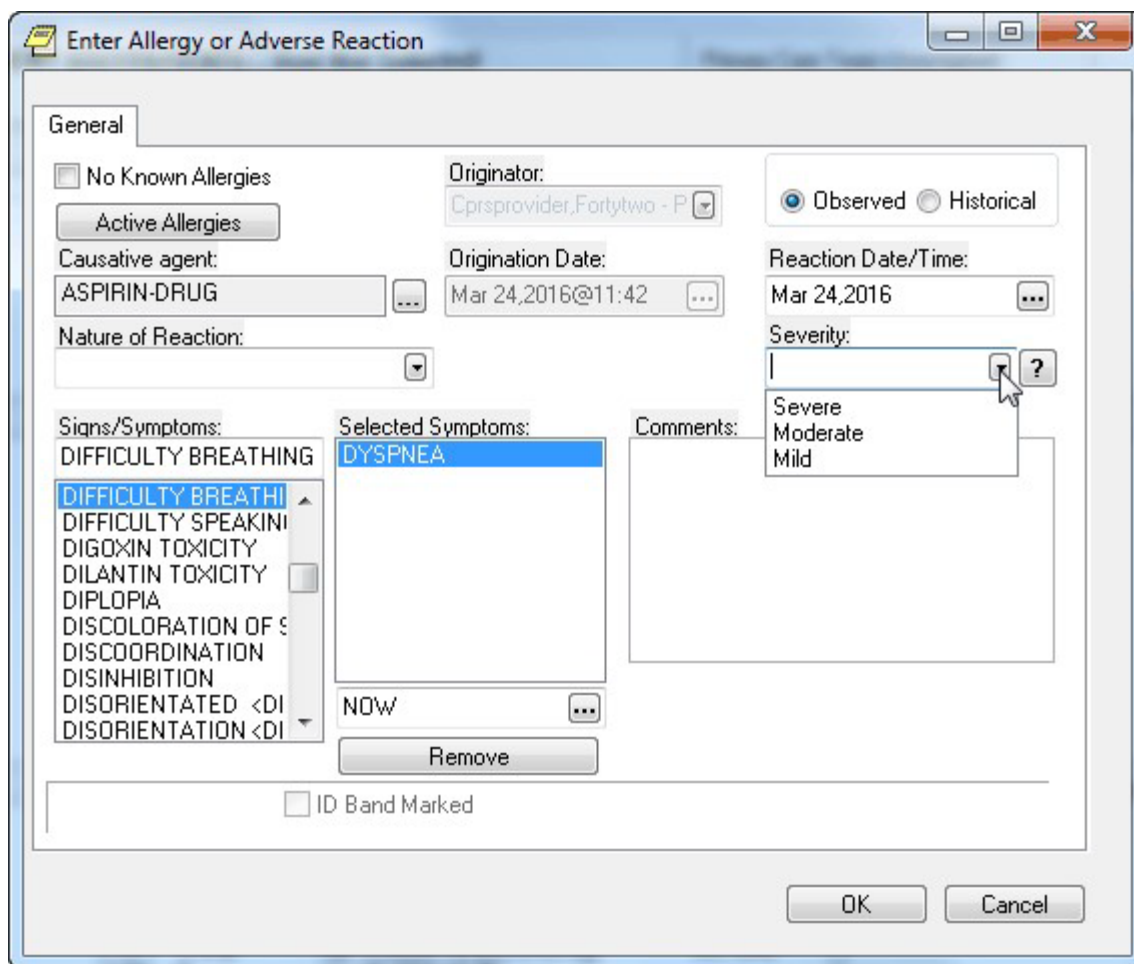
Figure 5. Selecting a Reaction Date, Time and Severity

13. Using the Signs/Symptoms box, select one or more signs or symptoms. The signs and symptoms you select appear in the Selected Symptoms pane.

   Note: You must enter at least one sign/symptom or a comment of at least four characters when documenting a historical allergy/adverse drug reaction.

14. To associate a date and time with a symptom (optional), click to select the symptom in the Selected Symptoms pane.

15. Click the Date/Time button located below the Selected Symptoms pane. CPRS displays the Select Date/Time dialog, from which you can select the date and time that the symptom first appeared.

   Note: If you mistakenly enter a sign or symptom but have not yet accepted it by selecting OK, select the symptom in the Selected Symptoms pane and click the Remove button located beneath the pane.

16. Type comments for the allergy in the Comments box.

17. If you have marked the allergy or adverse reaction on the patient's identification (ID) band (or if you know that someone else has), select the ID Band Marked checkbox.

> **Note:** CPRS activates the ID Band Marked checkbox only for inpatients and then only if your site's IRM staff has set a parameter indicating that your site wants to track this information. Depending on whether your IRM staff has set related parameters, if you do *not* select activated ID Band Marked checkbox, the system may send a bulletin notifying a mail group that the patient's allergy or adverse reaction is not marked on his or her ID band.

18. Click OK.

> **Note**: When you click OK, CPRS generates an email bulletin to the GMRA MARK CHART mail group. The bulletin provides a reminder that the patient chart must be updated with the allergy/adverse reaction information displayed in the bulletin message.

19. If the newly entered allergy is related to existing pending and active orders, then the Existing Medication Allergy dialog is displayed for each order discovered:
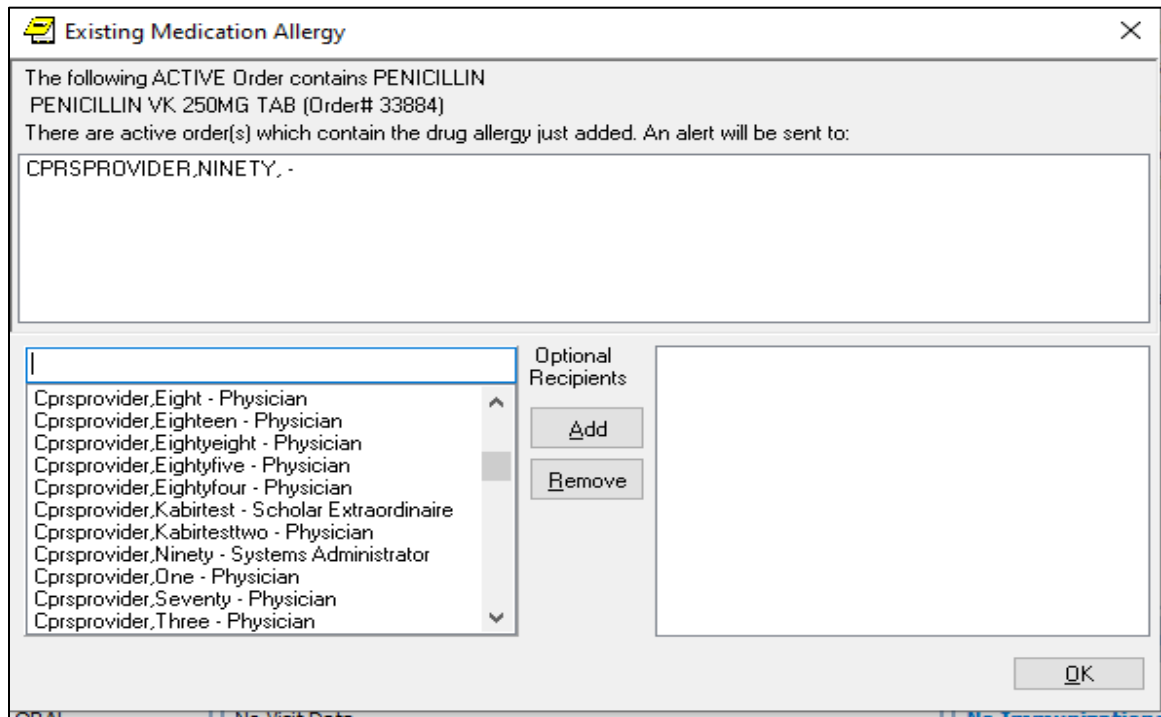
20. An Existing Medication Allergy will result in the NEW ALLERGY ENTERED/ACTIVE MED notification being sent to the default providers defined in the ORB PROVIDER RECIPIENTS parameter. Those providers who can

receive the notification are displayed. **Note:** If a default provider recipient cannot receive the notification, they will not be listed.

21. The person entering the new allergy will also be able to select Optional Recipients to receive the NEW ALLERGY ENTERED/ACTIVE MED notification.

CPRS displays the newly entered causative agent in the Allergies/Adverse Reactions pane. If you click on the causative agent, CPRS displays all of the information you just entered about the associated allergy or adverse reaction. CPRS also displays the letter **A** (for allergies) on the Postings button and the word *Allergies* in the Postings pane. If you click the word *Allergies* in the Postings pane, CPRS displays selected information about all of the patient's active allergies and adverse reactions, including the allergy or adverse reaction you just entered.

Method Two

Follow these steps to enter a new allergy using the second of the two methods mentioned above.

1. Click to select a causative agent listed in the Allergies/Adverse Reactions pane. CPRS displays a dialog that includes details about the allergy or adverse reaction associated (see Figure 6).


```
Ionic Contrast Media                                    [x]

       Causative agent:  IONIC CONTRAST MEDIA
   Nature of Reaction:  Allergy

       Signs/symptoms:  NAUSEA,VOMITING

         Drug Classes:  IONIC CONTRAST MEDIA

           Originator:  CPRSPROVIDER,NINE (PHYSICIAN)
           Originated:  Jul 22, 2005@13:16
             Verified:  <auto-verified>
  Observed/Historical:  Historical



   [Add New]              [Entered in Error]  [Print]  [Close]
```
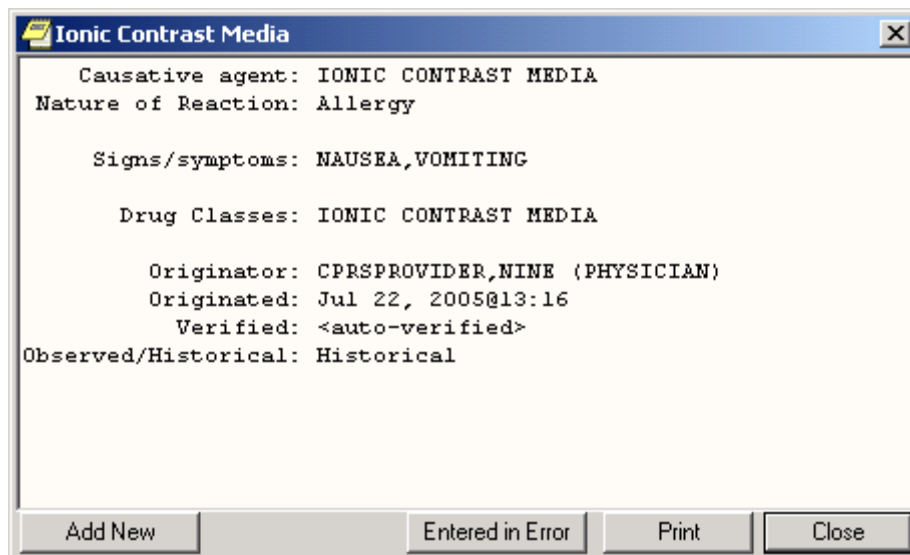
Figure 6. Details About Allergy/Adverse Reaction Dialog

2. Click the Add New button. CPRS displays the Allergy Reactant Lookup dialog.

3. Follow steps 4 through 21 of the instructions for entering allergies using the first method. CPRS displays the newly entered causative agent in the Allergies/Adverse Reactions pane. If you click on the causative agent, CPRS displays all of the information you just entered about the associated allergy or adverse reaction. CPRS also displays the letter **A** (for allergies) on the Postings button and the word *Allergies* in the Postings pane. If you click the word *Allergies* in the Postings pane,

CPRS displays selected information about all of the patient's allergies or adverse reactions, including the allergy or adverse reaction you just entered.

Entering No-Known-Allergies Assessments

You can enter no-known-allergies (NKA) assessments for patients who have no active allergies by taking the following steps:

1. Right-click within the Allergies/Adverse Reactions pane.

2. From this menu, select Mark patient as having No Known Allergies (NKA)**.** CPRS displays the No Known Allergies dialog. See Figure 7.

Figure 7. No Known Allergies Dialog

Note: CPRS activates The Mark patient as having No Known Allergies (NKA) menu selection only for patients who have no active allergies. When patients have active allergies, CPRS deactivates this selection.

3. Click **OK**.

Marking Allergies as Entered in Error

CPRS offers two methods for marking allergies as having been entered in error. To mark an allergy as entered in error, the user must have the parameter OR ALLERGY ENTERED IN ERROR appropriately set.

Method One

Follow these steps to use the first method:

1. In the Allergies/Adverse Reactions pane, place your mouse pointer over an erroneously entered causative agent and right-click to display a menu.

2. From this menu, select Mark selected allergy as entered in error. CPRS displays the **Mark** Allergy/Adverse Reaction Entered In Error dialog. See Figure 8.
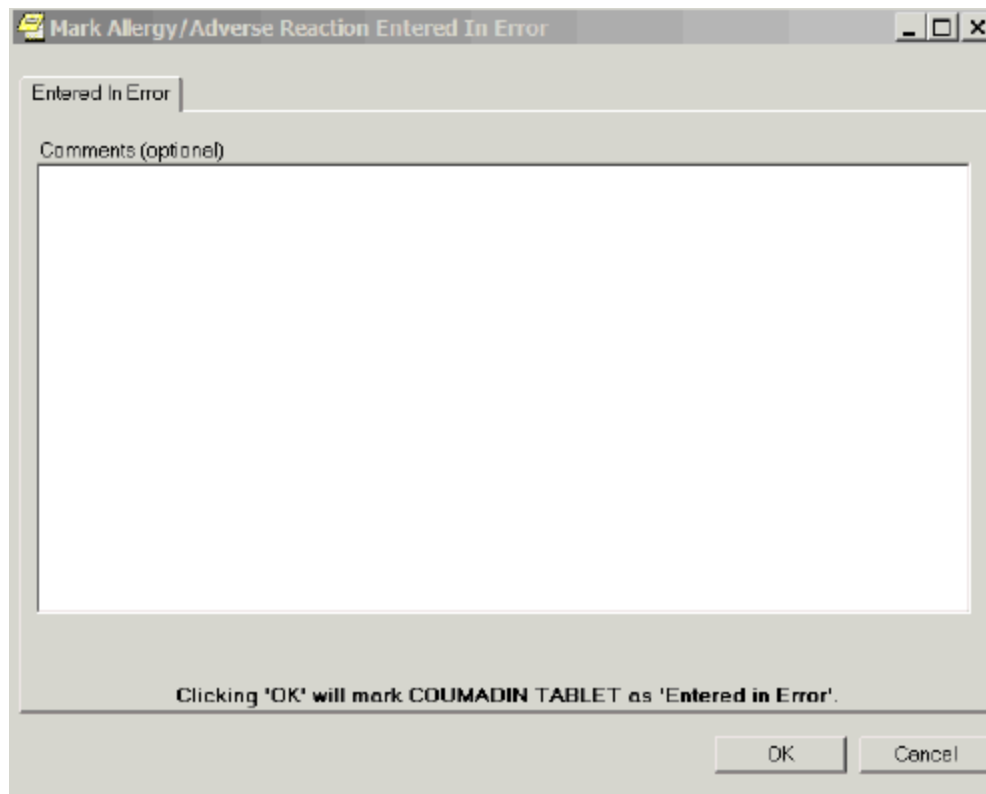
Figure 8. Mark Allergy/Adverse Reaction Entered In Error Dialog

3. If your site has enabled the *Comments* feature, you may (optionally) type comments in the Comments (optional) text box.

    Note: If your site has not enabled the *Comments* feature, CPRS disables the dialog, which in this case is named Comments (disabled).

4. Click **OK**. CPRS displays an Are you Sure? dialog.

5. If you are sure the causative agent was entered in error, click Yes. CPRS removes the causative agent from the Allergies/Adverse Reactions pane and from the list of allergies it displays when you click *Allergies* in the Postings pane.

   Note: CPRS also generates a Progress Note when an allergy is marked "Entered in Error". When this note is signed by the user who marked the allergy as entered in error or by an administrative update user, the note will be viewable by all CPRS users.

Method Two

Take the following steps to use the second method:

1. Click a causative agent (or highlight using the Tab and arrow keys and press <Enter>) that appears in the Allergies/Adverse Reactions pane. CPRS displays a dialog that contains detailed information about the allergy or adverse reaction. This dialog includes four buttons.

2. Click the Entered in Error button. CPRS displays the Mark Allergy/Adverse Reaction Entered In Error dialog.

3. If your site has enabled the *Comments* feature, you may (optionally) type comments in the Comments (optional) dialog.

4. Click OK. CPRS displays an Are you Sure? dialog.

5. If you are sure the causative agent was entered in error, click **Yes.** CPRS removes the causative agent from the Allergies/Adverse Reactions pane and from the list of allergies it displays when you click *Allergies* in the Postings pane.

   Note: CPRS also generates a Progress Note when an allergy is marked "Entered in Error". When this note is signed by the user who marked the allergy as entered in error or by an administrative update user, the note will be viewable by all CPRS users.

Allergy Detail changes

When you look at the detail of an allergy, you may see updates based on the VETS push.

Sample of detail listed below:

```
   Causative agent: PROPYL PARABEN
 Nature of Reaction: Adverse Reaction

     Signs/symptoms: ECG: EXTRASYSTOLE

                     PAIN IN EYE
                     MYOCARDIAL INFARCTION
                     MUSCLE WEAKNESS
                     AKATHISIA
                     SERUM AMYLASE RAISED
                     WEIGHT GAIN FINDING
                     WEAKNESS PRESENT

       Drug Classes: MULTIVITAMINS
         Originator: CPRSTESTER,TWO (BAY PINES TEST LAB)
         Originated: Jun 07, 2005@18:06
 Obs dates/severity: JUN 07, 2005 SEVERE

           Verified: <auto-verified>
Observed/Historical: Observed
```

Reviewing and Creating Postings

Postings contain critical patient-related information that hospital staffs need to be aware of. The Postings button is visible on all tabs of the CPRS GUI window and is always located in the upper right corner of the window.

To view a posting using the Postings (CWAD) button, follow these steps:

1. Click the Postings button (available from any tab). CPRS displays the *Patient Postings* dialog. See Figure 9.
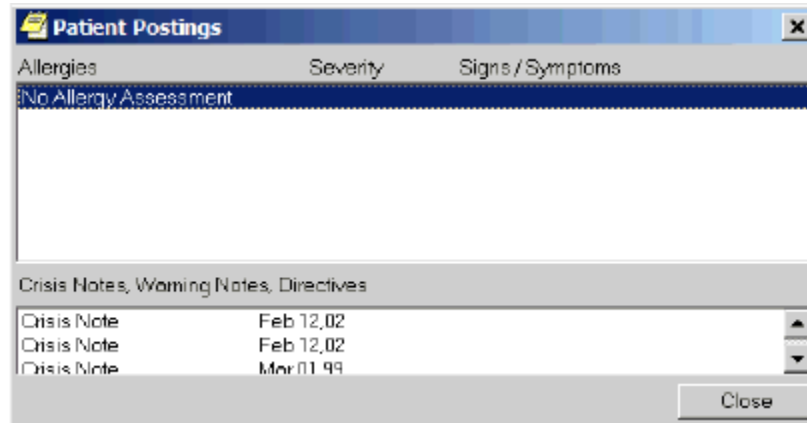
Figure 9. Patient Postings Dialog

2. From the *Patient Postings* dialog, click to select the particular posting in which you are interested.

   To view the posting from the Cover Sheet, follow these steps:

3. On the Cover Sheet tab, click on a specific posting that appears in the Postings pane to display the details.

4. When finished, click Close.

Entering Allergies from the Orders Tab

Although allergies and adverse reactions are not orders and CPRS does not display them on the **Orders** tab, you can enter allergies and adverse reactions from the **Orders** tab. You can also enter allergies from the **Cover Sheet** tab. (See "Entering Allergies" in the Assessing, Entering, and Reviewing Allergies/Adverse Reactions" section of this manual.)

Entering New Allergies

To enter allergies or adverse reactions from the **Orders** tab, take the following steps:

1. Click the Orders tab.

2. Select Allergies from the Write Orders pane. The Allergy Reactant Lookup dialog appears.

Note: Your site may have defined and configured other order menus to include allergy-entry dialogs. Regardless of the allergy-entry menu you select, if you haven't entered encounter information, the Location for Current Activities dialog appears before the Allergy Reactant Lookup dialog appears. You must complete the Location for Current Activities dialog before proceeding.

3. Type the causative agent in the search field. (You must enter the first three letters (minimum) of the agent's name.)

4. Click Search. Matching agents appear in the Select from one of the following items pane. If the causative agent you typed does not match any of the agents currently available for your site, CPRS displays the Causative Agent Not On File dialog, from which you can select one of the following options:

Note: The patient's chart will not be updated unless you choose a causative agent that is on file.

   a.   **Yes**: Use this option to request that the causative agent be added for your site. When you click Yes, CPRS displays the Enter Optional Comments dialog, which enables you to type additional comments (optional), such as the signs or symptoms that occurred as a result of contact with this causative agent, or whether you observed these symptoms firsthand. After you type your comments, click **Continue**. CPRS then sends to members of your site's GMRA Request New Reactant mail group a message that includes the following items:

   - The causative agent you attempted to enter
   - The name of the patient for whom you attempted to make this entry
   - Your name, title, and contact information
   - Your comments

   Members of your site's GMRA Request New Reactant mail group will review this message and, if appropriate, request (through NTRT) that the causative agent be added to the national ALLERGIES REACTANT file.

Note: If your site's IRM staff has not yet added members to your site's GMRA Request New Reactant mail group, CPRS displays the message in Figure 10.
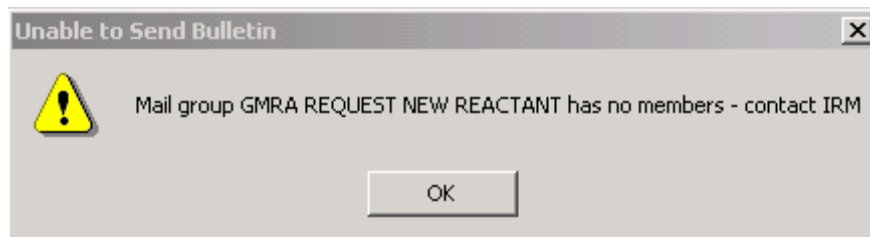
Figure 10. Unable to Send Bulletin Dialog

   b. **No**: Use this option if you want to try an alternate spelling or trade name for your causative agent, or if you want to type another causative agent.

c. **Cancel**: Use this option if you want to cancel your allergy order. See Figure 11.
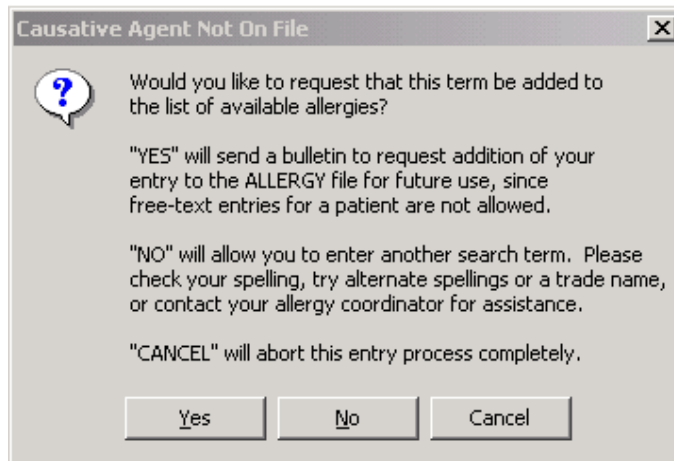
Figure 11. Causative Agent Not On File Dialog

5. If the causative agent you typed matches an agent that is currently available for your site, select the agent. (Click + to expand a heading.)

Note: With CPRS GUI 24 or later, you may not add free-text causative agents. If you select an item under the "Add new free-text allergy" heading, CPRS displays the Causative Agent Not On File dialog. (See Step 4 above.)

6. Click **OK**. The Enter Allergy or Adverse Reaction dialog appears. See Figure 12.
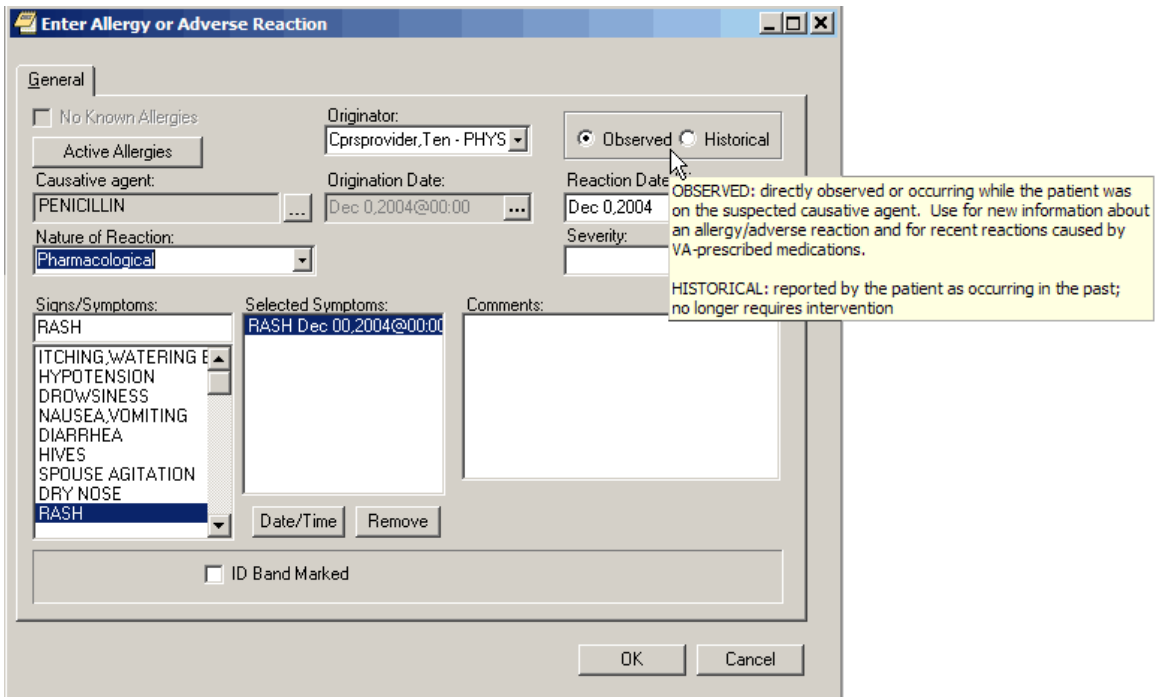
Figure 12. Enter Allergy or Adverse Reaction Dialog

Note: You can view a patient's current allergies or adverse reactions by clicking the Active Allergies button.

7. Using the Originator box, select an originator.

8. Use the Observed or Historical option button to indicate whether the entry is for an observed or historical allergy, respectively. (When you point your mouse at either of these buttons, CPRS displays a hover hint explaining the observed and historical options.)

   Note: CPRS does not allow you to select future dates for allergy/adverse reaction entries.

   Note: When you select Observed for a drug reaction, CPRS generates a Progress Note. Once this note is signed by the user entering the allergy or by an administrative update user, the note will be viewable by all users.

9. Select the Nature of Reaction (Allergy, Pharmacological, or Unknown).

The Nature of Reaction (also known as mechanism)can be Allergy, Pharmacologic, or Unknown. An allergic reaction occurs because the patient is sensitive to a causative agent, regardless of the amount the patient is exposed to. A pharmacologic (non-allergic) reaction occurs when the patient is sensitive to an agent under certain conditions, such as exposure to a large amount. Unknown is provided if you are not sure what mechanism to enter.

   Note: Allergies are a subset of the world of adverse reactions. All allergies are adverse reactions, but not all adverse reactions are allergies.

10. If you are entering an observed or historical allergy, use the Reaction Date/Time and Severity boxes to select a reaction date, time, and severity. See Figure 13. (When the Severity box is visible, CPRS displays a **?** button next to it. If you click this button, CPRS displays text that provides information about available severity selections.)

   Note: CPRS does not allow you to enter future dates for reactions.
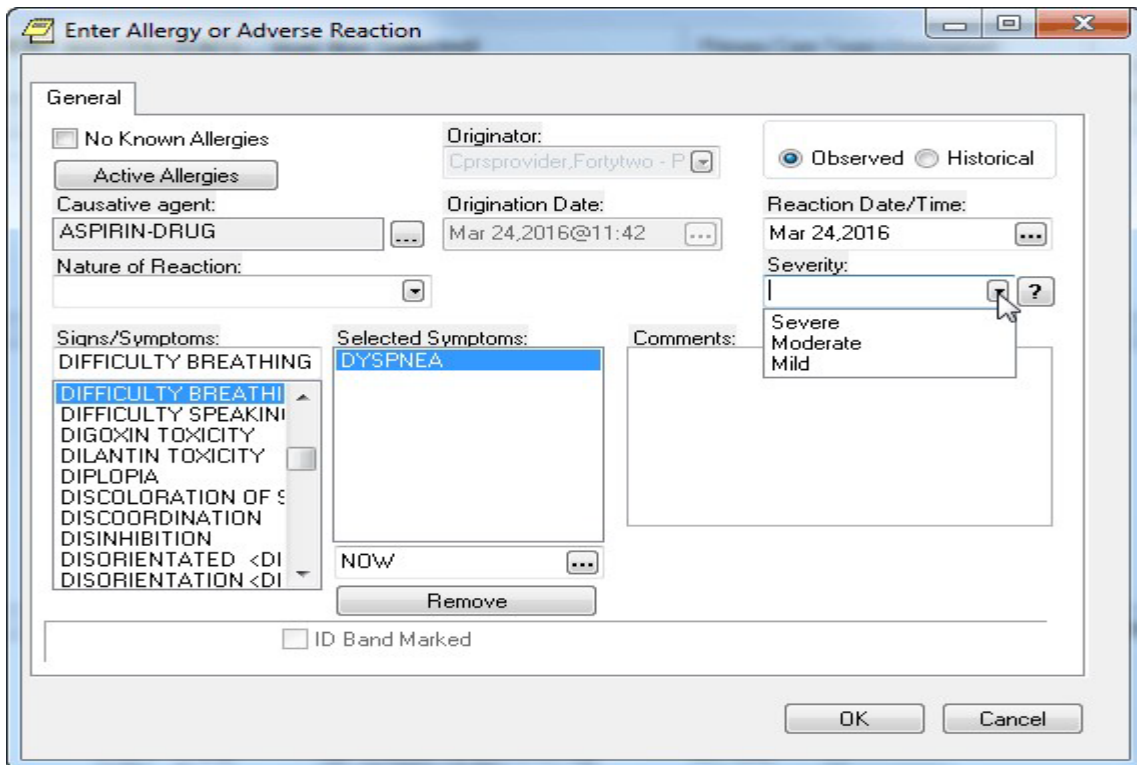
Figure 13. Selecting a Reaction Date/Time and Severity

11. Using the Signs/Symptoms box, select one or more signs or symptoms. The signs and symptoms you select appear in the Selected Symptoms pane.

   Note: You must enter at least one sign/symptom or a comment of at least four characters when documenting a historical allergy/adverse drug reason.

12. To associate a date and time with a symptom (optional), click to select the symptom in the Selected Symptoms pane.

13. Click the Date/Time button located below the Selected Symptoms pane. CPRS displays the Select Date/Time dialog, from which you can select the date and time that the symptom first appeared.
   Note: If you mistakenly entered a sign or symptom but have not yet accepted it by selecting OK, select the symptom in the **Selected Symptoms** pane and click the **Remove** button located beneath the pane.

14. Type comments for the allergy in the Comments box.

15. If you have marked the allergy or adverse reaction on the patient's identification (ID) band (or if you know someone else has), select the ID Band Marked checkbox.

   Note: CPRS activates the ID Band Marked check box only for inpatients and then only if your site's IRM staff has set a parameter indicating your site wants to track this information. Depending on whether your IRM staff has set related parameters, if you do *not* select activated ID Band Marked checkbox, the

system may send a bulletin notifying a mail group that the patient's allergy or adverse reaction is not marked on his or her ID band.

16. Click OK.

   Note: When you click OK, CPRS generates an email bulletin to the GMRA MARK CHART mail group. The bulletin provides a reminder that the patient chart must be updated with the allergy/adverse reaction information displayed in the bulletin message.

17. If the newly entered allergy is related to existing pending and active orders, then the Existing Medication Allergy dialog is displayed for each order discovered:
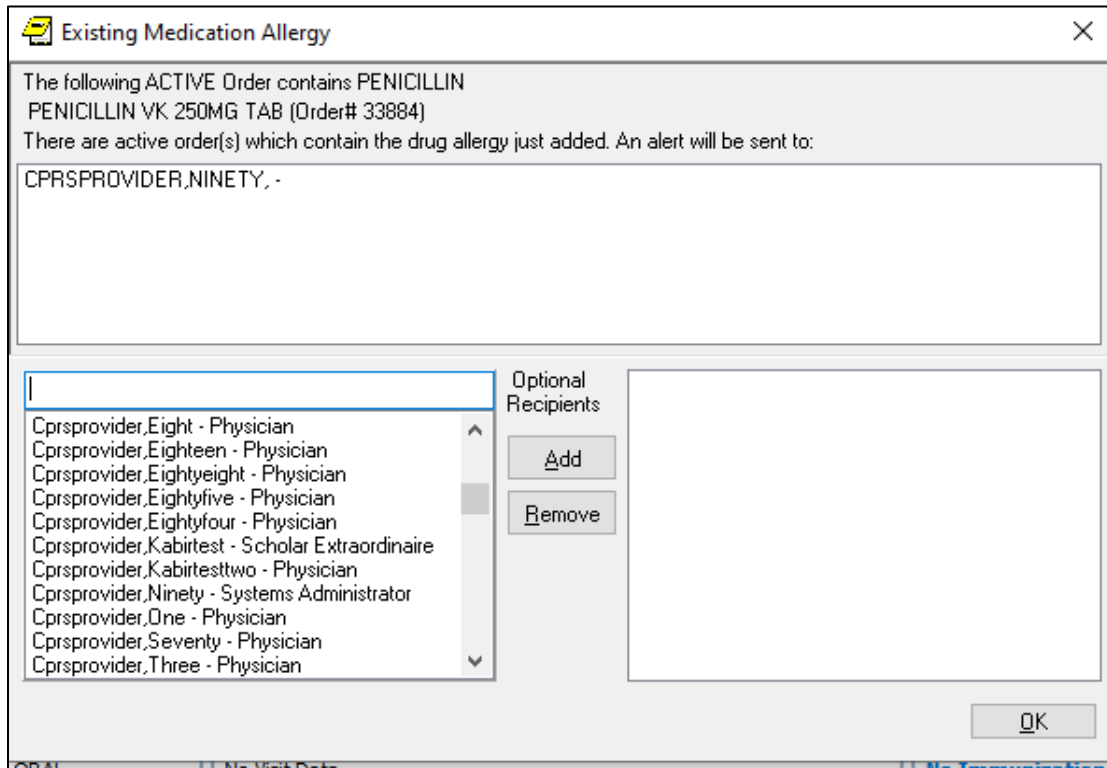
18. An Existing Medication Allergy will result in the NEW ALLERGY ENTERED/ACTIVE MED notification being sent to the default providers defined in the ORB PROVIDER RECIPIENTS parameter. Those providers who are able to receive the notification are displayed.

   Note: If a default provider recipient is unable to receive the notification, they will not be listed.

19. The person entering the new allergy will also be able to select Optional Recipients to receive the NEW ALLERGY ENTERED/ACTIVE MED notification.

Although CPRS does not display allergy-related assessments on the Orders tab, you can also enter an assessment of no known allergies (NKA) from the Orders tab.

Entering No Known Allergies

To enter a no-known allergies assessment from the Orders tab, follow these steps:

1. Click the Orders tab.

2. Select Allergies from the Write Orders pane. The Allergy Reactant Lookup dialog appears.

   Note: Your site may have defined and configured other order menus to include allergy-entry dialogs. Regardless of the allergy-entry menu you select, if you haven't entered encounter information, the Location for Current Activities dialog appears before the Allergy Reactant Lookup dialog appears. You must complete the Location for Current Activities dialog before proceeding.

3. Select the No Known Allergies checkbox in the lower portion of the dialog box.

4. Click OK.

Note: You can also enter a no-known-allergies assessment from the Cover Sheet tab.

Glossary

Term	Meaning
Adverse Reaction	**Any condition precipitated by a drug that requires patient treatment, admission or transfer; prompts a specialty consultation; or causes injury or death. Every allergy is an adverse reaction, but every adverse reaction is not an allergy.**
Adverse Reaction Only	Something that is an adverse reaction but not an allergy.
Adverse Reaction Tracking	The software package that stores and reports the patient allergy or adverse reaction data.
Allergy	A state of hypersensitivity induced by exposure to a certain agent.
Application	A system of computer programs and files that have been specifically developed to meet the requirements of a user or group of users. Examples of VistA applications are the MAS and Nursing modules.
Application Coordinator	The person responsible for implementing a set of computer programs (application package) developed to support a specific functional area such as Nursing, MAS, etc.
ART	(See Adverse Reaction Tracking.)
Causative Agent	The name of the item that caused the patient to have a reaction (e.g., penicillin).
Data Standardization	The VA, in conjunction with DoD, is moving towards a unified Clinical Data Repository/Health Data Repository of computable patient data. Part of the Standards & Terminology Services, the data standardization effort is working to establish standard terminology, with clinical terms being mapped to national terminology.
Date/Time Chart Marked	In ART, this field indicates when the patient's chart has been marked to indicate this allergy or adverse reaction.

Term	Meaning
Date/Time ID Band Marked	In ART, this field indicates when the patient ID band or bracelet has been marked to indicate this allergy or adverse reaction.
Date/Time MD Notified	A field in ART that indicates when the primary physician has been alerted about a patient allergy or adverse reaction.
Dechallenge	Discontinuation/removal of allergen.
GMR Allergies File	A file of allergies/adverse reactions that are used by ART. The file number is 120.82.
GMRA MARK CHART bulletin	This bulletin is generated when providers enter allergies or adverse reactions in the ART package or through the CPRS "Enter Allergy or Adverse Reaction" window, accessed from either the CPRS Orders tab or Cover Sheet.
GMRA MARK CHART mail group	This is the group of people who are charged with the responsibility to see that all data entered into ART gets recorded in the patient's chart.
GMRA VERIFY ALLERGY bulletin	Warning that an allergy or adverse reaction has been signed off (completed) by the originator and that it is ready for the verification process.
GMRA-VERIFY ALLERGY security key	Should be given to all verifiers in ART. Allows a verifier access to the verification process.
Historical	An allergy or adverse reaction that has been stated by some source versus one that has actually been witnessed by some personnel at this facility before initiation of new therapy.
Ingredient file	A file (#50.416) that contains generic drugs that are components of various drug products.
Likelihood	A measure of the probability that an allergy or adverse reaction was the cause of the patient problems indicated by the signs/symptoms. This field is calculated via an

Term	Meaning
	FDA algorithm.
Local Drug File	The list of medications used at a particular VA facility. This file is also sent out by the VistA Pharmacy developers. The file number is 50.
Mechanism	In the context of ART, this is an indicator of whether the data for a patient is an adverse reaction only, or an allergy.
NTRT	New Term Rapid Turnaround. Requests for new terms will be made via the NTRT process. If approved, the new term will be sent to all sites for inclusion in file 120.82 or 120.83.
National Drug File	This file is a list of drug products available, which includes specific information for each product. Information included for the products are trade name, NDC number, manufacturer, VA Drug Class code, dosage form, route of administration, strength and units, ingredients, ingredient strength and units, package code, package size, package type, VA product name and VA generic name.
Observed	An allergy or adverse reaction that has been witnessed by some personnel at this facility or reported by the patient, or his or her caregiver after initiation of a new therapy.
Patient Allergies File	The file where the patient allergy/adverse reaction data is stored in ART. The file number of this file is 120.8.
Rechallenge	Reintroduction of allergen after dechallenge.
Remote Data Interoperability (RDI	The Remote Data Interoperability (RDI) project provides a method of comparing clinical data about a patient received from all VA Medical Centers as well as clinical data from military facilities where active dual consumers are treated.
Severity	This is an index of how the allergy/adverse reaction affected the patient.

Term	Meaning
Sign/Symptom	Something that could be subjectively or objectively measured that indicates an allergy or adverse reaction.
Sign/Symptoms File	A list of signs/symptoms that can be selected for a patient allergy or adverse reaction. The file number is 120.83.
Standards & Terminology Services (STS)	The VA, in conjunction with DoD, is moving towards a unified Clinical Data Repository/Health Data Repository of computable patient data. The Standards & Terminology Services is working to establish standard terminology. Allergies and local clinical terms are being mapped to national terminology.
Top Ten Signs/Symptoms	A site-configurable set of indicators of an allergy or adverse reaction that is used to expedite data entry of these indicators.
Treatment	This is some lab test or drug intervention that was performed as a result of an allergy or adverse reaction.
True Allergy	A reaction triggered by the immune system; however, there are a vast number systems or conditions caused by sensitivities that may or may not involve the immune system. A 'true allergy' COULD require patient treatment, admission or transfer, prompt a specialty consultation, or cause injury or death.
VA Drug Classification System file	A file (#50.605) that contains the VA Drug Classification codes and their descriptions. Each drug product in the National Drug file is assigned a primary code, which is part of the information stored for each drug product in the National Drug file.
Verification	The process of reviewing and approving the data entered by some clinical user. This process is done by a verifier.
Verifier	A person who has the GMRA-VERIFY ALLERGY security key. This person can perform verification of patient data in ART.
VUID	VHA User Identification.

Appendix 1 – CPRS (GUI 25 & 26) Release Notes – ART

PATCH OR*3*233

Support for Allergy Synonyms –Allergy synonyms, if present, are now included in the SIGNS/SYMPTOMS selection box. This is included in patch OR*3*233, which will be distributed with GMRA patch 23.

GUI 26

- The "Bulletin has been sent" message that CPRS displays after the user requests the addition of a new causative agent now includes the same warning included in the bulletin about that reactant not being added to the patient's record.

- **Marking Allergies as Entered in Error Now Controlled by Parameter** - In CPRS v25, any user could enter new allergies, mark a patient as NKA (no known allergies), and mark allergies entered in error from the cover sheet and the detailed display window. In v.26, the Entered in Error option requires the new parameter OR ALLERGY ENTERED IN ERROR to be enabled for the user. The other options remain open to all users as before.

- **Free-Text Signs and Symptoms No Longer Allowed** – To support of data standardization efforts, developers removed the ability to enter free-text signs/symptoms. Users must now select items from the list of available signs/symptoms.

- **Inconsistent Sending of Bulletin for Marked on Chart** – CPRS always sent the "Marked on Chart" bulletin if the user entered an allergy from the Orders tab. CPRS never sent the bulletin if the user entered the allergy from the Cover Sheet. This inconsistency has been corrected, and CPRS will never send the bulletin when the user enters a new allergy.

GUI 25

The following functionality is available only to sites that have installed OR*3.0*195, OR*3.0*216, and GMRA*4.0*21. Sites that have not installed these patches will continue to receive the ART functionality that exists in CPRS GUI 24.

- **Allergies No Longer Entered as Orders (NOIS: SHR-0603-71103)** – At sites that have installed the patches listed above, users can no longer enter allergies and adverse reactions as orders that are placed in the *ORDERS* file. Patch OR*3.0*216 exports a modified order-dialog entry—*GMRAOR ALLERGY*—in the *ORDER DIALOG* file. This entry enables CPRS to interact directly with the Adverse Reaction Tracking (ART) package (i.e., CPRS adds new allergies and adverse reactions directly into the ART package as users submit them.)

With supporting patches OR*3.0*216 and GMRA*4.0*21, CPRS GUI 25 does not display allergy information on the **Orders** tab. It displays allergy information only on the **Cover Sheet** tab. Nevertheless, users can still enter allergy information from the **Orders** tab by selecting **Allergies** in the **Write Orders** pane. (i.e., users can still go to a familiar place to enter allergies.)

In addition, users can no longer select **OTHER ALLERGY/ADVERSE REACTION** as causative agent, nor can they select **OTHER REACTION** as a sign/symptom. Changes to the ART package have eliminated these items as choices. These changes mark a continuing effort to end free-text and unspecific entries.

If 'type of causative agent' references the field ALLERGY TYPE, the GUI interface doesn't allow the user to enter this information. It is determined internally by the selection made during the Reactant lookup process. "OTHER REACTION" is still selectable from the signs/symptoms list; free text entries of signs/symptoms are allowed.

Also, CPRS now requires users to enter information about the nature of the reaction that they are documenting (**Allergy**, **Pharmacological**, or **Unknown**).

Finally, CPRS GUI 24 introduced a dialog through which users can request that a causative agent be added to their site's *ALLERGIES* file. Users access this dialog via a warning that pops up when they attempt to enter a free-text causative agent. The warning dialog asks users to indicate by clicking either its **YES** or **NO** button, if they want to send a causative-agent inclusion request. In CPRS GUI 24, the default button was **YES**. In CPRS GUI 25, the default button is **NO**. Furthermore, when users click the system **X** button (located in the top right-hand corner of each screen) to exit any of the screens that comprise the inclusion-request dialog, CPRS now cancels the request action.

Allergy Changes on the Cover Sheet - CPRS now enables users to perform several ART-related actions from the **Cover Sheet** tab—including the following:

- **Enter new allergy**
- **Mark selected allergy as entered in error**
- **Mark patient as having "No Known Allergies" (NKA)**

When users right-click within the **Allergies/Adverse Reactions** pane, CPRS displays a menu offering the three selections listed in the previous paragraph (or a sub-set, depending on the current Allergy information recorded for the patient). When users left click to select one of the allergies listed within the **Allergies/Adverse Reactions** pane, CPRS opens a window that displays details about this allergy-as it always has. However, this window now includes two additional buttons: **Add New** and **Entered in Error**. As the names of these buttons suggest, clicking them enables users to add new allergies and designate the selected allergy as entered in error, respectively. When users mark allergy entries as entered in error, the ART package notifies (via MailMan bulletins) sites' GMRA MARK CHART mail group.

Depending on how sites have configured their *GMR ALLERGIES SITE PARAMETERS* files, the ART package could also send bulletins to one or more of the following mail groups: GMRA VERIFY DRUG ALLERGY, GMRA VERIFY FOOD ALLERGY, and GMRA VERIFY OTHER ALLERGY. In addition, marking an allergy entry as entered in error triggers the Text Integration Utility (TIU) package to generate an Allergy/Adverse Reaction progress note that is sent to the originator to document the erroneous entry. Whether users enter new allergies via the **Cover Sheet** or **Orders** tab, CPRS displays an **Enter Allergy or Adverse Reaction** dialog, through which users enter adverse reactions and allergies directly into the ART package. This dialog includes several changes, including the following changes:

- CPRS no longer allows users to enter future origination dates or future dates for observed allergies; if users attempt to enter future dates for these items, CPRS prevents them from doing so when they click OK to submit their allergy entries.

- A new button containing a question mark is associated with the Severity dialog; when users select this button, CPRS displays a text box defining severity selections.

- CPRS displays a hover hint when users mouse over the Observed and Historical option buttons; a user group (as opposed to OI staff) specified the text of the hover-hint.

- When the amount of text in the Comments dialog exceeds its viewing area, CPRS adds a scroll bar to the dialog.

- Developers altered the tabbing sequence to more closely match users' expectations.

- When an allergy is marked as "Entered in Error," Drug allergy, this action generates a Progress Note for the user who marked it as "entered in error" to sign. Once the user who marked the allergy as entered in error or an administrative user signs the note, all CPRS users can view the note to know that an allergy has been removed from the list.

- When an allergy is entered as an "Observed, Drug allergy," this action generates a Progress Note for the user who entered the Allergy/Adverse reaction to sign. Once the user who made the entry or an administrative user signs the note, all CPRS users can view the note.

The **Enter Allergy or Adverse Reaction** dialog also contains a new check box: **ID Band Marked**. If the patients are inpatients and the sites have set the MARK ID BAND parameter in the *GMR ALLERGY SITE PARAMETERS* file to **1 (YES)**, users can select this check box to indicate whether they have marked allergies and adverse reactions on the patient's identification (ID) bands.

If users submit an allergy entry without selecting activated **ID Band Marked** check box, the ART package automatically notifies sites' GMRA MARK CHART mail group via a MailMan bulletin. *GMR ALLERGY SITE PARAMETER* file settings also determine to which verification mail groups (GMRA VERIFY DRUG ALLERGY, GMRA VERIFY FOOD ALLERGY, or GMRA VERIFY OTHER ALLERGY) the ART package sends MailMan bulletins when users enter specific combinations of allergy information.

Deleting an Assessment of NKA.

From within the ART package, it is now possible to delete an assessment of NKA.

When you select a patient for entering/editing allergies and that patient doesn't have any active allergies on file, the "Does this patient have any known allergies or adverse reactions?" prompt is presented to you. If the patient has no assessment, there is no default answer. If the patient has been assessed as NKA, the default is NO.

In the case where the default answer is NO (meaning, the patient is NKA), you may enter an @ sign to indicate that the assessment should be deleted and the patient should be returned to the 'not assessed' state. This would be used in those rare cases where an assessment is erroneously assigned to the wrong patient.

Examples:

1) Patient who is currently not assessed:

```
Select PATIENT NAME: ARTPATIENT,ONE          1-20-57    456334567
YES      MILITARY RETIREE       THIS IS A TEST
Does this patient have any known allergies or adverse reactions? :
```

2) Patient who has been assessed as NKA:

```
Select PATIENT NAME: ARTPATIENT,ONE          1-20-57    456334567
YES      MILITARY RETIREE       THIS IS A TEST
Does this patient have any known allergies or adverse reactions? :
No//
```

At this point, if I enter a ?, I see what my choices are:

```
    Choose from:
    1       Yes
    0       No
```

You may also enter @ to delete a previous NKA assessment and return the patient to a 'not assessed' state. Use this if the NKA assessment was previously incorrectly entered.

Does this patient have any known allergies or adverse reactions? : No//

The information regarding the use of the @ will only show if the patient is currently NKA. If they are not, then it doesn't show.

3) Finally, here's what it looks like when you delete the assessment:

```
Select PATIENT NAME: ARTPATIENT,ONE     1-20-57     456334567     YES
MILITARY RETIREE     THIS IS A TEST
Does this patient have any known allergies or adverse reactions? :
No// @
Assessment deleted.
```

Appendix 2 – FAQ re Data Standardization

1. **Can sites continue to enter local allergies after standardization is complete?**

   No. The files have been locked down and local additions for allergies are not permitted. The ability to enter free-text additions to the GMR Allergies file 120.82 was taken away from sites two years ago. Removing the ability to enter free-text additions to the Sign/Symptoms file 120.83 was included in the standardization process. Sites can request additions to the GMR Allergies file 120.82 and to the Sign/Symptoms file 120.83 through the New Term Rapid Turnaround (NTRT) process. Please see the NTRT process section of this document for more information.

2. **What will happen if different sites have different attributes, such as drug ingredients, designated to the same inactive term for entries in GMR Allergies file 120.82? Will the attributes stay the same after standardization at each site?**

   The attributes will stay the same, including drug classes and drug ingredients, for inactive terms after standardization is complete.

3. **What happens to local allergies in GMR Allergy file 120.82 that are currently on file when standardization occurs?**

   If a local allergy on file is in the standard, then the term will remain active, but all of the term attributes (e.g. synonyms, drug classes and drug ingredients) will be overwritten by the standardized file. This standardized term will be available for recording new allergies in the future.

   If a local allergy on file is *not* in the standard, then the term will become inactive, and all term attributes (e.g. synonyms, drug classes and drug ingredients) will remain the same, and the data, if applicable, will be available for order checks. However, this term will not be available for selection when recording new allergies.

4. **Is there a Sign/Symptom term called "other" in the new standard for file 120.83 Sign/Symptoms?**

   No. "Other" does not exist in the list of standardized terms for Sign/Symptoms file 120.83. If there is a term that is not available in the Sign/Symptoms list and it needs to be added, please enter an NTRT request. See the NTRT process section of this document for more information.

5. **What does the allergy "contrast media" look like in the new standard for GMR Allergies file 120.82? Will the new standard also contain the many drug classes associated with this allergy?**

The contrast media allergy is in the standard GMR Allergies file 120.82. In the standard, this allergy also includes the many drug classes that are associated with this entry. We encourage sites to review and ensure that the standard is comprehensive. Compare the drug ingredients and drug classes that have been recorded in your site's file with what is in the standard.

If differences exist between what is in the standard and what is in your file, your site data will be overwritten. Submit an NTRT request if you believe that drug classes, drug ingredients, or synonyms should be included in the standards that are not included. Please see the NTRT process section of this document for more information.

6. **Should a local allergy of "Bufferin" be changed to Aspirin in the GMR Allergies file 120.82?**

No. Sites are not being asked to change local allergies in the GMR Allergies file 120.82.

7. **Will non-standard (inactivated) terms continue to be used for order checking? How?**

Yes. Although inactivated terms are not available for new documentation, those that have been stored in patients' records will continue to be used for order checking. The internal entry numbers (IENs) of the inactivated terms have been preserved, and it is the IENs that are needed for order checking.

8. **What is the workaround for a site, if the item that the patient is allergic to is not found in the standard GMR Allergies file 120.82 and the terms needs to be entered as an NTRT request? How does the end user document that a patient is allergic to an item that is not in the standard?**

The ability to enter free-text allergies in GMR Allergies file 120.82 was taken away from sites two years ago. Please continue to use your site-developed processes to handle this documentation.

Currently, there is a message or pop-up box telling an end user in CPRS that the allergy term they are searching for was not found, but that they can request that it be added (Figure 14). However, this message box is not available if a Sign/Symptom is not available. What is the desired work-around for a site to request that a Sign/Symptom term be added, since they will not have the instructions from this pop-up box?
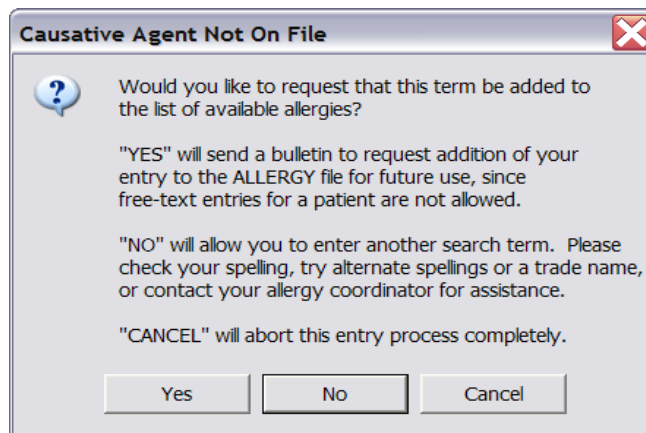
Figure 14. Causative Agent Not On File Dialog

Sites may wish to handle these additions in the same manner as when requesting a new reactant, or they may wish to handle it differently. We recommend that sites communicate to the end users their desired work-around for handling these requests for additions of Sign/Symptoms.

End users are encouraged to update the patient record with the Sign/Symptom term when it becomes available in the standard. End users can enter free text Sign/Symptoms until CPRS GUI v26 is installed. However, these additions of free text Sign/Symptoms prior to CPRS GUI v26 release are highly discouraged.

9. **What are sites being asked to do regarding the Top 10 List for Sign/Symptoms?**

After standardization, the Top 10 List for Sign/Symptoms file #120.83 may have inactive terms. The GMRA REQUEST NEW REACTANT mail group will be notified of inactive Top 10 terms at your site after the VETS push has occurred. Sites are being asked to replace inactivated terms with standard terms as soon as possible, to prevent end users from viewing empty space in the GUI. If the inactivated terms are not replaced by active terms in the standard, the end user will need to click on the scrollbar for the Sign/Symptoms. This will cause the empty space to be auto-adjusted and the gap will no longer display in the GUI. CPRS GUI v26 will fix this so that there is no blank space.

It is possible to receive an email indicating that there are terms on the top ten list that need to be updated, but those terms do not appear when using the option to edit the terms. Some sites actually have more than 10 terms stored in the top 10 list but only the first 10 show to the user. If one of the additional terms is now inactivated, it will be included in the update message although you won't actually see it in the list.

If the e-mail update message contains terms that do not appear to be on your Top 10 list, you may ignore those terms. This problem will be fixed in a future patch.

To change inactive entries:

1. Use the Menu Option GMRA SITE FILE. The parameter is HOSPITAL.

2. Enter the number of the Sign/Symptoms that you need to change.

10. Why are sites getting e-mail messages about order checks to the GMRA mail group as the patch is being loaded and post routines are being run from this GMRA*4*23 patch?

Receipt of these messages is a result of the updates that are occurring to the Patient Allergy file 120.8 when GMR Allergies file 120.82 is standardized. Any time a file 120.82 entry has a change of drug classes or drug ingredients, and a patient has a previous allergy recorded to this entry, then the new drug classes or drug ingredients will be propagated to the Patient Allergy file 120.8. The purpose of the message is to inform the Allergy Clinical Application Coordinator of the possibility of a missed order check based on the updated allergy information. Order checks only occur when the order is placed, which means that updated allergy information is not compared against existing orders. During the update, the new allergy information is compared against the patient's active orders to determine if there are any possible drug-allergy conflicts based on the new information. There is a slight possibility of a false-positive report but each entry should be reviewed for a possible drug-allergy interaction.

11. What is the name of the mail group that will receive the e-mail notifications regarding order checks, as mentioned in the previous question?

The GMRA Request New Reactant mail group will receive these order check notifications through e-mail.

12. How can we record that a patient has No Known Allergies (NKA), when this term is not included in the standard for GMR Allergies file 120.82 and will be inactivated for future selection?

Enter no-known-allergies (NKA) assessments for patients who have no active allergies by taking the following steps in the CPRS GUI from the Coversheet:

1. Right-click within the Allergies/Adverse Reactions pane.

2. From this menu, select "Mark patient as having No Known Allergies (NKA)." CPRS displays the No Known Allergies dialog.

Note: CPRS will allow you to record a patient as having No Known Allergies (NKA) only for patients who have no active allergies. When patients have active allergies, CPRS deactivates this menu selection.

3. Click OK.

13. Can we continue to record allergies and No Known Allergies (NKA) from the Write Orders menu in the CPRS GUI?

Yes. You can continue to record new patient allergies or NKA from the Write Orders menu, or on other site-configured menus on the Orders tab in the CPRS GUI.

14. How do we record that the patient has an "unknown reaction," since this term is not included in the Sign/Symptoms file 120.83 for selection when recording a patient allergy reaction?

In CPRS GUI v25 you can still enter free-text Sign/Symptoms. This option has been disabled in List Manager. In the GUI, you must press <Enter> after you type the free-text Sign/Symptom. It is also possible to leave the Sign/Symptoms field blank, and make a note in the Comment field that the Sign/Symptom is unknown. Typing free-text Sign/Symptoms will not be possible with CPRS GUI v26. This FAQ will be updated when more information is available.

15. Will sites need to continue to update the Top 10 list of Sign/Symptoms when each NTRT push occurs?

Yes. If the new NTRT push inactivates entries on the Top 10 list of Sign/Symptoms, then an e-mail message will be sent to the "GMRA Request New Reactant" mail group. The message will list which terms have been inactivated and remind sites to use the menu option GMRA SITE FILE to correct these entries.

Details of what was contained in the NTRT push can be learned from the Automated Notification Report (ANR) message that will be sent, or from the NTRT Web site at REDACTED under "NTRT Deployment Log"). The content list for a push will give you an idea about alternative terms that would be appropriate replacements for inactivated terms. If you are not currently receiving the ANR messages, please log a Remedy ticket to be added to the distribution of these messages.

If the e-mail update message contains terms that do not appear to be on your Top 10 list, you may ignore those terms. A problem has been identified where some sites have more than ten entries in their Top 10 list. This problem will be fixed in a future patch.

16. **What is an example of a Top 10 List term that may need to be replaced due to an NTRT push?**

The Enterprise Reference Terminologists are currently going through the standard for file 120.83 Sign/Symptoms and changing the primary terms to more user- or clinician-friendly terms. For example, in the most current update, some terms such as "Aptyalism," "Face Goes Red," and "Cutaneous Eruption" are being made inactive as primary terms, but are being added as synonyms to other primary terms. See question six in the NTRT section of this document for additional information.

In the Top 10 list, you may need to update the Top 10 list to display the updated active terms.

Example:

INACTIVATE as Primary term (Added as Synonym)	ACTIVATE as Primary term
Aptyalism	Dry Mouth
Face Goes Red	Flushing
Cutaneous Eruption	Rash

REDACTED

VA Enterprise Terminology Services (VETS) Push and Deployment Questions

1. **How long will it take for a large integrated site to complete the cross-referencing of all the files after the initial VETS push or deployment has occurred, for the Allergy/Outpatient Pharmacy domain?**

   It is estimated to take three hours. This is approximately the amount of time it took a large integrated test site to complete this process.

2. **What happens to an end user who is entering an allergy on a patient when the VETS push or deployment occurs?**

   There are not any effects visible to the end user who is entering in allergies while a VETS push or deployment is occurring.

3. **Has this software been tested in production and the impact assessed for the use of Bar Coding Medication Administration (BCMA) and passing medications during the VETS push or deployment?**

   Yes. The three test sites reported that there were no reports of any adverse impacts to BCMA. Also, the software quality assurance testing included BCMA testing by the pharmacy team.

4. **When will the VETS pushes or deployments occur?**

   The VETS pushes or deployments will be scheduled with the sites, most likely on a regular schedule to be determined. The deployments or pushes will be coordinated with the site, the HDR Implementation Manager, and the ERT team. The site will be notified prior to a VETS push.

5. **Do sites need to have staff on site when the VETS push or deployment occurs?**

   No. Site Staff do not need to be present when the VETS deployment or push occurs.

6. **Is the VETS push or deployment equivalent to a patch load?**

   No, a push is not the same as a patch load. The VETS push or deployment is the final step in the standardization of the files after patches are loaded. These pushes or deployments will also continue as new terms are requested from the field. The pushes are HL7 messages that are sent through the interface engine to VistA.

7. **Is the VETS push or deployment a site-initiated process?**

   No, it is not. However, the site will be contacted prior to the VETS push or deployment.

8. **Is it true that sites are not to update or change the resource slots associated with the GMRA UPDATE Resource device?**

   Yes. The slot is set to one and needs to stay at one. It is very important that sites not change the number of slots for this resource device. If the resource device does not stay at one, then NTRT pushes may be processed inaccurately and may potentially corrupt Allergy files. If sites have changed this, they need to set it back to one. Then sites will need to work with the ERT team for a redeployment of the push. ERT is looking at ways to control the order in which updates are done in the future. However, in the meantime sites need to be aware of this potential issue and to monitor the GMRA UPDATE Resource device to ensure it stays set at one slot.

REDACTED

New Term Rapid Turnaround (NTRT) Process Questions

9. **How fast will the NTRT request be granted? Are weekends taken into consideration?**

   At this time, NTRT requests will be deployed nationally every Thursday. The cutoff date for inclusion of a term in the Thursday deployment is COB the Friday

before the scheduled deployment. Over the next 7 months, this timeframe may be adjusted. Any changes to the frequency of NTRT deployments will be communicated to sites and support personnel.

10. **If there are a large number of New Term Rapid Turnaround (NTRT) requests at a site, is it necessary to enter each request separately?**

    If sites have a large number of NTRT requests that need to be submitted, your HDR Implementation Manager can help you get these entries to the ERT team without having to enter all of the requests into the NTRT website.

11. **If there is a local term that is a synonym of a national standard term, then is an NTRT request needed for that local term?**

    No. The local term will not need to be added to the standard. If there is a compelling case for why it should be added, then that can be forwarded on as an NTRT request.

    Consider the following example:

Local Term	New Standard Term	Add to standard?
Garbanzo beans	Chickpeas Synonym: Garbanzo beans	No. Synonyms are available for searching terms in CPRS.

12. **If a new drug ingredient is needed, do we go through the NTRT process or will these still be handled through National Drug File (NDF) updates?**

    New drug ingredients will need to be added through the NDF process.

13. **How has the issue related to Sulfa allergy documentation and order checking in VistA been resolved?**

    A generic Sulfa entry in the GMR Allergy file (120.82) has been deployed nationally. Standardization identified the need for consistent screening for Sulfa-containing drugs. The Data Standardization and Enterprise Reference Terminology teams have worked with the National Drug File manager to determine which drugs need to be linked to the new generic sulfa entry in the GMR Allergy file 120.82. Order check screening for Sulfa allergies works consistently and completely on all VistA systems.

14. **Concerns have been raised about user-friendly terms and equivalents in the Sign/Symptoms file 120.83 from some sites. What is being done to resolve these concerns?**

    A review of the Sign/Symptoms file 120.83 has been completed. This file was reviewed by a group comprised of clinicians from the field as well as terminologists and other key stakeholders.

Concerns have been raised from sites regarding clinical terms that are not user friendly. For example "cutaneous eruption" is the primary term in the standard and "Rash" is a synonym. Primary terms are stored in the patient record and on the patient arm band. Clinicians would like to see Rash become the primary term and cutaneous eruption the synonym. A complete review of the standard was conducted to identify other terms that may also benefit from a similar change.

Concerns have been raised that some terms in the standard are not equivalent and should not remain as synonyms to the primary term. For example, "Congestion of the Throat" is not the same as "Swelling of the Throat" and should be fixed in the standard. Other non-equivalent synonyms were identified and are associated with two separate terms when applicable.

15. **How are sites being notified that NTRT additions are being made to the standardized files for Allergies?**

An Automated Notification Report (ANR) is sent out through the National Help Desk by e-mail messages that alert sites about the changes that are being made to the Sign/Symptom file 120.83 and the GMR Allergies file 120.82. If you are not currently receiving these ANR messages and would like to in the future, please submit a Remedy ticket and you can be added to the distribution list for future information.

The information about the changes being made by NTRT can also be viewed on the NTRT Web site, under "NTRT Deployment Log." Those interested can also join the NTRT listserv which provides the same information as the ANR messages, along with the potential for supplementary information. Join by going to REDACTED and clicking the link in the middle of the screen called "NTRT Notification Listserv."

16. Why didn't I receive an order check mail message when NTRT updates were made to the GMR Allergies file 120.82 for an entry that contained drug class and drug ingredient information?

The order check mail messages only fire for patients who meet the following conditions:

- Not deceased

- Not test patients

- File 120.82 entry not marked Entered in Error

- Matching allergy entry selected from File 120.82 is not a free text entry

- The patient has an active order that does not have an order check already logged against it that should have one based on the updated allergy information.

To learn more about Enterprise Reference Terminology (ERT)/ Enterprise Terminology Services (ETS)/ or VA Enterprise Terminology Services please click [Redacted].

[Redacted]

Site Clean-up Questions

17. After allergy standardization, what is the impact to a site that has many free-text patient allergies that need to be cleaned up?

Sites will be able to continue cleaning up the free-text patient allergy entries after Allergy/Outpatient Pharmacy standardization is complete. The patches will not affect this clean-up effort. After standardization, there will be a more comprehensive list of allergies for your site to use for cleaning up free-text patient allergy entries.

New terms should not be added to GMR Allergies file 120.82 prior to standardization in order to map a free text patient allergy. The GMRA*4*23 patch locked down this file so sites can no longer add terms through the roll-and-scroll interface. Sites should clean up the patient allergy file 120.8 prior to standardization with what is currently available. Once standardization is complete, more terms will be available in the GMR Allergies file 120.82 to correct the remaining free text patient allergies.

An automated clean-up patch is being written to help sites in the free-text patient allergy clean-up effort. This patch will be released sometime after the standardization patches. The content required for this patch is currently being reviewed. Sites have been asked to clean up free-text entries that have a low number of occurrences. Free-text patient allergies that occur one or two times in

the clean-up utility should be cleaned up first. Also, free-text patient allergies that have multiple allergies on one line (e.g. "Aspirin, Penicillin, chocolate") should be cleaned up by recording each allergy separately for that patient.

The automated clean-up patch will help sites clean up free-text patient allergy entries, but not all data can be cleaned up in an automated fashion. Patient allergy data that has clinical relevance will be left as free text and will need to be cleaned up by the site.

18. **What is the impact of Outpatient Pharmacy standardization to sites if they have not finished linking local drugs to the National Drug File (NDF)?**

Sites can continue to clean-up the local drug file or file 50 mapping to the National Drug File (NDF) after standardization. The data in the local drug file needs to be mapped so that order checks work optimally.

Health Data Repository (HDR) Questions

19. **What happens in the Health Data Repository (HDR) when one site has entered an allergy for Penicillin and another site has entered Penicillin as "entered in error"?**

Allergies that are entered in error at one site will not overwrite the allergies recorded at another site. The HDR will err on the side of safety. The HDR will store both pieces of information: the patient allergy record and the "entered in error" record.

20. **In regard to the question above, will one site be notified that another site has entered an allergy in error?**

At this time, there is not a mechanism to do this. Site-to-site notification will not be done until a national process is put in place that determines when a site's allergy record can be overruled. The clinician should get the information via Remote Data Views (RDV) and work with the patient to make sure the record is correct.

21. **Where do we go for technical information about turning on the VDEF triggers? Is that something HDR Implementation Managers will help with?**

Yes. The HDR Implementation Mangers will be in contact with sites when it is time to turn on the VDEF triggers. They will communicate the necessary technical steps at that time.

22. **In the CPRS GUI, the end user now sees that a light is blue on the HDR section of Remote Data Views (RDVs). Why is this there?**

HDR data can now be seen in RDV. Vitals data has been standardized and it is being sent to the HDR. This blue text means that the patient has vital sign data

stored in the HDR. With the release of CPRS GUI v. 26, end users will be able to view data from the HDR.

This may be confusing to some end users, because some patients will only have vital sign data available at the local site and the light will not be blue. VistaWeb is also impacted, but the new version of VistaWeb that should be available at the end of August will be able to retrieve the HDR data.

[Redacted]

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