INPATIENT MEDICATIONS

PHARMACIST'S USER MANUAL

Version 5.0
January 2005

(Revised October 2007)

Department of Veterans Affairs
VistA Health Systems Design and Development

Revision History

Each time this manual is updated, the Title Page lists the new revised date and this page describes the changes. If the Revised Pages column lists "All," replace the existing manual with the reissued manual. If the Revised Pages column lists individual entries (e.g., 25, 32), either update the existing manual with the Change Pages Document or print the entire new manual.

Date	Revised Pages	Patch Number	Description
10/2007	iii, 124 a-d	PSJ*5*175	Modified outpatient header text for display of duplicate orders.
			Added new functionality to Duplicate Drug and Duplicate Class Order Check definitions.
			(R. Singer, PM; E. Phelps/C. Varney, Tech Writer)
	5, 17-18, 27-28, 30-34, 37-38, 65-68, 76-80, 83-84, 119-120, 123-124, 149-150, 195-196, 209-210	PSJ*5*160	Modifications for remote allergies, to ensure all allergies are included when doing order checks using VA Drug Class; Analgesic order checks match against specific class only; check for remote data interoperability performed when entering patient's chart; and list of remote allergies added to Patient Information screen.
07/2007	79a-79b, 86a-86b, 92a-92b	PSJ*5*145	On 24-Hour, 7-Day, and 14-Day MAR Reports, added prompt to include Clinic Orders when printing by Ward or Ward Group. Also added prompt to include Ward Orders when printing by Clinic or Clinic Group.
			(R. Singer, PM; E. Phelps, Tech. Writer)
05/2007	25	PSJ*5*120	Modified Inpatient Medications V. 5.0 to consider the duration the same way as all other stop date parameters, rather than as an override.
			(R. Singer, PM, E. Phelps, Tech. Writer)
12/2005	1, 124-124b	PSJ*5*146	Remote Data Interoperability (RDI) Project:
			Removed document revision dates in Section 1. Introduction.
			Updated Section 4.3. Order Checks to include new functionality for checking allergies, drug reactions, and interactions.
			(E. Williamson, PM; M. Newman, Tech. Writer)

Date	Revised Pages	Patch Number	Description
03/2005	iv-v,1, 114-116, 223, 236-241	PSJ*5*112	Updated TOC to correct Index page number. (p. iv)
			In Unit Dose Menu Tree, changed Clinic Stop Dates to Clinic Definition. (p. v)
			In Section 1., Introduction, updated revision dates and added reference to Release Notes. (p. 1)
			In Sections 4.2.5.1., 4.2.5.3., and 4.2.5.3., added a sentence that refers to the IMO parameter NUMBER OF DAYS UNTIL STOP from the CLINIC DEFINITION file. (p.114-116)
			Updated Glossary; added definition for CLINIC DEFINITION File. (p. 223)
			Updated Index; added CLINIC DEFINITION file and Inpatient Medication Orders for Outpatients page number references; reflowed all following Index pages. (p. 236-241)
			(S. Templeton, PM, R. Singer, PM, M. Newman, Tech. Writer)
01/2005	All	PSJ*5*111	Reissued entire document to include updates for Inpatient Medication Orders for Outpatients and Non-Standard Schedules.
			(S. Templeton, PM, R. Singer, PM, M. Newman, Tech. Writer)

Table of Contents

Since the documentation is arranged in a topic oriented format and the screen options are not, a menu tree is provided below for the newer users who may need help finding the explanations to the options.

	Unit Dose Menu Tree	**Topic-Oriented Section**
	Align Labels (Unit Dose)	Output Options
	Clinic Definition	Maintenance Options
	Discontinue All of a Patient's Orders	Order Options
EUP	Edit Inpatient User Parameters	Maintenance Options
ESD	Edit Patient's Default Stop Date	Maintenance Options
	Hold All of a Patient's Orders	Order Options
IOE	Inpatient Order Entry	Order Options
IPF	Inpatient Profile	Order Options
	INQuiries Menu ...	
	Dispense Drug Look-Up	Inquiries Options
	Standard Schedules	Inquiries Options
	Label Print/Reprint	Output Options
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	Order Entry	Order Options
	PAtient Profile (Unit Dose)	Output Options
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	ENter Units Dispensed	Pick List Menu
	EXtra Units Dispensed	Pick List Menu
	PIck List	Pick List Menu
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IV Menu Tree		**Topic Oriented Section**
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IOE	Inpatient Order Entry	Order Options
IPF	Inpatient Profile	Order Options
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	Suspense List (IV)	Output Options
	Update Daily Ward List (IV)	Production Options
	Ward List (IV)	Production Options

(This page included for two-sided copying.)

3. List Manager

The new screen, which was designed using List Manager, has dramatically changed from the previous release.

This new screen will give the user:

- More pertinent information

- Easier accessibility to vital reports and areas of a patient's chart the user may wish to see.

Please take the time to read over the explanation of the screen and the actions that can now be executed at the touch of a button. This type of preparation before using List Manager is effective in saving time and effort.

Inpatient List Manager

Screen Title   **CWAD* Indicator**

```
Patient Information           Sep 15, 2000 11:32:08        Page:    1 of    1
PSJPATIENT2,TWO                    Ward: 1 West                        <A>
   PID: 000-00-0002           Room-Bed: A-6       Ht(cm): 167.64 (04/21/99)
   DOB: 02/22/42 (58)                             Wt(kg): 85.00 (04/21/99)
   Sex: MALE                                     Admitted: 09/16/99
    Dx: TEST PATIENT                       Last transferred: ********

Allergies - Verified: CARAMEL, CN900, LOMEFLOXACIN, PENTAMIDINE, PENTAZOCINE,
                        CHOCOLATE, NUTS, STRAWBERRIES, DUST
         Non-Verified: AMOXICILLIN, AMPICILLIN, TAPE, FISH,
                        FLUPHENAZINE DECANOATE
               Remote:
    Adverse Reactions:
  Inpatient Narrative: Inpatient narrative for PSJPATIENT2
 Outpatient Narrative: This patient doesn't like waiting at the pickup window.
He gets very angry.

----------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//
```

Header Area

List Area (scrolling region)

Message Window

Action Area

* Crises, Warnings, Allergies, and Directives (CWAD)

Screen Title: The screen title changes according to what type of information List Manager is displaying (e.g., Patient Information, Non-Verified Order, Inpatient Order Entry, etc).

CWAD Indicator: This indicator will display when the crises, warnings, allergies, and directives information has been entered for the patient. (This information is entered via the Text Integration Utilities (TIU) package.) When the patient has Allergy/ADR data defined, an "<A>" is displayed to the right of the ward location to alert the user of the existence of this information.

> **Note:** This data may be displayed using the Detailed Allergy/ADR List action). Crises, warnings, and directives are displayed respectively, "<C>","<W>","<D>". This data may be displayed using the CWAD hidden action). Any combination of the four indicators can display.

Header Area: The header area is a "fixed" (non-scrollable) area that displays the patient's demographic information. This also includes information about the patient's current admission. The status and type of order are displayed in the top left corner of the heading, and will include the priority (if defined) for pending orders.

List Area: (scrolling region): This is the section that will scroll (like the previous version) and display the information that an action can be taken on. The Allergies/Reactions line includes non-verified and verified Allergy/ADR information as defined in the Allergy package. The allergy data is sorted by type (DRUG, OTHER, FOOD). If no data is found for a category, the heading for that category is not displayed. The Inpatient and Outpatient Narrative lines may be used by the inpatient pharmacy staff to display information specific to the current admission for the patient.

Message Window: This section displays a plus sign (+), if the list is longer than one screen, and informational text (e.g., Enter ?? for more actions). If the plus sign is entered at the action prompt, List Manager will "jump" forward to the next screen. The plus sign is only a valid action if it is displayed in the message window.

Action Area: The list of valid actions available to the user display in this area of the screen. If a double question mark (??) is entered at the "Select Action:" prompt, a "hidden" list of additional actions that are available will be displayed.

4.1.3 Inpatient Order Entry
[PSJ OE]

The *Inpatient Order Entry* option allows the pharmacist to create, edit, renew, hold, and discontinue Unit Dose and IV orders, as well as put existing IV orders on call for any patient, while remaining in the Unit Dose Medications module.

When the user accesses the *Inpatient Order Entry* option from the Unit Dose Medications module for the first time within a session, a prompt is displayed to select the IV room in which to enter orders. When only one active IV room exists, the system will automatically select that IV room. The user is then given the label and report devices defined for the IV room chosen. If no devices have been defined, the user will be given the opportunity to choose them. If this option is exited and then re-entered within the same session, the current label and report devices are shown. The following example shows the option re-entered during the same session.

Example: Inpatient Order Entry

```
Select Unit Dose Medications Option: IOE  Inpatient Order Entry

You are signed on under the BIRMINGHAM ISC IV ROOM

Current IV LABEL device is: NT TELNET TERMINAL

Current IV REPORT device is: NT TELNET TERMINAL

Select PATIENT: PSJPATIENT1
```

At the "Select PATIENT:" prompt, the user can enter the patient's name or enter the first letter of the patient's last name and the last four digits of the patient's social security number (e.g., P0001). The Patient Information Screen is displayed:

Example: Patient Information Screen

```
Patient Information          Sep 12, 2000 10:36:38        Page:    1 of    1
PSJPATIENT1,ONE                  Ward: 1 EAST
   PID: 000-00-0001        Room-Bed: B-12        Ht(cm): _____ (_____)
   DOB: 08/18/20 (80)                            Wt(kg): _____ (_____)
   Sex: MALE                                   Admitted: 05/03/00
    Dx: TESTING                         Last transferred: ********
_____
Allergies/Reactions: No Allergy Assessment
Remote:
Adverse Reactions:
Inpatient Narrative: INP NARR...
Outpatient Narrative:




          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//
```

The pharmacist can now enter a Patient Action at the "Select Action: View Profile//" prompt in the Action Area of the screen.

4.1.4. Patient Actions

The Patient Actions are the actions available in the Action Area of the List Manager Screen. These actions pertain to the patient information and include editing, viewing, and new order entry.

4.1.4.1. Patient Record Update

The Patient Record Update action allows editing of the Inpatient Narrative and the Patient's Default Stop Date and Time for Unit Dose Order entry.

Example: Patient Record Update

```
Patient Information           Sep 12, 2000 14:39:07         Page:    1 of    1
PSJPATIENT1,ONE                    Ward: 1 EAST
   PID: 000-00-0001          Room-Bed: B-12        Ht(cm): _____ (_____)
   DOB: 08/18/20 (80)                              Wt(kg): _____ (_____)
   Sex: MALE                                     Admitted: 05/03/00
    Dx: TESTING                          Last transferred: ********

Allergies/Reactions: No Allergy Assessment
Remote:
Adverse Reactions:
Inpatient Narrative: INP NARR …
Outpatient Narrative:




          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// PU
INPATIENT NARRATIVE: INP NARR...// Narrative for Patient PSJPATIENT1
UD DEFAULT STOP DATE/TIME: SEP 21,2000@24:00//
```

The "INPATIENT NARRATIVE: INP NARR...//" prompt allows the pharmacist to enter information in a free text format, up to 250 characters.

The "UD DEFAULT STOP DATE/TIME:" prompt is the date and time entry to be used as the default value for the STOP DATE/TIME of the Unit Dose orders during order entry and renewal processes. This value is used only if the corresponding ward parameter is enabled. The order entry and renewal processes will sometimes change this date and time.

Note: If the Unit Dose order, being finished by the pharmacist, is received from CPRS and has a duration assigned, the UD DEFAULT STOP DATE/TIME is displayed as the Calc Stop Date/Time.

When the SAME STOP DATE ON ALL ORDERS parameter is set to Yes, the module will assign the same default stop date for each patient. This date is initially set when the first order is entered for the patient, and can change when an order for the patient is renewed. This date is shown as the default value for the stop date of each of the orders entered for the patient.

Example: New Order Entry

```
Patient Information          Feb 14, 2001 10:21:33        Page:    1 of    1
PSJPATIENT1,ONE                   Ward: 1 EAST
   PID: 000-00-0001         Room-Bed:            Ht(cm): _____ (_____)
   DOB: 08/18/20 (80)                            Wt(kg): _____ (_____)
   Sex: MALE                               Admitted: 11/07/00
    Dx: TEST                         Last transferred: ********
 Allergies/Reactions: No Allergy Assessment
 Remote:
 Adverse Reactions:
 Inpatient Narrative: Narrative for Patient PSJPATIENT1
 Outpatient Narrative:



          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// NO   New Order Entry

Select DRUG: POT
    1    POTASSIUM CHLORIDE 10 mEq U/D TABLET          TN403
    2    POTASSIUM CHLORIDE 10% 16 OZ        TN403    N/F       BT
    3    POTASSIUM CHLORIDE 20% 16 OZ        TN403    N/F
    4    POTASSIUM CHLORIDE 20MEQ PKT        TN403         UNIT DOSE   INPAT
    5    POTASSIUM CHLORIDE 2MEQ/ML INJ 20ML VIAL         TN403     N/F
Press <RETURN> to see more, '^' to exit this list, OR
CHOOSE 1-5: 1 POTASSIUM CHLORIDE 10 mEq U/D TABLET          TN403
    1.    10
    2.    20
DOSAGE ORDERED (IN MEQ): 1

You entered 10MEQ is this correct? Yes//  <Enter> YES
MED ROUTE: ORAL// <Enter>  PO
SCHEDULE TYPE: CONTINUOUS//  <Enter> CONTINUOUS
SCHEDULE: BID      08-16
ADMIN TIMES: 08-16// <Enter>
SPECIAL INSTRUCTIONS: <Enter>
START DATE/TIME: FEB 14,2001@16:00//  <Enter> FEB 14,2001@16:00
STOP DATE/TIME: FEB 23,2001@24:00//   <Enter> FEB 23,2001@24:00
PROVIDER: PSJPROVIDER,ONE//   <Enter>
```

-----------------------------------report continues-----------------------------------

Example: New Order Entry (continued)

```
NON-VERIFIED UNIT DOSE        Feb 14, 2001 10:23:37        Page:    1 of    2
PSJPATIENT1,ONE                    Ward: 1 EAST
   PID: 000-00-0001            Room-Bed:           Ht(cm): _____  (_____)
   DOB: 08/18/20 (80)                              Wt(kg): _____  (_____)

  (1)Orderable Item: POTASSIUM CHLORIDE TAB,SA
        Instructions:
  (2)Dosage Ordered: 10MEQ
          Duration:                          (3)Start: 02/14/01  16:00
   (4)     Med Route: ORAL
                                             (5) Stop: 02/23/01  24:00
  (6) Schedule Type: CONTINUOUS
   (8)       Schedule: BID
   (9)    Admin Times: 08-16
  (10)        Provider: PSJPROVIDER,ONE [w]
  (11) Special Instructions:

  (12) Dispense Drug                          U/D        Inactive Date
      POTASSIUM CHLORIDE 10 mEq U/D TABLET          1
+        Enter ?? for more actions
ED   Edit                         AC   ACCEPT
Select Item(s): Next Screen// AC   ACCEPT
NATURE OF ORDER: WRITTEN// <Enter>

...transcribing this non-verified order....


NON-VERIFIED UNIT DOSE        Feb 14, 2001 10:24:52        Page:    1 of    2
PSJPATIENT1,ONE                    Ward: 1 EAST
   PID: 000-00-0001            Room-Bed:           Ht(cm): _____  (_____)
   DOB: 08/18/20 (80)                              Wt(kg): _____  (_____)

 *(1)Orderable Item: POTASSIUM CHLORIDE TAB,SA
        Instructions:
 *(2)Dosage Ordered: 10MEQ
          Duration:                          (3)Start: 02/14/01  16:00
 *(4)     Med Route: ORAL
                                             (5) Stop: 02/23/01  24:00
  (6) Schedule Type: CONTINUOUS
 *(8)       Schedule: BID
  (9)    Admin Times: 08-16
*(10)        Provider: PSJPROVIDER,ONE [w]
  (11) Special Instructions:

  (12) Dispense Drug                          U/D        Inactive Date
POTASSIUM CHLORIDE 10 mEq U/D TABLET              1
+        Enter ?? for more actions
DC  Discontinue        ED  Edit           AL  Activity Logs
HD  (Hold)             RN  (Renew)
FL  Flag               VF  Verify
Select Item(s): Next Screen// VF   Verify
...a few moments, please.....

Pre-Exchange DOSES: <Enter>

ORDER VERIFIED.

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

4.1.4.3. Detailed Allergy/ADR List

The Detailed Allergy/ADR List action displays a detailed listing of the selected item from the patient's Allergy/ADR List. Entry to the *Edit Allergy/ADR Data* option is provided with this list also.

- **Enter/Edit Allergy/ADR Data**

  Provides access to the Adverse Reaction Tracking (ART) package to allow entry and/or edit of allergy adverse reaction data for the patient. See the Allergy package documentation for more information on Allergy/ADR processing.

- **Select Allergy**

  Allows the user to view a specific allergy.

4.1.4.4. Intervention Menu

This option is only available to those users who hold the PSJ RPHARM key.

The Intervention Menu action allows entry of new interventions and existing interventions to be edited, deleted, viewed, or printed. Each kind of intervention will be discussed and an example will follow.

- **New**: This option is used to add an entry into the APSP INTERVENTION file.

Example: New Intervention

```
Patient Information          Sep 22, 2000 08:03:07        Page:   1 of   1
PSJPATIENT2,TWO                    Ward: 1 West                      <A>
   PID: 000-00-0002          Room-Bed: A-6        Ht(cm): 167.64 (04/21/99)
   DOB: 02/22/42 (58)                             Wt(kg): 85.00 (04/21/99)
   Sex: MALE                                      Admitted: 09/16/99
    Dx: TEST PATIENT                    Last transferred: ********
Allergies - Verified: CARAMEL, CN900, LOMEFLOXACIN, PENTAMIDINE, PENTAZOCINE,
                      CHOCOLATE, NUTS, STRAWBERRIES, DUST
         Non-Verified: AMOXICILLIN, AMPICILLIN, TAPE, FISH,
                      FLUPHENAZINE DECANOATE
              Remote:
   Adverse Reactions:
 Inpatient Narrative: Inpatient narrative
Outpatient Narrative: This is the Outpatient Narrative. This patient doesn't
like waiting at the pickup window. He gets very angry.

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// IN   Intervention Menu


                   --- Pharmacy Intervention Menu ---

NE   Enter Pharmacy Intervention      DEL  Delete Pharmacy Intervention
ED   Edit Pharmacy Intervention       VW   View Pharmacy Intervention
PRT  Print Pharmacy Intervention

Select Item(s): NE   Enter Pharmacy Intervention
Select APSP INTERVENTION INTERVENTION DATE: T   SEP 22, 2000
  Are you adding 'SEP 22, 2000' as a new APSP INTERVENTION (the 155TH)? No// Y
 (Yes)
   APSP INTERVENTION PATIENT: PSJPATIENT2,TWO   02-22-42    000000002    N
SC VETERAN
   APSP INTERVENTION DRUG: WAR
   1    WARFARIN 10MG            BL100          TAB
   2    WARFARIN 10MG U/D           BL100          TAB **AUTO STOP 2D**
   3    WARFARIN 2.5MG           BL100          TAB
   4    WARFARIN 2.5MG U/D          BL100          TAB  **AUTO STOP 2D**
   5    WARFARIN 2MG             BL100          TAB
Press <RETURN> to see more, '^' to exit this list, OR
CHOOSE 1-5: 1  WARFARIN 10MG         BL100          TAB
PROVIDER:   PSJPROVIDER,ONE     PROV
INSTITUTED BY: PHARMACY// <Enter>  PHARMACY
INTERVENTION:    ALLERGY
RECOMMENDATION:    NO CHANGE
WAS PROVIDER CONTACTED: N  NO
RECOMMENDATION ACCEPTED: Y  YES
REASON FOR INTERVENTION:
  1>
ACTION TAKEN:
  1>
CLINICAL IMPACT:
  1>
FINANCIAL IMPACT:
  1>
Select Item(s):
```

- **Edit**: This option is used to edit an existing entry in the APSP INTERVENTION file.

Example: Edit an Intervention

```
Patient Information          Sep 22, 2000 08:03:07        Page:   1 of   1
PSJPATIENT2,TWO                    Ward: 1 West                    <A>
   PID: 000-00-0002            Room-Bed: A-6        Ht(cm): 167.64 (04/21/99)
   DOB: 02/22/42 (58)                               Wt(kg): 85.00 (04/21/99)
   Sex: MALE                                       Admitted: 09/16/99
    Dx: TEST PATIENT                          Last transferred: ********
```
```
Allergies - Verified: CARAMEL, CN900, LOMEFLOXACIN, PENTAMIDINE, PENTAZOCINE,
                        CHOCOLATE, NUTS, STRAWBERRIES, DUST
         Non-Verified: AMOXICILLIN, AMPICILLIN, TAPE, FISH,
                        FLUPHENAZINE DECANOATE
              Remote:
   Adverse Reactions:
  Inpatient Narrative: Inpatient narrative
Outpatient Narrative: This is the Outpatient Narrative. This patient doesn't
like waiting at the pickup window. He gets very angry.



           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// IN   Intervention Menu

                    --- Pharmacy Intervention Menu ---

NE   Enter Pharmacy Intervention       DEL  Delete Pharmacy Intervention
ED   Edit Pharmacy Intervention        VW   View Pharmacy Intervention
PRT  Print Pharmacy Intervention
Select Item(s): ED   Edit Pharmacy Intervention
Select INTERVENTION:T   SEP 22, 2000      PSJPATIENT2,TWO  WARFARIN 10MG
INTERVENTION DATE: SEP 22,2000// <Enter>
PATIENT: PSJPATIENT2,TWO// <Enter>
PROVIDER: PSJPROVIDER,ONE // <Enter>
PHARMACIST: PSJPHARMACIST,ONE // <Enter>
DRUG: WARFARIN 10MG// <Enter>
INSTITUTED BY: PHARMACY// <Enter>
INTERVENTION: ALLERGY// <Enter>
OTHER FOR INTERVENTION:
  1>
RECOMMENDATION: NO CHANGE// <Enter>
OTHER FOR RECOMMENDATION:
  1>
WAS PROVIDER CONTACTED: NO// <Enter>
PROVIDER CONTACTED:
RECOMMENDATION ACCEPTED: YES// <Enter>
AGREE WITH PROVIDER: <Enter>
REASON FOR INTERVENTION:
  1>
ACTION TAKEN:
  1>
CLINICAL IMPACT:
  1>
FINANCIAL IMPACT:
  1>
```

- **Delete:** This option is used to delete an entry from the APSP INTERVENTION file. The pharmacist may only delete an entry that was entered on the same day.

Example: Delete an Intervention

```
Patient Information          Sep 22, 2000 08:03:07        Page:   1 of    1
PSJPATIENT2,TWO                  Ward: 1 West                            <A>
  PID: 000-00-0002          Room-Bed: A-6        Ht(cm): 167.64 (04/21/99)
  DOB: 02/22/42 (58)                             Wt(kg): 85.00 (04/21/99)
  Sex: MALE                                    Admitted: 09/16/99
   Dx: TEST PATIENT                     Last transferred: ********

Allergies - Verified: CARAMEL, CN900, LOMEFLOXACIN, PENTAMIDINE, PENTAZOCINE,
                      CHOCOLATE, NUTS, STRAWBERRIES, DUST
       Non-Verified: AMOXICILLIN, AMPICILLIN, TAPE, FISH,
                      FLUPHENAZINE DECANOATE
             Remote:
  Adverse Reactions:
 Inpatient Narrative: Inpatient narrative
Outpatient Narrative: This is the Outpatient Narrative. This patient doesn't
like waiting at the pickup window. He gets very angry.


          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// IN    Intervention Menu

                   --- Pharmacy Intervention Menu ---

NE   Enter Pharmacy Intervention       DEL  Delete Pharmacy Intervention
ED   Edit Pharmacy Intervention        VW   View Pharmacy Intervention
PRT  Print Pharmacy Intervention
Select Item(s): DEL   Delete Pharmacy Intervention
You may only delete entries entered on the current day.

Select APSP INTERVENTION INTERVENTION DATE: T   SEP 22, 2000       PSJPATIENT2,TWO
   WARFARIN 10MG
SURE YOU WANT TO DELETE THE ENTIRE ENTRY? YES
```

- **View**: This option is used to display Pharmacy Interventions in a captioned format.

Example: View an Intervention

```
Patient Information          Sep 22, 2000 08:03:07      Page:   1 of   1
PSJPATIENT2,TWO                  Ward: 1 West                        <A>
   PID: 000-00-0002          Room-Bed: A-6        Ht(cm): 167.64 (04/21/99)
   DOB: 02/22/42 (58)                             Wt(kg): 85.00 (04/21/99)
   Sex: MALE                                     Admitted: 09/16/99
    Dx: TEST PATIENT                       Last transferred: ********
─────────────────────────────────────────────────────────────────────────
Allergies - Verified: CARAMEL, CN900, LOMEFLOXACIN, PENTAMIDINE, PENTAZOCINE,
                      CHOCOLATE, NUTS, STRAWBERRIES, DUST
         Non-Verified: AMOXICILLIN, AMPICILLIN, TAPE, FISH,
                       FLUPHENAZINE DECANOATE
              Remote:
    Adverse Reactions:
  Inpatient Narrative: Inpatient narrative
 Outpatient Narrative: This is the Outpatient Narrative. This patient doesn't
like waiting at the pickup window. He gets very angry.


          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// IN   Intervention Menu

                    --- Pharmacy Intervention Menu ---

NE   Enter Pharmacy Intervention      DEL  Delete Pharmacy Intervention
ED   Edit Pharmacy Intervention       VW   View Pharmacy Intervention
PRT  Print Pharmacy Intervention
Select Item(s): VW   View Pharmacy Intervention
Select APSP INTERVENTION INTERVENTION DATE: T   SEP 22, 2000      PSJPATIENT2,TWO
   WARFARIN 10MG
ANOTHER ONE: <Enter>
INTERVENTION DATE: SEP 22, 2000          PATIENT: PSJPATIENT2,TWO
  PROVIDER: PSJPROVIDER,ONE              PHARMACIST: PSJPHARMACIST,ONE
  DRUG: WARFARIN 10MG                    INSTITUTED BY: PHARMACY
  INTERVENTION: ALLERGY                  RECOMMENDATION: NO CHANGE
  WAS PROVIDER CONTACTED: NO             RECOMMENDATION ACCEPTED: YES
```

- **Print**: This option is used to obtain a captioned printout of Pharmacy Interventions for a certain date range. It will print out on normal width paper and can be queued to print at a later time.

Example: Print an Intervention

```
Patient Information            Sep 22, 2000 08:03:07        Page:   1 of   1
PSJPATIENT2,TWO                    Ward: 1 West               <A>
   PID: 000-00-0002            Room-Bed: A-6        Ht(cm): 167.64 (04/21/99)
   DOB: 02/22/42 (58)                              Wt(kg): 85.00 (04/21/99)
   Sex: MALE                                      Admitted: 09/16/99
    Dx: TEST PATIENT                       Last transferred: ********
--------------------------------------------------------------------------------
Allergies - Verified: CARAMEL, CN900, LOMEFLOXACIN, PENTAMIDINE, PENTAZOCINE,
                      CHOCOLATE, NUTS, STRAWBERRIES, DUST
          Non-Verified: AMOXICILLIN, AMPICILLIN, TAPE, FISH,
                      FLUPHENAZINE DECANOATE
            Remote:
   Adverse Reactions:
 Inpatient Narrative: Inpatient narrative
Outpatient Narrative: This is the Outpatient Narrative. This patient doesn't
like waiting at the pickup window. He gets very angry.


          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// IN   Intervention Menu

                    --- Pharmacy Intervention Menu ---

NE   Enter Pharmacy Intervention       DEL  Delete Pharmacy Intervention
ED   Edit Pharmacy Intervention        VW   View Pharmacy Intervention
PRT  Print Pharmacy Intervention
Select Item(s): PRT   Print Pharmacy Intervention
  * Previous selection: INTERVENTION DATE equals 7/2/96
  START WITH INTERVENTION DATE: FIRST// T  (SEP 22, 2000)
  GO TO INTERVENTION DATE: LAST// T  (SEP 22, 2000)
DEVICE: <Enter> NT/Cache virtual TELNET terminal   Right Margin: 80//
PHARMACY INTERVENTION LISTING                 SEP 22,2000  09:20    PAGE 1
--------------------------------------------------------------------------------



INTERVENTION: ALLERGY

INTERVENTION DATE: SEP 22,2000        PATIENT:  PSJPATIENT2,TWO
PROVIDER: PSJPROVIDER,ONE             PHARMACIST:  PSJPHARMACIST,ONE
DRUG: WARFARIN 10MG                   INSTITUTED BY:  PHARMACY
RECOMMENDATION: NO CHANGE
WAS PROVIDER CONTACTED: NO            RECOMMENDATION ACCEPTED:   YES
PROVIDER CONTACTED:
                                      ---------------------------
SUBTOTAL                                           1
SUBCOUNT                              1
                                      ---------------------------
TOTAL                                              1
COUNT                                1
```

Example: Active Complex Order in Profile View

```
Inpatient Order Entry        Mar 07, 2004@15:00:05      Page:    1 of    1
PSJPATIENT1,ONE                   Ward: 1 EAST
   PID: 000-00-0001           Room-Bed: B-12        Ht(cm): _____ (_____)
   DOB: 08/18/20 (81)                               Wt(kg): _____ (_____)
   Sex: MALE                                     Admitted: 03/03/04
    Dx: TESTING                           Last transferred: ********
- - - - - - - - - - - - - - - - A C T I V E - - - - - - - - - - - - - - - - - - -
  1     CAPTOPRIL TAB                          C  03/26  03/27  A
           Give: 25MG PO QDAILY
  2     CAPTOPRIL TAB                          C  03/28  03/29  A
           Give: 50MG PO BID
  3     CAPTOPRIL TAB                          C  03/30  03/31  A
           Give: 100MG PO TID



          Enter ?? for more actions
PI  Patient Information              SO   Select Order
PU  Patient Record Update           NO   New Order Entry
Select Action: Next Screen//
```

4.1.4.6. Patient Information

The Patient Information screen is displayed for the selected patient. This header contains the patient's demographic data, while the list area contains the Allergy/Adverse Reaction data, and Pharmacy Narratives. If an outpatient is selected, all future appointments in clinics that allow Inpatient Medications unit dose orders will display in the list area, too.

Example: Patient Information

```
Patient Information          Sep 13, 2000 15:04:31      Page:    1 of    1
PSJPATIENT1,ONE                   Ward: 1 EAST
   PID: 000-00-0001           Room-Bed: B-12        Ht(cm): _____ (_____)
   DOB: 08/18/20 (80)                               Wt(kg): _____ (_____)
   Sex: MALE                                     Admitted: 05/03/00
    Dx: TESTING                           Last transferred: ********
Allergies/Reactions: No Allergy Assessment
Remote:
Adverse Reactions:
Inpatient Narrative: Narrative for Patient PSJPATIENT1
Outpatient Narrative:




          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//
```

Example: Patient Information Screen for Outpatient Receiving Inpatient Medications

```
Patient Information           May 12, 2003 14:27:13        Page:    1 of    1
PSJPATIENT3,THREE             Last Ward: 1 West
   PID: 000-00-0003    Last Room-Bed:          Ht(cm): _____ (_____)
   DOB: 02/01/55 (48)                          Wt(kg): _____ (_____)
   Sex: FEMALE                           Last Admitted: 01/13/98
    Dx: TESTING                             Discharged: 01/13/98
_____
Allergies/Reactions: No Allergy Assessment
Remote:
Adverse Reactions:
Inpatient Narrative:
Outpatient Narrative:

Clinic:               Date/Time of Appointment:
Clinic A              May 23, 2003/9:00 am
Flu Time Clinic       October 6, 2003/10:00 am
         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//
```

4.1.4.7.   Select Order

The Select Order action is used to take action on a previously entered order by selecting it from
the profile, after the patient is selected and length of profile is chosen.

Example: Selecting and Displaying an Order

```
Inpatient Order Entry         Mar 07, 2002@13:10:28        Page:    1 of    1
PSJPATIENT1,ONE                   Ward: 1 EAST
   PID: 000-00-0001           Room-Bed: B-12       Ht(cm): _____ (_____)
   DOB: 08/18/20 (81)                              Wt(kg): _____ (_____)
   Sex: MALE                                 Admitted: 05/03/00
    Dx: TESTING                       Last transferred: ********
_____
 - - - - - - - - - - - - - - - A C T I V E - - - - - - - - - - - - - - - - -
  1 d->in 5% DEXTROSE 50 ML 125 ml/hr         C  03/06  03/06  E
  2     ASPIRIN CAP,ORAL                       C  03/07  03/08  A
        Give: 325MG PO QID
  3     CEPHAPIRIN 1 GM                        C  03/04  03/09  A
     in DEXTROSE 5% IN N. SALINE 1000 ML QID
 - - - - - - - - - - - - - - - P E N D I N G - - - - - - - - - - - - - - - -
  4     in DEXTROSE 10% 1000 ML 125 ml/hr     ?  *****  *****  P




        Enter ?? for more actions
PI   Patient Information            SO   Select Order
PU   Patient Record Update          NO   New Order Entry
Select Action: Quit// 2
```

--------------------------------------**report continues**---

Example: Patient Information

```
Patient Information         Sep 11, 2000 16:09:05        Page:    1 of    1
PSJPATIENT1,ONE                    Ward: 1 EAST
   PID: 000-00-0001         Room-Bed: B-12        Ht(cm): _____ (_____)
   DOB: 08/18/20 (80)                             Wt(kg): _____ (_____)
   Sex: MALE                                     Admitted: 05/03/00
    Dx: TESTING                           Last transferred: ********
_____
Allergies/Reactions: No Allergy Assessment
Remote:
Adverse Reactions:
Inpatient Narrative: INP NARR...
Outpatient Narrative:




          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//
```

The pharmacist can now enter a Patient Action at the "Select Action: View Profile//" prompt in the Action Area of the screen.

4.2.2. Inpatient Order Entry
[PSJ OE]

The *Inpatient Order Entry* option allows the pharmacist to complete, create, edit, renew, and discontinue IV and Unit Dose orders, as well as put existing IV and Unit Dose orders on hold for any patient, while remaining in the IV module. The IV orders can also be put on call. This option expedites order entry since the pharmacist is not required to change modules to enter IV and Unit Dose orders.

When the user accesses the *Inpatient Order Entry* option for the first time within a session, a prompt is displayed to select the IV room in which to enter orders. When only one active IV room exists, the system will automatically select that IV room. The user is then given the label and report devices defined for the IV room chosen. If no devices have been defined, the user will be given the opportunity to choose them. If this option is exited and then re-entered within the same session, the current label and report devices are shown. The following example shows the option re-entered during the same session.

Example: Inpatient Order Entry

```
Select IV MENU Option: IOE  Inpatient Order Entry

You are signed on under the BIRMINGHAM ISC IV ROOM

Current IV LABEL device is: NT TELNET TERMINAL

Current IV REPORT device is: NT TELNET TERMINAL

Select PATIENT: PSJPATIENT1,ONE
```

At the "Select PATIENT:" prompt, the user can enter the patient's name or enter the first letter of the patient's last name and the last four digits of the patient's social security number (e.g., P0001). The Patient Information Screen is displayed:

Example: Patient Information

```
Patient Information          Sep 12, 2000 10:36:38        Page:   1 of   1
PSJPATIENT1,ONE                   Ward: 1 EAST
    PID: 000-00-0001         Room-Bed: B-12        Ht(cm): _____  (_____)
    DOB: 08/18/20 (80)                             Wt(kg): _____  (_____)
    Sex: MALE                                    Admitted: 05/03/00
     Dx: TESTING                         Last transferred: ********
_____
Allergies/Reactions: No Allergy Assessment
Remote:
Adverse Reactions:
Inpatient Narrative: INP NARR...
Outpatient Narrative:




          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//
```

The pharmacist can now enter a Patient Action at the "Select Action: View Profile//" prompt in the Action Area of the screen.

4.2.3. Patient Actions

The Patient Actions are the actions available in the Action Area of the List Manager Screen. These actions pertain to the patient information and include editing, viewing, and new order entry.

4.2.3.1. Patient Record Update

The Patient Record Update action allows editing of the Inpatient Narrative and the Patient's Default Stop Date and Time for Unit Dose Order entry.

Example: Patient Record Update

```
Patient Information           Sep 12, 2000 14:39:07         Page:    1 of    1
PSJPATIENT1,ONE                    Ward: 1 EAST
   PID: 000-00-0001           Room-Bed: B-12        Ht(cm): _____ (_____)
   DOB: 08/18/20 (80)                               Wt(kg): _____ (_____)
   Sex: MALE                                       Admitted: 05/03/00
    Dx: TESTING                             Last transferred: ********
───────────────────────────────────────────────────────────────────────────
Allergies/Reactions: No Allergy Assessment
Remote:
Adverse Reactions:
Inpatient Narrative: INP NARR …
Outpatient Narrative:




          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// PU
INPATIENT NARRATIVE: INP NARR...// Narrative for Patient PSJPATIENT1
UD DEFAULT STOP DATE/TIME: SEP 21,2000@24:00//
```

The "INPATIENT NARRATIVE: INP NARR...//" prompt allows the pharmacist to enter information in a free text format, up to 250 characters.

The "UD DEFAULT STOP DATE/TIME:" prompt accepts the date and time entry to be used as the default value for the STOP DATE/TIME of the Unit Dose orders during order entry and renewal processes. This value is used only if the corresponding ward parameter is enabled. The order entry and renewal processes will sometimes change this date and time.

Note: If the Unit Dose order, being finished by the pharmacist, is received from CPRS and has a duration assigned, the UD DEFAULT STOP DATE/TIME is displayed as the Calc Stop Date/Time.

When the SAME STOP DATE ON ALL ORDERS parameter is set to Yes, the module will assign the same default stop date for each patient. This date is initially set when the first order is entered for the patient, and can change when an order for the patient is renewed. This date is shown as the default value for the stop date of each of the orders entered for the patient.

Note: If this parameter is not enabled, the user can still edit a patient's default stop date. Unless the parameter is enabled, the default stop date will not be seen or used by the module.

Examples of Valid Dates and Times:

- JAN 20 1957 or 20 JAN 57 or 1/20/57 or 012057
- T   (for TODAY), T+1 (for TOMORROW), T+2, T+7, etc.
- T-1 (for YESTERDAY), T-3W (for 3 WEEKS AGO), etc.
- If the year is omitted, the computer uses CURRENT YEAR. Two-digit year assumes no more than 20 years in the future, or 80 years in the past.
- If only the time is entered, the current date is assumed.
- Follow the date with a time, such as JAN 20@10, T@10AM, 10:30, etc.
- The pharmacist may enter a time, such as NOON, MIDNIGHT, or NOW.
- The pharmacist may enter   NOW+3' (for current date and time Plus 3 minutes *Note--the Apostrophe following the number of minutes)
- Time is REQUIRED in this response.

4.2.3.2. New Order Entry

The New Order Entry action, from the *Inpatient Order Entry* option, allows the pharmacist to enter new Unit Dose and IV orders for the patient. Only one user is able to enter new orders on a selected patient due to the patient lock within the VistA applications. This minimizes the chance of duplicate orders.

For IV order entry, the pharmacist must bypass the "Select DRUG:" prompt (by pressing **<Enter>**) and then choosing the IV Type at the "Select IV TYPE:" prompt. The following are the prompts that the pharmacist can expect to encounter while entering a new IV order for the patient.

- **"Select IV TYPE:"**
These types include admixture, piggyback, hyperal, syringe, or chemotherapy. An admixture is a Large Volume Parenteral (LVP) solution intended for continuous parenteral infusion. A piggyback is a small volume parenteral solution used for intermittent infusion. Hyperalimentation (hyperal) is long-term feeding of a protein-carbohydrate solution. A syringe type order is a type of IV that uses a syringe rather than a bottle or a bag. Chemotherapy is the treatment and prevention of cancer with chemical agents.

- **"Select ADDTIVE:"**
There can be any number of additives for an order, including zero. An additive or additive synonym can be entered. If the Information Resources Management Service (IRMS) Chief/Site Manager or Application Coordinator has defined it in the IV ADDITIVES file, the pharmacist may enter a quick code for an additive. The quick code allows the user to pre-define certain fields, thus speeding up the order entry process. The **entire** quick code name must be entered to receive all pre-defined fields in the order.

4.2.3.3.   Detailed Allergy/ADR List

The Detailed Allergy/ADR List action displays a detailed listing of the selected item from the patient's Allergy/ADR List. Entry to the *Edit Allergy/ADR Data* option is provided with this list also.

- **Enter/Edit Allergy/ADR Data**
  Provides access to the Adverse Reaction Tracking (ART) package to allow entry and/or edit of allergy adverse reaction data for the patient. See the Allergy package documentation for more information on Allergy/ADR processing.

- **Select Allergy**
  Allows the user to view a specific allergy.

4.2.3.4.   Intervention Menu

 This option is only available to those users who hold the PSJ RPHARM key.

The Intervention Menu action allows entry of new interventions and edit, delete, view, or printing of an existing intervention. Each kind of intervention will be discussed and an example will follow.

- **New**: This option is used to add an entry into the APSP INTERVENTION file.

Example: New Intervention

```
Patient Information          Sep 22, 2000 08:03:07        Page:   1 of   1
PSJPATIENT2,TWO                   Ward: 1 West                    <A>
   PID: 000-00-0002           Room-Bed: A-6        Ht(cm): 167.64 (04/21/99)
   DOB: 02/22/42 (58)                              Wt(kg): 85.00 (04/21/99)
   Sex: MALE                                       Admitted: 09/16/99
    Dx: TEST PATIENT                    Last transferred: ********
Allergies - Verified: CARAMEL, CN900, LOMEFLOXACIN, PENTAMIDINE, PENTAZOCINE,
                    CHOCOLATE, NUTS, STRAWBERRIES, DUST
          Non-Verified: AMOXICILLIN, AMPICILLIN, TAPE, FISH,
                      FLUPHENAZINE DECANOATE
              Remote:
   Adverse Reactions:
 Inpatient Narrative: Inpatient narrative
Outpatient Narrative: This is the Outpatient Narrative. This patient doesn't
like waiting at the pickup window. He gets very angry.

          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// IN   Intervention Menu


                   --- Pharmacy Intervention Menu ---

NE   Enter Pharmacy Intervention      DEL  Delete Pharmacy Intervention
ED   Edit Pharmacy Intervention       VW   View Pharmacy Intervention
PRT  Print Pharmacy Intervention


Select Item(s): NE   Enter Pharmacy Intervention
Select APSP INTERVENTION INTERVENTION DATE: T   SEP 22, 2000
  Are you adding 'SEP 22, 2000' as a new APSP INTERVENTION (the 155TH)? No// Y
  (Yes)
   APSP INTERVENTION PATIENT: PSJPATIENT2,TWO   02-22-42     000000002    N
SC VETERAN
   APSP INTERVENTION DRUG: WAR
     1   WARFARIN 10MG            BL100          TAB
     2   WARFARIN 10MG U/D          BL100         TAB **AUTO STOP 2D**
     3   WARFARIN 2.5MG           BL100          TAB
     4   WARFARIN 2.5MG U/D         BL100          TAB  **AUTO STOP 2D**
     5   WARFARIN 2MG          BL100          TAB
Press <RETURN> to see more, '^' to exit this list, OR
CHOOSE 1-5: 1  WARFARIN 10MG          BL100          TAB
PROVIDER:   PSJPROVIDER,ONE      PROV
INSTITUTED BY: PHARMACY// <Enter> PHARMACY
INTERVENTION:    ALLERGY
RECOMMENDATION:    NO CHANGE
WAS PROVIDER CONTACTED: N  NO
RECOMMENDATION ACCEPTED: Y  YES
REASON FOR INTERVENTION:
  1>
ACTION TAKEN:
  1>
CLINICAL IMPACT:
  1>
FINANCIAL IMPACT:
  1>
```

Edit: This option is used to edit an existing entry in the APSP INTERVENTION file.

Example: Edit an Intervention

```
Patient Information          Sep 22, 2000 08:03:07      Page:    1 of    1
PSJPATIENT2,TWO                   Ward: 1 West                    <A>
  PID: 000-00-0002          Room-Bed: A-6       Ht(cm): 167.64 (04/21/99)
  DOB: 02/22/42 (58)                            Wt(kg): 85.00 (04/21/99)
  Sex: MALE                                   Admitted: 09/16/99
   Dx: TEST PATIENT                     Last transferred: ********

Allergies - Verified: CARAMEL, CN900, LOMEFLOXACIN, PENTAMIDINE, PENTAZOCINE,
                      CHOCOLATE, NUTS, STRAWBERRIES, DUST
       Non-Verified: AMOXICILLIN, AMPICILLIN, TAPE, FISH,
                     FLUPHENAZINE DECANOATE
             Remote:
   Adverse Reactions:
 Inpatient Narrative: Inpatient narrative
Outpatient Narrative: This is the Outpatient Narrative. This patient doesn't
like waiting at the pickup window. He gets very angry.


          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// IN   Intervention Menu


                 --- Pharmacy Intervention Menu ---

NE   Enter Pharmacy Intervention       DEL  Delete Pharmacy Intervention
ED   Edit Pharmacy Intervention        VW   View Pharmacy Intervention
PRT  Print Pharmacy Intervention
Select Item(s): ED   Edit Pharmacy Intervention
Select INTERVENTION:T   SEP 22, 2000      PSJPATIENT2,TWO    WARFARIN 10MG
INTERVENTION DATE: SEP 22,2000// <Enter>
PATIENT: PSJPATIENT2,TWO// <Enter>
PROVIDER: PSJPROVIDER,ONE // <Enter>
PHARMACIST: PSJPHARMACIST,ONE // <Enter>
DRUG: WARFARIN 10MG// <Enter>
INSTITUTED BY: PHARMACY// <Enter>
INTERVENTION: ALLERGY// <Enter>
OTHER FOR INTERVENTION:
  1>
RECOMMENDATION: NO CHANGE// <Enter>
OTHER FOR RECOMMENDATION:
  1>
WAS PROVIDER CONTACTED: NO// <Enter>
PROVIDER CONTACTED:
RECOMMENDATION ACCEPTED: YES// <Enter>
AGREE WITH PROVIDER:    <Enter>
REASON FOR INTERVENTION:
  1>
ACTION TAKEN:
  1>
CLINICAL IMPACT:
  1>
FINANCIAL IMPACT:
  1>
```

- **Delete:** This option is used to delete an entry from the APSP INTERVENTION file. The pharmacist may only delete an entry that was entered on the same day.

Example: Delete an Intervention

```
Patient Information          Sep 22, 2000 08:03:07        Page:   1 of   1
PSJPATIENT2,TWO                   Ward: 1 West                        <A>
  PID: 000-00-0002           Room-Bed: A-6        Ht(cm): 167.64 (04/21/99)
  DOB: 02/22/42 (58)                              Wt(kg): 85.00 (04/21/99)
  Sex: MALE                                      Admitted: 09/16/99
   Dx: TEST PATIENT                        Last transferred: ********

Allergies - Verified: CARAMEL, CN900, LOMEFLOXACIN, PENTAMIDINE, PENTAZOCINE,
                      CHOCOLATE, NUTS, STRAWBERRIES, DUST
        Non-Verified: AMOXICILLIN, AMPICILLIN, TAPE, FISH,
                      FLUPHENAZINE DECANOATE
              Remote:
  Adverse Reactions:
 Inpatient Narrative: Inpatient narrative
Outpatient Narrative: This is the Outpatient Narrative. This patient doesn't
like waiting at the pickup window. He gets very angry.


          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// IN    Intervention Menu

                   --- Pharmacy Intervention Menu ---

NE   Enter Pharmacy Intervention       DEL  Delete Pharmacy Intervention
ED   Edit Pharmacy Intervention        VW   View Pharmacy Intervention
PRT  Print Pharmacy Intervention
Select Item(s): DEL   Delete Pharmacy Intervention
You may only delete entries entered on the current day.

Select APSP INTERVENTION INTERVENTION DATE: T   SEP 22, 2000      PSJPATIENT2,TWO
   WARFARIN 10MG
SURE YOU WANT TO DELETE THE ENTIRE ENTRY? YES
```

View: This option is used to display Pharmacy Interventions in a captioned format.

Example: View an Intervention

```
Patient Information          Sep 22, 2000 08:03:07       Page:   1 of   1
PSJPATIENT2,TWO                  Ward: 1 West                    <A>
  PID: 000-00-0002           Room-Bed: A-6       Ht(cm): 167.64 (04/21/99)
  DOB: 02/22/42 (58)                             Wt(kg): 85.00 (04/21/99)
  Sex: MALE                                    Admitted: 09/16/99
   Dx: TEST PATIENT                      Last transferred: ********
```
```
Allergies - Verified: CARAMEL, CN900, LOMEFLOXACIN, PENTAMIDINE, PENTAZOCINE,
                      CHOCOLATE, NUTS, STRAWBERRIES, DUST
         Non-Verified: AMOXICILLIN, AMPICILLIN, TAPE, FISH,
                       FLUPHENAZINE DECANOATE
              Remote:
   Adverse Reactions:
  Inpatient Narrative: Inpatient narrative
Outpatient Narrative: This is the Outpatient Narrative. This patient doesn't
like waiting at the pickup window. He gets very angry.
```
```
          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// IN   Intervention Menu

                  --- Pharmacy Intervention Menu ---

NE   Enter Pharmacy Intervention      DEL  Delete Pharmacy Intervention
ED   Edit Pharmacy Intervention       VW   View Pharmacy Intervention
PRT  Print Pharmacy Intervention
Select Item(s): VW   View Pharmacy Intervention
Select APSP INTERVENTION INTERVENTION DATE: T   SEP 22, 2000       PSJPATIENT2,TWO
   WARFARIN 10MG
ANOTHER ONE: <Enter>
INTERVENTION DATE: SEP 22, 2000         PATIENT: PSJPATIENT2,TWO
  PROVIDER: PSJPROVIDER,ONE           PHARMACIST: PSJPHARMACIST,ONE
  DRUG: WARFARIN 10MG                 INSTITUTED BY: PHARMACY
  INTERVENTION: ALLERGY               RECOMMENDATION: NO CHANGE
  WAS PROVIDER CONTACTED: NO          RECOMMENDATION ACCEPTED: YES
```

- **Print**: This option is used to obtain a captioned printout of Pharmacy Interventions for a certain date range. It will print out on normal width paper and can be queued to print at a later time.

Example: Print an Intervention

```
Patient Information           Sep 22, 2000 08:03:07        Page:   1 of    1
PSJPATIENT2,TWO                    Ward: 1 West                        <A>
   PID: 000-00-0002           Room-Bed: A-6         Ht(cm): 167.64 (04/21/99)
   DOB: 02/22/42 (58)                               Wt(kg): 85.00 (04/21/99)
   Sex: MALE                                      Admitted: 09/16/99
    Dx: TEST PATIENT               Last transferred: ********
--------------------------------------------------------------------------------
Allergies - Verified: CARAMEL, CN900, LOMEFLOXACIN, PENTAMIDINE, PENTAZOCINE,
                      CHOCOLATE, NUTS, STRAWBERRIES, DUST
          Non-Verified: AMOXICILLIN, AMPICILLIN, TAPE, FISH,
                      FLUPHENAZINE DECANOATE
              Remote:
   Adverse Reactions:
 Inpatient Narrative: Inpatient narrative
Outpatient Narrative: This is the Outpatient Narrative. This patient doesn't
like waiting at the pickup window. He gets very angry.


          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// IN   Intervention Menu

                   --- Pharmacy Intervention Menu ---

NE   Enter Pharmacy Intervention       DEL  Delete Pharmacy Intervention
ED   Edit Pharmacy Intervention        VW   View Pharmacy Intervention
PRT  Print Pharmacy Intervention
Select Item(s): PRT   Print Pharmacy Intervention
  * Previous selection: INTERVENTION DATE equals 7/2/96
  START WITH INTERVENTION DATE: FIRST// T  (SEP 22, 2000)
  GO TO INTERVENTION DATE: LAST// T  (SEP 22, 2000)
DEVICE: <Enter> NT/Cache virtual TELNET terminal    Right Margin: 80//
PHARMACY INTERVENTION LISTING                 SEP 22,2000  09:20    PAGE 1
--------------------------------------------------------------------------------



INTERVENTION: ALLERGY

INTERVENTION DATE: SEP 22,2000        PATIENT:  PSJPATIENT2,TWO
PROVIDER: PSJPROVIDER,ONE             PHARMACIST:  PSJPHARMACIST,ONE
DRUG: WARFARIN 10MG                   INSTITUTED BY:  PHARMACY
RECOMMENDATION: NO CHANGE
WAS PROVIDER CONTACTED: NO            RECOMMENDATION ACCEPTED:   YES
PROVIDER CONTACTED:
                                      ---------------------------
SUBTOTAL                                            1
SUBCOUNT                                   1
                                      ---------------------------
TOTAL                                              1
COUNT                                      1
```

Example: Active Complex Order in Profile View

```
Inpatient Order Entry       Mar 07, 2004@15:00:05      Page:    1 of    1
PSJPATIENT1,ONE                    Ward: 1 EAST
  PID: 000-00-0001         Room-Bed: B-12       Ht(cm): _____ (_____)
  DOB: 08/18/20 (81)                            Wt(kg): _____ (_____)
  Sex: MALE                                    Admitted: 03/03/04
   Dx: TESTING                          Last transferred: ********

- - - - - - - - - - - - - - - - - - A C T I V E - - - - - - - - - - - - - - - - - - -
  1     CAPTOPRIL TAB                         C  03/26  03/27  A
          Give: 25MG PO QDAILY
  2     CAPTOPRIL TAB                         C  03/28  03/29  A
          Give: 50MG PO BID
  3     CAPTOPRIL TAB                         C  03/30  03/31  A
          Give: 100MG PO TID




          Enter ?? for more actions
PI  Patient Information              SO  Select Order
PU  Patient Record Update           NO  New Order Entry
Select Action: Next Screen//
```

4.2.3.6.   Patient Information

The Patient Information screen is displayed for the selected patient. The header contains the
patient's demographic data, while the list area contains Allergy/Adverse Reaction data, and
Pharmacy Narratives. If an outpatient is selected, all future appointments in clinics that allow
Inpatient Medications orders will display in the list area, too.

Example: Patient Information

```
Patient Information          Sep 13, 2000 15:04:31      Page:    1 of    1
PSJPATIENT1,ONE                    Ward: 1 EAST
  PID: 000-00-0001         Room-Bed: B-12       Ht(cm): _____ (_____)
  DOB: 08/18/20 (80)                            Wt(kg): _____ (_____)
  Sex: MALE                                    Admitted: 05/03/00
   Dx: TESTING                          Last transferred: ********

Allergies/Reactions: No Allergy Assessment
Remote:
Adverse Reactions:
Inpatient Narrative: Narrative for Patient PSJPATIENT1
Outpatient Narrative:







          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//
```

Example: Patient Information Screen for Outpatient Receiving Inpatient Medications

```
Patient Information          May 12, 2003 14:27:13        Page:    1 of    1
PSJPATIENT3,THREE               Last Ward: 1 West
   PID: 000-00-0003     Last Room-Bed:          Ht(cm): _____ (_____)
   DOB: 02/01/55 (48)                           Wt(kg): _____ (_____)
   Sex: FEMALE                           Last Admitted: 01/13/98
    Dx: TESTING                             Discharged: 01/13/98
_____
Allergies/Reactions: No Allergy Assessment
Remote:
Adverse Reactions:
Inpatient Narrative:
Outpatient Narrative:

Clinic:                 Date/Time of Appointment:
Clinic A                May 23, 2003/9:00 am
Flu Time Clinic         June 6, 2003/10:00 am
         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//
```

4.2.3.7. Select Order

The Select Order action is used to take action on a previously entered order by selecting it from the profile, after the patient is selected and length of profile is chosen (i.e., short or long).

Example: Select an Order

```
Inpatient Order Entry        Mar 07, 2002@13:01:56       Page:    1 of    1
PSJPATIENT1,ONE                 Ward: 1 EAST
   PID: 000-00-0001     Room-Bed: B-12       Ht(cm): _____ (_____)
   DOB: 08/18/20 (81)                        Wt(kg): _____ (_____)
   Sex: MALE                              Admitted: 05/03/00
    Dx: TESTING                     Last transferred: ********
_____
- - - - - - - - - - - - - - - A C T I V E - - - - - - - - - - - - - - - - - -
  1    in 0.9% SODIUM CHLORIDE 1000 ML 125 ml/hrC  03/07  03/07  E
  2    in 5% DEXTROSE 50 ML 125 ml/hr         C  03/06  03/06  E
  3    CEPHAPIRIN 1 GM                        C  03/04  03/09  A
       in DEXTROSE 5% IN N. SALINE 100 ML QID
  4    ASPIRIN CAP,ORAL                       O  03/07  03/07  E
         Give: 650MG PO NOW
- - - - - - - - - - - - - - - P E N D I N G - - - - - - - - - - - - - - - - -
  5    in DEXTROSE 10% 1000 ML 125 ml/hr      ?  *****  *****  P



         Enter ?? for more actions
PI  Patient Information           SO  Select Order
PU  Patient Record Update         NO  New Order Entry
Select Action: Quit// 1
```

--**report continues**--

The detailed view of the order presents all available data pertaining to the order. This includes patient identification and location, status of the order, additive(s) with strength, solution(s), infusion rate, medication route, the schedule, administration times, remarks, and other print information. Other information includes type of order, IV room, start and stop date and time, entry date and time (when order was entered into the system), last fill (date and time when last label was printed), and quantity (the number of labels printed). The entry by field of the user placing the order, provider, provider comments, and the number of cumulative doses is also included.

After the detailed view is displayed, the user may select the activity log, label log, or both for the order. The activity log provides a trace of every action taken on an order since the original entry. The activity log contains a log number, the date and time of the activity, the reason of activity (i.e., edit, renew, place on call, or discontinue an order), and the user entering the activity. The reason for activity comment allows the user to explain why the activity was necessary. Also, the system will display the field(s) that was affected, the original data contained in that field, and what it was changed to as a result of the activity.

The label log contains a log number, date/time the label is printed, action on the order, user, number of labels printed, track (possible entries are individual, scheduled, suspended, order action labels, or other), and count (which indicates whether the label was counted for that particular day).

Example: Profile Report

```
Select IV Menu Option:  Profile (IV)

Select PATIENT:     PSJPATIENT1,ONE          000-00-0001  08/18/20   1 EAST

Patient Information           Mar 20, 2001@16:50:50        Page:    1 of   1
PSJPATIENT1,ONE                      Ward: 1 EAST
   PID: 000-00-0001          Room-Bed: B-12        Ht(cm): _____ (_____)
   DOB: 08/18/20 (80)                              Wt(kg): _____ (_____)
   Sex: MALE                                     Admitted: 05/03/00
    Dx: TESTING                          Last transferred: ********

Allergies/Reactions: No Allergy Assessment
Remote:
Adverse Reactions:
Inpatient Narrative:
Outpatient Narrative:




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

SHORT, LONG, or NO Profile?  SHORT//   <Enter> SHORT

----------------------------------report continues----------------------------------
```

Example: Profile Report (continued)

```
IV Profile                 Mar 20, 2001@16:51:28      Page:    1 of    1
PSJPATIENT1,ONE                     Ward: 1 EAST
   PID: 000-00-0001          Room-Bed: B-12      Ht(cm): _____ (_____)
   DOB: 08/18/20 (80)                            Wt(kg): _____ (_____)
   Sex: MALE                                   Admitted: 05/03/00
    Dx: TESTING                        Last transferred: ********

# Additive                      Last fill      Type  Start  Stop   Stat
--------------------------------- A c t i v e --------------------------------
1 MVI 100 ML                    MAR 19 14:57  #2  P    03/19  03/20  A
   in 0.9% SODIUM CHLORIDE 1000 ML Q8H
--------------------------------- P e n d i n g ------------------------------
2  FLUOROURACIL INJ,SOLN        **  N/P  **  #0         *****  *****  P
    Give: 100MG/2ML PO QDAILY
3  TIMOLOL SOLN,OPH             **  N/P  **  #0   P     *****  *****  P
    Give:  IV Q12H




         Enter ?? for more actions
PI  Patient Information            SO  Select Order
PU  Patient Record Update          NO  (New Order Entry)
Select Action: Quit// 1


ACTIVE IV                  Mar 20, 2001@16:51:56      Page:    1 of    2
PSJPATIENT1,ONE                     Ward: 1 EAST
   PID: 000-00-0001          Room-Bed: B-12      Ht(cm): _____ (_____)
   DOB: 08/18/20 (80)                            Wt(kg): _____ (_____)

*(1)   Additives:           Order number: 64          Type: PIGGYBACK
       MVI 10 ML
 (2)   Solutions:
       0.9% SODIUM CHLORIDE 1000 ML
           Duration:                      *(4)     Start: 03/19/01  11:30
 (3)   Infusion Rate: INFUSE OVER 8 HOURS.
*(5)      Med Route: IVPB                  *(6)      Stop: 03/20/01  24:00
*(7)       Schedule: QID                 Last Fill: 03/19/01  14:57
 (8)    Admin Times: 09-13-17-21            Quantity: 2
*(9)       Provider: PSJPROVIDER,ONE [es]  Cum. Doses: 9
*(10)Orderable Item: MULTIVITAMINS INJ
     Instructions:
 (11)   Other Print: TESTING
+       Select either "AL" , "LL" or "AL,LL" for both
AL   View Activity Log    LL   View Label Log
Select Item(s): Next Screen// AL   View Activity Log

ACTIVITY LOG:
# DATE       TIME     REASON                   USER
==============================================================================
1 MAR 20,2001 16:42:56 EDIT                  PSJPHARMACIST,ONE
  Comment:

       Field: 'OTHER PRINT INFO'
  Changed from: ''
          To: 'TESTING'

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

4.3 Order Checks

Order checks (allergy/adverse drug reactions, drug-drug interactions, duplicate drug, and duplicate class) are performed when a new medication order is placed through either the Inpatient Medications or CPRS applications. They are also performed when medication orders are renewed or during the finishing processes. This functionality will ensure the user is alerted to possible adverse drug reactions and will reduce the possibility of a medication error due to the omission of an order check when a non-active medication order is renewed.

Note: The check for remote data availability is performed when entering a patient's chart, rather than on each order.

The following actions will initiate an order check:
- Action taken through Inpatient Medications to enter a medication order will initiate order checks (allergy, drug-drug interaction, duplicate drug, and duplicate class) against existing medication orders.
- Action taken through Inpatient Medications to finish a medication order placed through CPRS will initiate order checks (allergy, drug-drug interaction, duplicate drug, and duplicate class) against existing medication orders.
- Action taken through IV Menu to finish a medication order placed through CPRS will initiate order checks (allergy, drug-drug interaction, duplicate drug, and duplicate class) against existing medication orders.
- Action taken through Inpatient Medications to renew a medication order will initiate order checks (allergy, drug-drug interaction, duplicate drug, and duplicate class) against existing medication orders.
- Action taken through IV Menu to renew a medication order will initiate order checks (allergy, drug-drug interaction, duplicate drug, and duplicate class) against existing medication orders.

The following are the different items used for the order checks:
- Checks each Dispense Drug within the Unit Dose order for allergy/adverse drug reactions.
- Checks each Dispense Drug within the Unit Dose order against existing orders for drug-drug interaction, duplicate drug, and duplicate class.
- Checks each additive within an IV order for drug-drug interaction, duplicate drug, and duplicate class against solutions or other additives within the order.
- Checks each IV order solution for allergy/adverse reactions.
- Checks each IV order solution for drug-drug interaction against other solutions or additives within the order.
- Checks each IV order additive for allergy/adverse reaction.
- Checks each IV order additive for drug-drug interaction, duplicate drug, and duplicate class against existing orders for the patient.
- Checks each IV order solution for drug-drug interaction against existing orders for the patient.

Override capabilities are provided based on the severity of the order check, if appropriate.

Order Checks warnings will be displayed/processed in the following order:

- Duplicate drug or class
- Critical or significant drug-drug interactions
- Critical or significant drug-allergy interactions

These checks will be performed at the Dispense Drug level. Order checks for IV orders will use the Dispense Drugs linked to each additive/solution in the order. All pending, non-verified, active and renewed Inpatient orders, active Outpatient orders and active Non-Veterans Affairs (VA) Meds documented in CPRS will be included in the check. In addition, with the release of OR*3*238, order checks will be available using data from the Health Data Repository Historical (HDR-Hx) and the Health Data Repository Interim Messaging Solution (HDR-IMS). This will contain both Outpatient orders from other VAMCs as well as from Department of Defense (DoD) facilities, if available. Any remote Outpatient order that has been expired for 30 days or less will be included in the list of medications to be checked.

There is a slight difference in the display of local Outpatient orders compared with remote Outpatient orders. Below are examples of the two displays:

Example: Local Outpatient Order Display

```
The patient has the following Outpatient order(s):

------------------------------------------------------------------------------
                 Rx #: 40074          PHENYTOIN 100MG (Extended) CAP
               Status: Active                      Issued: 07/11/05
                  SIG: TAKE ONE CAPSULE BY MOUTH TWICE A DAY
                  QTY: 60                       # of refills: 11
             Provider: PSOPROVIDER,ONE      Refills remaining: 11
                                              Last filled on: 07/11/05
                                                  Days Supply: 30
------------------------------------------------------------------------------
```

Example: Remote Outpatient Order Display

```
------------------------------------------------------------------------------
DAYTON         Rx #: 2663878            WARFARIN NA 10MG TAB
             Status: ACTIVE                       Issued: 07/11/05
                SIG:      TAKE ONE-HALF TABLET BY MOUTH BEFORE BREAKFAST --TO
                          THIN BLOOD--
                QTY: 4
           Provider: PSOPROVIDER,TWO      Refills remaining: 0
                                            Last filled on: 07/11/05
                                                Days Supply: 1

------------------------------------------------------------------------------
```

In the Remote Outpatient Order Display example above, notice the name of the remote location has been added. In addition, the number of refills is not available.

If the order is entered by Orderable Item only, these checks will be performed at the time the Dispense Drug(s) are specified. The checks performed include:

- **Duplicate Drug** - If the patient is already receiving orders containing the Dispense Drug selected for the new order, these duplicate orders are displayed. Inpatient duplicate orders of this kind are displayed in a numbered list. The user is first asked whether or not to continue the current order. If the user selects to continue the order then the user is prompted with which, if any, numbered Inpatient duplicate orders to discontinue. The user may enter a range of numbers from the numbered list of duplicate orders or bypass the prompt by selecting <Enter> and continue with the order. Entry of duplicate drug orders will be allowed. Only Additives are included in the duplicate drug check for IV orders. The solutions are excluded from this check.

- **Duplicate Class** - If the patient is already receiving orders containing a Dispense Drug in the same class as one of the Dispense Drugs in the new order, the orders containing the drug in that class are displayed. Inpatient duplicate orders of this kind are displayed in a numbered list. The user is first asked whether or not to continue the current order. If the user selects to continue the order then the user is prompted with which, if any, numbered Inpatient duplicate orders to discontinue. The user may enter a range of numbers from the numbered list of duplicate orders or bypass the prompt by selecting <Enter> and continue with the order. Entry of orders with duplicate drugs of the same class will be allowed.

- **Drug-Drug Interactions** - Drug-drug interactions will be either critical or significant. If the Dispense Drug selected is identified as having an interaction with one of the drugs the patient is already receiving, the order the new drug interacts with will be displayed.

- **Drug-Allergy Interactions** - Drug-allergy interactions will be either critical or significant. If the Dispense Drug selected is identified as having an interaction with one of the patient's allergies, the allergy the drug interacts with will be displayed.

    Note: For a Significant Interaction, the pharmacist is allowed to enter an intervention, but one is not required. For a Critical Interaction, the pharmacist <u>must</u> enter an intervention before continuing.

4.3.1 Outpatient Duplicate Orders

Outpatient duplicate order check results display together on the first screen before all other order check information. These results are displayed for informational purposes only. The header for Outpatient duplicate orders reads as follows:

```
                    The patient has the following Outpatient order(s):
```

4.3.2 Inpatient Duplicate Orders

Duplicate drug and duplicate drug class Inpatient orders display together in a numbered sequence. The user selects from the numbered sequence the order(s) to be discontinued, if any. The header for Inpatient duplicate orders reads as follows:

```
    This patient is already receiving the following INPATIENT order(s) for
      the same drug or in the same drug class as WARFARIN SOD. 50MG COMB.
                                    PACK.:
```

After the user has discontinued an order, if any duplicate Inpatient orders remain, they are displayed again in a numbered list. The following header is displayed:

```
    Now, this patient is already receiving the following INPATIENT order(s)
      for the same drug or in the same drug class as WARFARIN SOD. 50MG COMB.
                                    PACK.:
```

This cycle repeats until no more duplicate Inpatient orders exist, or until the user indicates there are no more duplicate Inpatient orders they wish to discontinue.

Example: Duplicate Order Entry Screen

```
Unit Dose Order Entry           Jun 27, 2006@16:08:46          Page:    1 of    1
PSJPATIENT,ONE                       Ward: 7B                               A
  PID: 666-666-1234              Room-Bed:                Ht(cm): _____ (_____)
  DOB: --/--/70 (35)                                      Wt(kg): _____ (_____)
  Sex: MALE                                         Admitted: 03/08/06
   Dx: SICK                                    Last transferred: ********
--------------------------------------------------------------------------------

Select DRUG: warf
    Lookup: DRUG  GENERIC NAME
     1    WARFARIN 2MG TABS            BL110
     2    WARFARIN SOD. 50MG COMB.PACK.         BL110
     3    WARFARIN SODIUM 5MG S.T.          BL110
CHOOSE 1-3: 2  WARFARIN SOD. 50MG COMB.PACK.          BL110


The patient has the following Outpatient order(s):

--------------------------------------------------------------------------------
                Rx #: 300410          ASPIRIN BUFFERED 325MG TAB
              Status: Active                        Issued: 06/08/06
                 SIG: TAKE TWO TABLETS BY MOUTH AFTER MEALS TAKE THESE
```

```
                        AFTER YOU GET HOME
                QTY: 100                        # of refills: 0
            Provider: PSOPROVIDER,ONE      Refills remaining: 0
                                            Last filled on: 06/08/06
                                              Days Supply: 90
-------------------------------------------------------------------------------

This patient is receiving the following medication that has an interaction
with WARFARIN SOD. 50MG COMB.PACK.:


        ASPIRIN TAB,EC                           C  06/19  07/03  A
        Give: 324MG PO Q4H

This patient is already receiving the following INPATIENT order(s) for the same
drug or in the same drug class as WARFARIN SOD. 50MG COMB.PACK.:

1.      WARFARIN TAB                             C  06/27  07/03  A
        Give: 2MG PO Q6H                         PSJProvider, One

2.      WARFARIN TAB                             C  06/27  07/03  A
        Give: 2MG PO Q2H                         PSJProvider, Two


Do you wish to continue with the current order? YES// yes  YES

Do you wish to DISCONTINUE any of the listed orders? NO// Y

Choose for DISCONTINUE 1-2: 1


NATURE OF ORDER: (TBD)// <cr>

REQUESTING PROVIDER:  PSJProvider, One             P1O



Now, this patient is already receiving the following INPATIENT order(s) for the
same drug or drug class as WARFARIN SOD. 50MG COMB.PACK.:


1.      WARFARIN TAB                             C  06/27  07/03  A
        Give: 2MG PO Q2H                         PSJProvider, Two

Do you wish to DISCONTINUE any of the listed orders? NO// <cr>          NO

There is a CRITICAL interaction, you must enter an intervention log to continue
Do you wish to log an intervention? NO// yes  YES

Now creating Pharmacy Intervention

PROVIDER: PSJPROVIDER,ONE       BIRMINGHAM     ALABAMA     RR   SYSTEMS ANALYST
RECOMMENDATION: no change
```

4.3.3. Discontinuing Duplicate Inpatient Orders

When duplicate Inpatient orders are found, the following prompt is presented after each display (or redisplay) of a numbered list:

```
            Do you wish to DISCONTINUE any of the listed orders?  NO//
```
Note: If the user selects the default of NO, the order process continues.

If the user enters YES to the DISCONTINUE prompt, the following prompt is presented to allow selecting orders:

```
                 Choose for DISCONTINUE 1-N:
```
Note: N represents the highest numbered duplicate order in the numbered list.

4.3.3.1. Exiting the Order Process

When duplicate Inpatient orders have been found, the following prompt is displayed after the first numbered list of duplicate Inpatient orders:

```
           Do you wish to continue with the current order?  YES//
```

Note: The wording of this existing prompt has been slightly modified. Also, the current default of NO has been changed to YES.

Each time a user chooses to discontinue an Inpatient duplicate order(s), a prompt is presented to enter a value for NATURE OF ORDER. This value applies to all orders just selected to be discontinued.

Also, each time a user chooses to discontinue an Inpatient duplicate order(s), a prompt is presented to enter a value for Requesting PROVIDER. This value applies to all orders just selected to be discontinued

Example: Entering Returns and Destroyed Medications

```
Select IV Menu Option:  RETurns and Destroyed Entry (IV)

Select PATIENT:   PSJPATIENT1,ONE      000-00-0001  08/18/20    1 EAST


Patient Information          Feb 20, 2002@15:58:02        Page:    1 of    1
PSJPATIENT1,ONE                      Ward: 1 EAST
   PID: 000-00-0001         Room-Bed: B-12       Ht(cm): _____ (_____)
   DOB: 08/18/20 (80)                            Wt(kg): _____ (_____)
   Sex: MALE                                   Admitted: 05/03/00
    Dx: TESTING                          Last transferred: ********

 Allergies/Reactions: No Allergy Assessment
 Remote:
 Adverse Reactions:
 Inpatient Narrative:
 Outpatient Narrative:


         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//  <Enter>  View Profile

SHORT, LONG, or NO Profile? SHORT//  <Enter>   SHORT



IV Profile                   Feb 20, 2002@15:58:50        Page:    1 of    1
PSJPATIENT1,ONE                      Ward: 1 EAST
   PID: 000-00-0001         Room-Bed: B-12       Ht(cm): _____ (_____)
   DOB: 08/18/20 (81)                            Wt(kg): _____ (_____)
   Sex: MALE                                   Admitted: 09/10/01
    Dx: TESTING                          Last transferred: ********

#      Additive              Last fill     Type Start   Stop    Stat
-------------------------------- A c t i v e -------------------------------
   1   POTASSIUM CHLORIDE     FEB 20 15:55  #1   A    02/20   02/20  A
         XXXXXXXXXXX 35 MEQ
       in DEXTROSE 5% 1/2 NS 1000 ML 80 ml/
         hr


         Enter ?? for more actions
PI  Patient Information              SO  Select Order
PU  Patient Record Update           NO  (New Order Entry)
Select Action: Quit// 1


     ----------------------------------------------------------------
     Patient: PSJPATIENT1,ONE                      Status: ACTIVE

*(1) Additives:            Order number: 445        Type: ADMIXTURE
      POTASSIUM CHLORIDE XXXXXXXXXXX 35 MEQ
*(2) Solutions:
      DEXTROSE 5% 1/2 NS 1000 ML
         Duration:                       *(4)     Start: 02/20/02  15:46
*(3)  Infusion Rate: 80 ml/hr
*(5)      Med Route: IV                  *(6)      Stop: 02/20/02  24:00
BCMA ORDER LAST ACTION: 02/20/02 15:50 Infusing*
*(7)      Schedule:                               Last Fill: 02/20/02  15:55
 (8)   Admin Times:                          Quantity: 1
*(9)       Provider: PSJPROVIDER,ONE [es]    Cum. Doses: 1
 (10)   Other Print:

 (11)  Remarks :
      Entry By: PSJPROVIDER,ONE               Entry Date: 02/20/02  15:55

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

Example: Entering Returns and Destroyed Medications (continued)

```
Return IV Labels          Feb 20, 2002@16:06:39       Page:    1 of    0
PSJPATIENT1,ONE                     Ward: 1 EAST
   PID: 000-00-0001           Room-Bed: B-12      Ht(cm): _____ (_____)
   DOB: 08/18/20 (81)                             Wt(kg): _____ (_____)

         POTASSIUM CHLORIDE XXXXXXXXXXX 35 MEQ   C  02/20  02/20  A
         in DEXTROSE 5% 1/2 NS 1000 ML 80 ml/hr

---------------------- Labels available for reprint ------------------------
  1. 739V445    POTASSIUM CHLORIDE XXXXXXXXXXX 35 MEQ
               DEXTROSE 5% 1/2 NS 1000 ML
               80 ml/hr
               2[3]
  2. 739V446    POTASSIUM CHLORIDE XXXXXXXXXXX 35 MEQ
               DEXTROSE 5% 1/2 NS 1000 ML
               80 ml/hr
               3[3]
  3. 739V447    POTASSIUM CHLORIDE XXXXXXXXXXX 35 MEQ
               DEXTROSE 5% 1/2 NS 1000 ML
               80 ml/hr
+        Enter ?? for more actions
RC   Recycled          DT   Destroyed          CA   Cancelled
Select Item(s): Next Screen// RC   Recycled

Select from 1 - 3 or <RETURN> to select by BCMA ID: 1
```

```
Return IV Labels          Feb 20, 2002@16:07:46       Page:    1 of    0
PSJPATIENT1,ONE                     Ward: 1 EAST
   PID: 000-00-0001           Room-Bed: B-12      Ht(cm): _____ (_____)
   DOB: 08/18/20 (81)                             Wt(kg): _____ (_____)

         POTASSIUM CHLORIDE XXXXXXXXXXX 35 MEQ   C  02/20  02/20  A
         in DEXTROSE 5% 1/2 NS 1000 ML 80 ml/hr

---------------------- Labels available for reprint ------------------------
  1. 739V446    POTASSIUM CHLORIDE XXXXXXXXXXX 35 MEQ
               DEXTROSE 5% 1/2 NS 1000 ML
               80 ml/hr
               3[3]
  2. 739V447    POTASSIUM CHLORIDE XXXXXXXXXXX 35 MEQ
               DEXTROSE 5% 1/2 NS 1000 ML
               80 ml/hr
               1[3]



         Enter ?? for more actions
RC   Recycled          DT   Destroyed          CA   Cancelled
Select Item(s): Quit// DT   Destroyed

Select from 1 - 2 or <RETURN> to select by BCMA ID: <Enter>
Enter a BCMA ID: 739V446
```

--------------------------------------report continues--------------------------------------

Example: IV Individual Labels (continued)

```
Patient Information         Feb 20, 2002@16:02:15         Page:    1 of    1
PSJPATIENT1,ONE                   Ward: 1 EAST
   PID: 000-00-0001         Room-Bed: B-12        Ht(cm): _____ (_____)
   DOB: 08/18/20 (80)                             Wt(kg): _____ (_____)
   Sex: MALE                                    Admitted: 09/10/01
    Dx: TESTING                        Last transferred: ********
_____

 Allergies/Reactions: No Allergy Assessment
 Remote:
 Adverse Reactions:
 Inpatient Narrative:
 Outpatient Narrative:




          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//  <Enter>  View Profile

SHORT, LONG, or NO Profile?  SHORT//  <Enter>   SHORT


IV Profile                   Feb 20, 2002@16:02:45         Page:    1 of    1
PSJPATIENT1,ONE                   Ward: 1 EAST
   PID: 000-00-0001         Room-Bed: B-12        Ht(cm): _____ (_____)
   DOB: 08/18/20 (81)                             Wt(kg): _____ (_____)
   Sex: MALE                                    Admitted: 09/10/01
    Dx: TESTING                        Last transferred: ********
_____

#      Additive             Last fill      Type  Start  Stop   Stat
-------------------------------- A c t i v e -----------------------------
  1    POTASSIUM CHLORIDE         FEB 20 15:55  #1   A    02/20  02/20  A
         XXXXXXXXXXX 35 MEQ
       in DEXTROSE 5% 1/2 NS 1000 ML 80 ml/
         hr




          Enter ?? for more actions
PI  Patient Information              SO  Select Order
PU  Patient Record Update           NO  (New Order Entry)
Select Action: Quit//  1

      ----------------------------------------------------------------------
      Patient: PSJPATIENT1,ONE                     Status: ACTIVE

*(1) Additives:             Order number: 445        Type: ADMIXTURE
      POTASSIUM CHLORIDE XXXXXXXXXXX 35 MEQ
*(2) Solutions:
      DEXTROSE 5% 1/2 NS 1000 ML
           Duration:                   *(4)    Start: 02/20/02  15:46
*(3)  Infusion Rate: 80 ml/hr
*(5)     Med Route: IV                 *(6)    Stop: 02/20/02  24:00
BCMA ORDER LAST ACTION: 02/20/02 15:50 Infusing*
*(7)     Schedule:                          Last Fill: 02/20/02  15:55
 (8)   Admin Times:                          Quantity: 1
*(9)      Provider: PSJPROVIDER,ONE [es]    Cum. Doses: 1
 (10)   Other Print:

 (11)  Remarks :
      Entry By: PSJPROVIDER,ONE             Entry Date: 02/20/02  15:55

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

-------------------------------------report continues--------------------------------------

Example: IV Individual Labels (continued)

```
Individual IV Labels        Feb 20, 2002@16:03:54       Page:   1 of   0
PSJPATIENT1,ONE                     Ward: 1 EAST
   PID: 000-00-0001         Room-Bed: B-12       Ht(cm): _____ (_____)
   DOB: 08/18/20 (81)                            Wt(kg): _____ (_____)

        POTASSIUM CHLORIDE XXXXXXXXXXX 35 MEQ   C  02/20  02/20  A
        in DEXTROSE 5% 1/2 NS 1000 ML 80 ml/hr

---------------------- Labels available for reprint -----------------------






          Enter ?? for more actions
NL   Print New Labels                    RL   Reprint IV Labels
Select Item(s): Quit// NL   Print New Labels

Number of labels to print: 3
Count as daily usage? Yes//  <Enter>
```

```
Individual IV Labels        Feb 20, 2002@16:05:01       Page:   1 of   0
PSJPATIENT1,ONE                     Ward: 1 EAST
   PID: 000-00-0001         Room-Bed: B-12       Ht(cm): _____ (_____)
   DOB: 08/18/20 (81)                            Wt(kg): _____ (_____)

        POTASSIUM CHLORIDE XXXXXXXXXXX 35 MEQ   C  02/20  02/20  A
        in DEXTROSE 5% 1/2 NS 1000 ML 80 ml/hr

---------------------- Labels available for reprint -----------------------
  1. 739V444    POTASSIUM CHLORIDE XXXXXXXXXXX 35 MEQ
               DEXTROSE 5% 1/2 NS 1000 ML
               80 ml/hr
               1[3]
  2. 739V445    POTASSIUM CHLORIDE XXXXXXXXXXX 35 MEQ
               DEXTROSE 5% 1/2 NS 1000 ML
               80 ml/hr
               2[3]
  3. 739V446    POTASSIUM CHLORIDE XXXXXXXXXXX 35 MEQ
               DEXTROSE 5% 1/2 NS 1000 ML
               80 ml/hr
+        Enter ?? for more actions
NL   Print New Labels                    RL   Reprint IV Labels
Select Item(s): Next Screen// RL   Reprint IV Labels

Count as daily usage? Yes//  <Enter>  (Yes)

Select from 1 - 3 or <RETURN> to select by BCMA ID: 1
```

Example: Delete IV Labels from Suspense (continued)

```
Patient Name PSJPATIENT1,ONE  (1 EAST)
Order Number               Order                          Suspended
--------------------------------------------------------------------------------
64                                       4 labels   MAR 19,2001 11:30:49
                           MVI 10 ML
                           0.9% SODIUM CHLORIDE 1000 ML
                           INFUSE OVER 8 HOURS.
                           QDAILY (09)

65                                      20 labels   MAR 19,2001 11:31:21
                           POTASSIUM CHLORIDE 40 MEQ
                           0.9% SODIUM CHLORIDE 1000 ML
                           100 ml/hr

Select Order Number: 64
Deleted.


Select SUSpense Functions (IV) Option:
```

8.2.3.2.   Individual Order Suspension (IV)
[PSJI INDIVIDUAL SUSPENSE]

The *Individual Order Suspension (IV)* option allows the user to suspend labels for a specific active order. The user can only suspend ten labels at a time.

These labels will then be available for the IV room to release for doses due within the present coverage interval or for the next coverage interval if the Ward List for that batch has already been run.

Example: IV Individual Order Suspension

```
Select SUSpense Functions (IV) Option:  Individual Order Suspension (IV)

Select PATIENT:     PSJPATIENT1,ONE        000-00-0001  08/18/20    1 EAST


Patient Information          Mar 19, 2001@14:55:29        Page:    1 of    1
PSJPATIENT1,ONE                    Ward: 1 EAST
   PID: 000-00-0001        Room-Bed: B-12       Ht(cm): _____ (_____)
   DOB: 08/18/20 (80)                           Wt(kg): _____ (_____)
   Sex: MALE                              Admitted: 05/03/00
    Dx: TESTING                     Last transferred: ********

 Allergies/Reactions: No Allergy Assessment
 Remote:
 Adverse Reactions:
 Inpatient Narrative:
 Outpatient Narrative:




        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//  <Enter>  View Profile

SHORT, LONG, or NO Profile?  SHORT//  <Enter>  SHORT
```
------------------------------------**report continues**------------------------------------

Example: IV Individual Order Suspension (continued)

```
IV Profile                  Mar 19, 2001@14:55:57        Page:    1 of    1
PSJPATIENT1,ONE                     Ward: 1 EAST
   PID: 000-00-0001         Room-Bed: B-12       Ht(cm): _____ (_____)
   DOB: 08/18/20 (80)                            Wt(kg): _____ (_____)
   Sex: MALE                                   Admitted: 05/03/00
    Dx: TESTING                          Last transferred: ********
_____
#   Additive                  Last fill      Type  Start   Stop    Stat
------------------------------ A c t i v e ------------------------------
1 POTASSIUM CHLORIDE 40 MEQ       MAR 19 12:06  #2   A    03/19   03/26  A
   in 0.9% SODIUM CHLORIDE 1000 ML 100
     ml/hr
2 MVI 10 ML                      MAR 19 12:06  #4   P    03/19   03/20  A
   in 0.9% SODIUM CHLORIDE 1000 ML QDAILY
------------------------------ P e n d i n g ----------------------------
3 FLUOROURACIL INJ,SOLN          **  N/P  **  #0        *****   *****  P R
     Give: 100MG/2ML PO QDAILY
4 TIMOLOL SOLN,OPH               **  N/P  **  #0  P     *****   *****  P
     Give:  OU Q12H
         Enter ?? for more actions
PI  Patient Information            SO   Select Order
PU  Patient Record Update          NO   (New Order Entry)
Select Action: Quit// 2

Number of labels to suspend: 2 ..... 2 Labels suspended !
```

8.2.3.3.   Labels from Suspense (IV)
[PSJI SUSLBLS]

The *Labels from Suspense (IV)* option prints all labels that have been suspended since the last print of labels from suspense. Once labels have been printed, they are erased from this file and may not be printed again using this option. Use the *Reprint Labels from Suspense (IV)* option if the labels need to be reprinted.

Example: Printing IV Labels from Suspense

```
Select SUSpense Functions (IV) Option: LAbels from Suspense (IV)

║█║▌║█║▌║█║║▌║█║▌║█║║▌║█║

     *389V128*

 [3] 9678  7A SURG  03/19/02
 PSJPATIENT9,NINE  724-A

 CEFTRIAXONE 10 GM
 KCL 20MEQ/D5/NACL 0.9% 1000 ML
    KCL 20MEQ/D5/NACL {2}
 In Syringe: 10

 Dose due at: 01/12/02 0924
 FOR I.M. IJECTION
 START NOW
 ONCE
 Fld by: ____   Chkd by: ____
 1[1]

----------------------------------report continues-----------------------------------
```