

# Adverse Reaction Tracking

The package name is changed from Allergy Tracking System to Adverse Reaction Tracking.

## **Installation Changes/Updates**

- The package name in the PACKAGE file (#9.4) is changed with this version from GEN. MED. REC. - ALLERGIES to ADVERSE REACTION TRACKING. The SHORT DESCRIPTION (#2) and DESCRIPTION (#3) fields are also updated.
- The ANKA cross reference which is no longer needed is deleted.
- The NO KNOWN ALLERGIES field (#.03) in the Patient Allergies file (#120.8) is deleted.
- The records which represent whether a patient has been asked about allergies (NKA nodes) are moved from the Patient Allergies file (#120.8) to the Adverse Reaction Assessment file (#120.86).
- The set of codes of the COMMENT TYPE sub-field (#1.5), of the COMMENTS multiple (#26), of the Patient Allergies file (#120.8) are converted from old values to new values.
- The following mail groups are built if they do not already exist:
  - 1) GMRA MARK CHART
  - 2) GMRA VERIFY DRUG ALLERGY
  - 3) GMRA VERIFY FOOD ALLERGY
  - 4) GMRA VERIFY OTHER ALLERGY
  - 5) GMRA P&T COMMITTEE FDA
- The ALLERGY/ADVERSE REACTION entry value in the GENERIC PROGRESS NOTE TITLE file (#121.2) is changed to ADVERSE REACTION/ALLERGY.
- The site's file level security codes for Files #120.8-120.87 are changed. See the Security chapter in the technical manual for security information.

## **Enter/Edit Patient Reaction Data**

- The prompt "Was this allergy entered in error?" was changed to "Is the reaction information correct? YES//".
- The prompt "DOES THIS PATIENT HAVE ANY KNOWN ALLERGIES?" was changed to read "DOES THIS PATIENT HAVE ANY KNOWN ALLERGIES OR ADVERSE REACTIONS?".
- The Mechanism field for Historical data can be edited. The expert panel decided to let verifiers edit this field during data entry. For all other users, a bulletin is sent to the verifiers for each historical entry added. Also, a new Mechanism called UNKNOWN was added. UNKNOWN will be stuffed into the Mechanism field for all auto verified data.
- An extra prompt was added that asks users if they wish to add another causative agent after one is added/edited using the Enter/Edit Patient Reaction Data [GMRA PATIENT A/AR EDIT] option. The prompt is worded "Enter another Causative Agent? YES//".
- Causative agents can now have multiple types.
- A reason that a reaction was entered in error can be entered.
- Dates for Signs/Symptoms for Observed reactions are required. Dates for Signs/Symptoms for Historical reactions are not required but may be entered by the user.
- The functionality of the Enter/Edit Patient Reaction Data [GMRA PATIENT A/AR EDIT] option is enhanced to allow users to edit verified data, edit observed reaction data and correct erroneous data. The following options are no longer needed and are deleted during the installation process:
  - 1) Edit Verified Allergy Data [GMRA DATA EDIT]
  - 2) Edit Observed Reaction Data [GMRA OBS EDIT]
  - 3) Correct Erroneous Data [GMRA ENTER A/AR IN ERROR]
- The following event points were linked to an Application Programming Interface (API):
  - 1) Sign off on patient reaction data,
  - 2) Verification of existing patient data,
  - 3) Reaction data was entered in error, and
  - 4) Pharmacy and Therapeutics (P&T) Committee sends a MEDWatch form.

Other DHCP packages may wish to know when a particular event has occurred in ART in order to perform a task in their respective package. Those packages can subscribe to a task list, called a protocol, that is linked to the event. When that event happens, the protocol is invoked and the tasks are performed. For example, the Dietetics package may wish to know if a patient's reaction was entered in error in order to update their database.

- The Observed date/time prompt was modified to make it more user friendly.
- A new prompt , SIG, was added to the FDA reports section that asks the user for the frequency of the suspected agent.

### **Verification**

- Users can now verify data that has been autoverified.
- The Observed/Historical field can now be edited during and after verification of reaction data.
- Verifiers can now verify data using the Enter/Edit Patient Reaction Data [GMRA PATIENT A/AR EDIT] option.

### **ID Band/Chart Mark**

- The marking of a patient's ID band and chart can now be tracked.
- A programming interface was modified to allow other packages to update the ID Band/Chart fields.

### **Food and Drug Administration (FDA) Reporting**

- Adverse Drug Reactions (ADR) are now tracked by date reported.
- A new report, List FDA Data by Report Date [GMRA PRINT ART TRACKING REPORT] displays ADRs by the date reported.
- A bulletin to the P&T committee to review the MEDWatch data is generated each time the signs/symptoms are modified for a patient reaction.

## **Reports/Outputs**

- A new report, List by Location and Date All Signed Reactions [GMRA PRINT SIGN BY LOC/DATE], prints patient allergy information by location, date/time range, and by type of allergy (Food/Drug/Other).
- A new report, List by Location Not Verified Reactions [GMRA PRINT A/AR NV], displays all unverified ADR data. This report is sorted by date/time entered and by ward. The report, Location Not Verified Reaction (Task) [GMRA TASK A/AR NV], is recommended to be tasked for daily running.
- Reports were modified to include dates for signs/symptoms.
- The reason an ADR was entered in error is displayed on appropriate reports.
- The provider and room-bed were added to the report List by Location of Undocumented Allergies [GMRA PRINT-PATIENTS NOT ASKED].
- The Print Patient Reaction Data [GMRA PRINT-COMPLETE LISTING] report now contains observer comments, the observer, and the observer's title.
- All reports can be stopped by the user.
- Summary reports for ADR events were added:
  - 1) List of Fatal Reactions over a Date Range [GMRA PRINT LIST FATAL REACTION],
  - 2) Print Summary of Outcomes [GMRA PRINT SUM OF OUTCOME],
  - 3) Frequency Distribution of Causative Agents [GMRA PRINT FREQUENCY REACTION],
  - 4) Frequency Distribution of Drug Classes [GMRA PRINT FREQUENCY DR CL],
  - 5) Reported Reactions over a Date Range [GMRA PRINT REPORTED REACTIONS],
  - 6) P&T Committee ADR Outcome Report [GMRA PRINT ADR OUTCOME], and
  - 7) P&T Committee ADR Report [GMRA PRINT ADR REPORT].

## **Progress Notes Interface**

- The package can generate progress notes for:
  - 1) Sign off of observed data by clinicians/verifiers,
  - 2) Manual data verification,

- 3) Action taken on MEDWatch data, and
  - 4) Data entered in error.
- The Progress Notes interface now displays all information at the time of the event and editing of note is allowed prior to sign off.

### **Site Configurations**

- A new site parameter permits the user to indicate why a reaction has been entered in error.
- A new site parameter disables the sending of a chart mark bulletin for new admissions.
- Two new print options make it easier for the Application Coordinator (ADPAC) and/or IRM support personnel to list the available allergies and signs/symptoms contained in the database.

### **Bulletins & Alerts**

- The alerts were modified so that they are not informational, but allow the user to correct whatever generated the alert.
- The patient's ID was added to all bulletins that have the patient's name.
- Observed/Historical and Signs/Symptoms were added to ART verifier bulletins.
- Whenever data is entered in error, bulletins are sent to the following groups showing patient name, ID, location, comments, and the originator:
  - 1) The verifiers mail group receives a warning.
  - 2) The Mark Chart/ID Band mail group receives a message that states that chart & ID band data needs correction.

### **Online Reference Card**

In previous versions, a pocket size reference card was printed and distributed by the St. Louis Continuing Education Center. In this version, the reference card is now "online" and available on the ART User, Clinician and Verifier menus.

Department of Veterans Affairs  
Decentralized Hospital Computer Program

# **ADVERSE REACTION TRACKING**

## **RELEASE NOTES**

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