



PHARMACY DATA MANAGEMENT

USER MANUAL

Version 1.0
September 1997

(Revised April 2011)

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
04/11	i-iii, 3-4b, 7-16b, 44d-j, 114, 118, 121, 129, 137, 204-206	PSS*1*155	Utilized three new fields that were added to the VA PRODUCT file (#50.68) with PSN*4*261. The fields are used during the Match/Rematch process of the <i>Drug Enter/Edit</i> [PSS DRUG ENTER/EDIT] and the <i>Enter/Edit Dosages</i> [PSS EDIT DOSAGES] options to determine whether possible dosages should be auto-created for supra-therapeutic drugs. Retired the <i>Auto Create Dosages</i> [PSS DOSAGE CONVERSION] option and removed the option from the <i>Dosages</i> [PSS DOSAGES MANAGEMENT] menu. Updated Index. (N. Goyal, PM; E. Phelps/C. Bernier Tech Writers)
04/11	i, ii, iii, added iv, v; changed 3, 4, 45, 46; added 46a-46d, re-numbered all sections starting on page 87 and ending with page 106; changed page. 89; added 90e and 90f; changed 99-106; added 106a-b; deleted 107-112; changed 151, 153, 154; added 154a-b; updated index;	PSS*1*136 & PSS*1*117	Besides the developer’s changes, this document incorporates the comments from Lina Bertuzis and colleagues for the PRE functionality included with patch PSS*1*117 (a combined patch with PSS*1*136). Sections changed are: <ul style="list-style-type: none"> • Changed overview of menu item descriptions to match application • Changed menu item description named <i>Drug Interaction Management</i> to <i>Order Check Management</i> and changed text • Changed submenu item <i>Enter/Edit Local Drug Interaction</i> [PSS-INTERACTION-LOCAL-ADD] to <i>Request Changes to Enhanced Order Check Database</i>. [PSS ORDER CHECK CHANGES] and changed text. • Changed example in <i>Report of Locally Entered Interactions</i> option Section deleted: <ul style="list-style-type: none"> • Deleted <i>Enhanced Order Checks Setup Menu</i> and all its sub-menu items (<i>Find Unmapped Local Medication Routes; Map Local Medication Route to Standard; Medication Route Mapping Report; Medication Route File Enter/Edit; Medication Route Mapping History Report; Request Change to Standard Medication Route; Find Unmapped Local Possible Dosages; Map Local Possible Dosages; Local Possible Dosages Report; Strength Mismatch Report; Enter/Edit Dosages; Request Change to Dose Unit; Mark PreMix Solutions; IV Solution Report; Administration Schedule File Report; Medication Instruction File Report</i>)

Date	Revised Pages	Patch Number	Description
			<p>The deleted Enhanced Order Checks Setup Menu and its submenus is replaced by the following addition:</p> <ul style="list-style-type: none"> Added PEPS Services menu and its submenus: <i>Check Vendor Database Link; Check PEPS Services Setup; and Schedule/Reschedule PEPS Interface</i> <p>Added a heading for Stand-Alone Menu Options with the description for the <i>Enable/Disable Vendor Database Link</i> option and a short description for the <i>Other Language Translation Setup</i> option.</p> <p>Added definitions in the glossary for PECS and PEPS, and updated the index.</p> <p>Jim Pollard, Project Manager, Ron Ruzbacki, Bill Tatum, Developers; Marella Colyvas, Technical Writer</p>
04/11	i-ii, 38, 40, 62d-f, 64, 64a	PSS*1*153	<p>Renamed the MED ROUTE field (#.06) of the PHARMACY ORDERABLE ITEM file (#50.7) to be DEFAULT MED ROUTE. Provided the ability to print the POSSIBLE MED ROUTES multiple on the <i>Default Med Route For OI Report</i> [PSS DEF MED ROUTE OI RPT] option.</p> <p>(N. Goyal, PM; E. Phelps, Tech Writer)</p>
02/11	i, 63	PSS*1*142	<p>Added functionality to denote the default med route for IV orders in the selection list in CPRS if all of the orderable items on the order have the same default med route defined. Updated TOC. Released with CPRS version 28.</p> <p>(N. Goyal, PM; E. Phelps/C. Bernier Tech Writers)</p>
06/10	i, iii, 84, 84a-84b, 203, 205-206	PSS*1*143	<p>Added new Schedule Validation Requirements. Updated Index.</p> <p>(R. Singer, DM; B. Thomas, Tech. Writer)</p>
02/10	iii-iv, 3-4, 44a-d, 47-48, 61-62d, 89-90b, 112, 203-206	PSS*1*147	<p>Described new process for requesting changes to Standard Medication Routes and the New Term Rapid Turnaround (NTRT) process;</p> <p>Added <i>IV Additive/Solution Reports</i> menu, with suboptions <i>IV Solution Report</i> option and <i>V Additive Report</i> [PSS IV ADDITIVE REPORT] option</p> <p>Added <i>Default Med Route for OI Report</i> option to the <i>Medication Routes Management...</i> menu. (this change was made but not documented with PSS*1*140)</p> <p>Updated <i>Drug Enter/Edit</i> option to display NUMERIC DOSE and DOSE UNIT fields defined for Local Possible Dosage</p> <p>Updated the Drug Enter/Edit option display to include the new ADDITIVE FREQUENCY field</p> <p>Updated Table of Contents and Index</p> <p>(J. Freese, DM; K. Lowry, Tech. Writer)</p>
10/09	i, 64a-b, 65, 65a-b, 66	PSS*1*141	<p>Added ASSOCIATED IMMUNIZATION field to <i>Edit Orderable Items</i> option and <i>Dispense Drug/Orderable Item Maintenance</i> option. Reorganized content within sections to accommodate new information.</p> <p>(R. Singer, DM; D. Dertien/R. Silverman, Tech. Writer)</p>
08/09	iii-iv, 53, 62a-b, 63, 81, 203	PSS*1*140	<p>Added DEFAULT MED ROUTE FOR CPRS field and <i>Default Med Route For OI Report</i> [PSS DEF MED ROUTE OI RPT] option for the enhancement of default medication</p>

Date	Revised Pages	Patch Number	Description
			route being defined for an orderable item. (G. Tucker, PM; S. B. Scudder, Tech. Writer)
07/09	27-34	PSS*1*131	Added explanations of DEA special handling code U for sensitive drug. (M. Anthony, PM; C. Liles, Tech. Writer)
05/09	81	PSS*1*137	Added Automate CPRS Refill field to the <i>Pharmacy System Parameters Edit</i> [PSS MGR] option. (G. Tucker, PM; S. B. Scudder, Tech. Writer)
02/09	All	PSS*1*129	Pages renumbered to accommodate added pages. Pharmacy Reengineering (PRE) V.0.5 Pre-Release. Restructured <i>Pharmacy Data Management</i> menu: - Grouped related options under the following new sub-menus: <i>Drug Text Management, Medication Instruction Management, Medication Routes Management, and Standard Schedule Management</i> - Added temporary <i>Enhanced Order Checks Setup Menu</i> - Added the following options: <i>Find Unmapped Local Medication Routes, Find Unmapped Local Possible Dosages, Map Local Medication Route to Standard, Map Local Possible Dosages, Mark PreMix Solutions, Request Change to Dose Unit, and Request Change to Standard Medication Route</i> - Added the following reports: <i>Administration Schedule File Report, IV Solution Report, Local Possible Dosages Report, Medication Instruction File Report, Medication Route Mapping Report, Medication Route Mapping History Report, and Strength Mismatch Report</i> - Updated Table of Contents, Index, and Glossary (G. Tucker, PM; V. Howell, Tech. Writer)
09/97			Original Release of User Manual

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Chapter One Pharmacy Data Management Options

The PDM options listed below show the Menu structure following the installation of PSS*1*155, but before installing MOCHA V 1.0 (PSS*1*117). Each of these options is explained in detail later in this user manual.

CMOP Mark/Unmark (Single drug) 
Dosages ...
 Dosage Form File Enter/Edit
 Enter/Edit Dosages
 Most Common Dosages Report
 Noun/Dosage Form Report
 Review Dosages Report
 Local Possible Dosages Report
 Request Change to Dose Unit
Drug Enter/Edit
Drug Interaction Management ...
 Enter/Edit Local Drug Interaction
 Report of Locally Entered Interactions
Electrolyte File (IV)
Lookup into Dispense Drug File
Medication Instruction Management ...
 Medication Instruction File Add/Edit
 Medication Instruction File Report
Medication Routes Management ...
 Medication Route File Enter/Edit
 Medication Route Mapping Report
 Medication Route Mapping History Report
 Request Change to Standard Medication Route
 Default Med Route for OI Report
Orderable Item Management ...
 Edit Orderable Items
 Dispense Drug/Orderable Item Maintenance
 Orderable Item/Dosages Report
 Patient Instructions Report
 Orderable Item Report
Formulary Information Report
Drug Text Management ...
 Drug Text Enter/Edit
 Drug Text File Report
Pharmacy System Parameters Edit
Standard Schedule Management ...
 Standard Schedule Edit
 Administration Schedule File Report
Synonym Enter/Edit

The *CMOP Mark/Unmark (Single drug)* option is displayed before the *Warning Builder* option in the PDM Main Menu. For documentation purposes, it is being left at the beginning of this menu.

*Other Language Translation**
Controlled Substances/PKI Reports ...
Send Entire Drug File to External Interface
Enhanced Order Checks Setup Menu
 Find Unmapped Local Medication Routes
 Map Local Medication Route to Standard
 Medication Route Mapping Report
 Medication Route File Enter/Edit
 Medication Route Mapping History Report
 Request Change to Standard Medication Route
 Find Unmapped Local Possible Dosages
 Map Local Possible Dosages; Local Possible Dosages Report
 Strength Mismatch Report
 Enter/Edit Dosages
 Request Change to Dose Unit
 Mark PreMix Solutions
 IV Solution Report
 Administration Schedule File Report
 Medication Instruction File Report
IV Additive/Solution Reports ...
Warning Builder
Warning Mapping

The PDM options listed below show the Menu structure following the installation of PSS*1*155 and MOCHA V. 1.0 (PSS*1*117).

CMOP Mark/Unmark (Single drug) 

Dosages ...
 Dosage Form File Enter/Edit
 Enter/Edit Dosages
 Most Common Dosages Report
 Noun/Dosage Form Report
 Review Dosages Report
 Local Possible Dosages Report
 Request Change to Dose Unit

Drug Enter/Edit
 Order Check Management
 Request Changes to Enhanced Order Check Database
 Report of Locally Entered Interactions
Electrolyte File (IV)
Lookup into Dispense Drug File
Medication Instruction Management ...
 Medication Instruction File Add/Edit
 Medication Instruction File Report

The *CMOP Mark/Unmark (Single drug)* option is displayed before the *Warning Builder* option in the PDM Main Menu. For documentation purposes, it is being left at the beginning of this menu.

- Medication Routes Management ...*
 - Medication Route File Enter/Edit*
 - Medication Route Mapping Report*
 - Medication Route Mapping History Report*
 - Request Change to Standard Medication Route*
 - Default Med Route for OI Report*
- Orderable Item Management ...*
 - Edit Orderable Items*
 - Dispense Drug/Orderable Item Maintenance*
 - Orderable Item/Dosages Report*
 - Patient Instructions Report*
 - Orderable Item Report*
- Formulary Information Report*
- Drug Text Management ...*
 - Drug Text Enter/Edit*
 - Drug Text File Report*
- Pharmacy System Parameters Edit*
- Standard Schedule Management ...*
 - Standard Schedule Edit*
 - Administration Schedule File Report*
- Synonym Enter/Edit*
- Controlled Substances/PKI Reports*
 - DEA Spec Hdlg & CS Fed Sch Discrepancy*
 - Controlled Substances Not Matched to NDF*
 - CS (DRUGS) Inconsistent with DEA Spec Hdlg*
 - CS (Ord. Item) Inconsistent with DEA Spec Hdlg*
- Send Entire Drug File to External Interface*
- IV Additive/Solution*
 - IV Additive Report*
 - IV Solution Report*
 - Mark PreMix Solutions*
- Warning Builder*
- Warning Mapping*
- PEPS Services Menu*
 - Check Vendor Database Link*
 - Check PEPS Services Setup*
 - Schedule/Reschedule Check PEPS Interface*

NOTE: The *Enhanced Order Checks Setup Menu* added with patch PSS*1*129 will be deleted when Pharmacy Reengineering (PRE) Version 0.5 is installed.

Stand-Alone Menu Options

Enable/Disable Vendor Database Link is a stand-alone option that is to be used **ONLY by technical personnel to turn on/off the database connection if required for debugging. Normally it is enabled and the Vendor Database updates are performed centrally in Austin and Martinsburg, not at the individual sites. This option is rarely used. It is **NOT** exported as part of the main PDM menu [PSS MGR]*

*Other Language Translation Setup is a stand-alone option that must be assigned to the person(s) responsible for maintaining it.

1.2 Dosages

[PSS DOSAGES MANAGEMENT]

The *Dosages* option controls the entering and editing of dosages. The dosages sub-options are explained in more detail below.

1.2.1 Auto Create Dosages

[PSS DOSAGE CONVERSION]

The *Auto Create Dosages* option was removed from the *Dosages* [PSS DOSAGES MANAGEMENT] menu by PSS*1*155.

1.2.2 Dosage Form File Enter/Edit

[PSS DOSAGE FORM EDIT]

The *Dosage Form File Enter/Edit* option provides the ability to edit data in the DOSAGE FORM file (#50.606). Changes made using this option may affect the way CPRS and Outpatient Pharmacy SIGs display and how Local Possible Dosages are created. The Noun entries are used to populate the Local Possible Dosages for DRUG file (#50) entries, when these entries are matched to National Drug File. These Nouns may be package specific (i.e. Outpatient Pharmacy, Inpatient Medications, or both). Entries in this file will be used as default values in the construction of the Outpatient Pharmacy prescription SIG.

The conjunction will be used to provide a connector between the Local Possible Dosage and the strength and units or Dispense Drug name when displaying the dosage list through CPRS. For example, the dosage 1 TEASPOONFUL GUAIFENESIN WITH DEXTROMETHORPHAN SYRUP would display as 1 TEASPOONFUL OF GUAIFENESIN WITH DEXTROMETHORPHAN SYRUP in CPRS after the conjunction “OF” was provided using the *Dosage Form File Enter/Edit* option.

The *Dosage Form File Enter/Edit* option allows the user to associate one or more local medication routes with a dosage form. The user will only be able to select a local medication route that has already been defined in the MEDICATION ROUTES file (#51.2).

The *Dosage Form File Enter/Edit* option allows the user to enter a noun, verb, or preposition in a language other than English. PDM does not translate English terms into another language; instead, it allows the user to enter a translation of a term. If a value has not been entered in the OTHER LANGUAGE VERB, OTHER LANGUAGE PREPOSITION, or OTHER LANGUAGE NOUN fields, PDM defaults to the values entered in the VERB, PREPOSITION, or NOUN fields. If the VERB, PREPOSITION, or NOUN fields do not contain data for the selected item, the system will not display default values for those fields during CPRS or Outpatient Pharmacy prescription order entry processing. However, when building the SIG, Outpatient Pharmacy will default to the values the user input during order entry. See Appendix D for a list of Spanish equivalents for some of the more common dosage forms.

Example: Dosage Form File Enter/Edit

```
Select Dosages Option: DOSage Form File Enter/Edit

Select DOSAGE FORM NAME: TAB

NAME: TAB <Enter>
Select MED ROUTE FOR DOSAGE FORM: ORAL// <Enter>
VERB: TAKE// <Enter>
OTHER LANGUAGE VERB: TOMAR
PREPOSITION: BY// <Enter>
OTHER LANGUAGE PREPOSITION: POR
Select NOUN: TABLET(S)// <Enter>
  NOUN: TABLET(S)// <Enter>
  OTHER LANGUAGE NOUN: TABLETAS// TABLETA(S)
  PACKAGE: Both// <Enter>
Select NOUN: <Enter>
CONJUNCTION: OF// <Enter>
```

1.2.3 Enter/Edit Dosages [PSS EDIT DOSAGES]

The *Enter/Edit Dosages* option allows you to edit Possible Dosages and Local Possible Dosages for a selected Dispense Drug. These dosages may be specified for Inpatient Medications, Outpatient Pharmacy, or both packages.

The BCMA UNITS PER DOSE field is used by Inpatient Medications to populate the Units Per Dose information for Unit Dose orders. This value will determine the number of times a medication must be scanned in order to document a medication administration through Bar Code Medication Administration (BCMA). This field is not required and an entry should be made only when multiple scans through BCMA appear to document erroneous dosages.

The *Enter/Edit Dosages* option allows the user to enter a dosage in a language other than English. PDM does not translate English terms into another language; instead, it allows the user to enter a translation of a term. If a value has not been entered in the OTHER LANGUAGE DOSAGE NAME field, PDM defaults to the value entered in the LOCAL POSSIBLE DOSAGE field. If no values exist in the LOCAL POSSIBLE DOSAGE and OTHER LANGUAGE DOSAGE NAME fields, the system will not display default values for those fields during CPRS or Outpatient Pharmacy prescription order entry processing. However, when building the SIG, Outpatient Pharmacy will default to the value the user input during order entry. See Appendix E for a list of Spanish equivalents for some of the more common Local Possible Dosages.

The NUMERIC DOSE field (#5) and DOSE UNIT field (#4) of the LOCAL POSSIBLE DOSAGES multiple (#904) in DRUG file (#50) are used to breakdown a free text Local Possible Dosage in order to perform dosage checks when that Local Possible Dosage is selected for an eligible drug within an order. When populating the Dose Unit field for a Local Possible Dosage, selection will be from the DOSE UNITS file (#51.24). A Numeric Dose will have to be entered that corresponds to the Dose Unit selected. No auto population is provided. If any of the following conditions can be determined at the time of entry, the Numeric Dose and Dose Unit fields for any defined Local Possible Dosage will not be displayed for data entry.

- Drug associated with a dosage form that is excluded from dosage checks and the VA Product that the drug is matched to has the OVERRIDE DF DOSE CHK EXCLUSION field set to 'No'
- Drug associated with a dosage form that is NOT excluded from dosage checks, but the VA Product that it is matched to has the OVERRIDE DF DOSE CHK EXCLUSION field set to 'Yes'
- Drug is marked as a supply item ('S' in DEA, SPECIAL HDLG field or assigned a VA Drug Class starting with an 'XA')

Although ineligible for dosage checks, when editing a Local Possible Dosage for an inactive drug or a drug not matched to NDF, the Numeric Dose and Dose Unit fields will be displayed to the user for data entry.

A warning will be displayed if the DRUG file strength does not match the VA Product strength to which it is matched.

Example 1: Enter/Edit Dosages

```
Select DRUG GENERIC NAME:      ACETAMINOPHEN 120MG/5ML LIQUID      CN103
...OK? Yes//      (Yes)

*****

This entry is marked for the following PHARMACY packages:
  Outpatient
  Unit Dose
  Non-VA Med

GENERIC NAME: ACETAMINOPHEN 120MG/5ML LIQUID  Replace
VA CLASSIFICATION: CN103//
DEA, SPECIAL HDLG: 9//
DAW CODE:

NATIONAL FORMULARY INDICATOR: YES
LOCAL NON-FORMULARY:
VISN NON-FORMULARY:
Select DRUG TEXT ENTRY:
Select FORMULARY ALTERNATIVE:
Select SYNONYM: 000054301050//
  SYNONYM: 000054301050//
  INTENDED USE: DRUG ACCOUNTABILITY//
  NDC CODE: 000054-3010-50//
Select SYNONYM:
MESSAGE:
RESTRICTION:
FSN:
NDC: 00904-1985-16//
INACTIVE DATE:

WARNING LABEL SOURCE is 'NEW'.
The following WARNING LABEL may continue to be used for a limited time for some
external interfaces.
WARNING LABEL: 8//

Current Warning labels for ACETAMINOPHEN 120MG/5ML LIQUID
Labels will print in the order in which they appear for local and CMOP fills:

8N  Do not drink alcoholic beverages when taking this medication.

66N This medicine contains ACETAMINOPHEN.Taking more ACETAMINOPHEN than
```

recommended may cause serious liver problems.

70N Do not take other ACETAMINOPHEN containing products at the same time without first checking with your doctor. Check all medicine labels carefully.

Pharmacy fill card display: DRUG WARNING 8N,66N,70N

NOTE: Because the NEW WARNING LABEL LIST field is empty, the warnings above are the warnings that our national data source distributes for this drug.

Would you like to edit this list of warnings? N// O

ORDER UNIT: BT//

PRICE PER ORDER UNIT: 2//

DISPENSE UNIT: ML//

DISPENSE UNITS PER ORDER UNIT: 480//

NCPDP DISPENSE UNIT: MILLILITERS//

NCPDP QUANTITY MULTIPLIER: 1//

PRICE PER DISPENSE UNIT: 0.0042

points to ACETAMINOPHEN 160MG/5ML ELIXIR in the National Drug file.

This drug has already been matched and classified with the National Drug file. In addition, if the dosage form changes as a result of rematching, you will have to match/rematch to Orderable Item.

Do you wish to match/rematch to NATIONAL DRUG file? No// (No)
Just a reminder...you are editing ACETAMINOPHEN 120MG/5ML LIQUID.

Strength from National Drug File match => 160 MG/5ML
Strength currently in the Drug File => 120

Please note: Strength of drug does not match strength of VA Product it is matched to.

Press Return to Continue:

Strength => 120 Unit =>

POSSIBLE DOSAGES:

DISPENSE UNITS PER DOSE: 1	DOSE: 120MG/3.75ML	PACKAGE: I
DISPENSE UNITS PER DOSE: 2	DOSE: 240MG/7.5ML	PACKAGE: I

LOCAL POSSIBLE DOSAGES:

LOCAL POSSIBLE DOSAGE: 1 TEASPOONFUL	PACKAGE: IO
LOCAL POSSIBLE DOSAGE: 2 TEASPOONSFUL	PACKAGE: IO
LOCAL POSSIBLE DOSAGE: 1 TABLESPOONFUL	PACKAGE: O
LOCAL POSSIBLE DOSAGE: 2 TABLESPOONSFUL	PACKAGE: IO

Do you want to edit the dosages? N// YES

Changing the strength will update all possible dosages for this Drug.

STRENGTH: 120//

Select DISPENSE UNITS PER DOSE:

Strength: 120 Unit: MG/5ML

Select LOCAL POSSIBLE DOSAGE: 1 TEASPOONFUL IO

LOCAL POSSIBLE DOSAGE: 1 TEASPOONFUL//

OTHER LANGUAGE DOSAGE NAME:

PACKAGE: Both//

BCMA UNITS PER DOSE:

DOSE UNIT: MILLIGRAM(S)//
NUMERIC DOSE: 120//

<< Fields displayed when drug eligible for dosage check

Strength: 120

Unit: MG/5ML

```

Select LOCAL POSSIBLE DOSAGE:

*****
This entry is marked for the following PHARMACY packages:
  Outpatient
  Unit Dose
  Non-VA Med

MARK THIS DRUG AND EDIT IT FOR:
O - Outpatient
U - Unit Dose
I - IV
W - Ward Stock
D - Drug Accountability
C - Controlled Substances
X - Non-VA Med
A - ALL

Enter your choice(s) separated by commas : ^

** You are NOW in the ORDERABLE ITEM matching for the dispense drug. **

ACETAMINOPHEN 120MG/5ML LIQUID is already matched to

      ACETAMINOPHEN ELIXIR

Do you want to match to a different Orderable Item? NO//

Select DRUG GENERIC NAME:

```

Example 2: Enter/Edit Dosages Create a Local Possible Dosage

```

Select Dosages Option: Enter/Edit Dosages

Select Drug: GUAIFENESIN 100MG/5ML SYRUP          RE302          DISP BY ML(120
ML MAX/NON-REFILLABLE)mpr 1BT=120ML *OTC DRUG*      $ 6/02

This entry is marked for the following PHARMACY packages:
  Outpatient
  Unit Dose
  Non-VA Med

GUAIFENESIN 100MG/5ML SYRUP                          Inactive Date:

Strength from National Drug File match => 100      MG/5ML
Strength currently in the Drug File    => 100

Edit Strength? N// <Enter>0

Strength => 100    Unit =>

Select DISPENSE UNITS PER DOSE: ?
  Answer with POSSIBLE DOSAGES DISPENSE UNITS PER DOSE
  Choose from:
  1      100      I
  2      200      I

  You may enter a new POSSIBLE DOSAGES, if you wish
  Type a Number between 0 and 99999999, 4 Decimal Digits

Select DISPENSE UNITS PER DOSE: <Enter>

This drug has the following Local Possible Dosages:

2 TEASPOONFULS                                     PACKAGE: O
10 MLS                                               PACKAGE: I

Do you want to merge new Local Possible Dosages? Y// <Enter> YES

```

```

Setting Local Possible Dosages..

Strength: 100                      Unit: MG/5ML

Select LOCAL POSSIBLE DOSAGE: 2 TEASPOONFULS  O

LOCAL POSSIBLE DOSAGE: 2 TEASPOONFULS// <Enter>
OTHER LANGUAGE DOSAGE NAME: 2 CUCHARADITAS
PACKAGE: Outpatient// <Enter>
DOSE UNIT: MILLIGRAM(S)
NUMERIC DOSE: 200
Strength: 100                      Unit: MG/5ML

```

Example 3: Enter/Edit Dosages Editing the Dispense Units Per Dose

```

Select Dosages Option: Enter/Edit Dosages

Select Drug: PROPR
  1  PROPRANOLOL 10MG S.T.          CV100
  2  PROPRANOLOL 40MG S.T.          CV100
  3  PROPRANOLOL 80MG S.T.          CV100
  4  PROPRANOLOL TABS,80MG.PINACIDIL STUDY          STUDY DRUG

CHOOSE 1-4: 2  PROPRANOLOL 40MG S.T.          CV100

This entry is marked for the following PHARMACY packages:
Outpatient
Unit Dose
Non-VA Med

PROPRANOLOL 40MG S.T.                Inactive Date:

Strength from National Drug File match => 40  MG
Strength currently in the Drug File    => 40  MG
Edit Strength? N// <Enter> 0

Strength => 40  Unit => MG

Select DISPENSE UNITS PER DOSE: 0.5
Are you adding '.5' as a new POSSIBLE DOSAGES (the 3RD for this DRUG)? No// Y
(Yes)
Dosage = 20MG
POSSIBLE DOSAGES DOSE: 20// (No Editing) <Enter>

DISPENSE UNITS PER DOSE: 0.5// <Enter>
PACKAGE: IO <Enter>
BCMA UNITS PER DOSE: <Enter>

Strength => 40  Unit => MG

Select DISPENSE UNITS PER DOSE: <Enter>

Enter/Edit Local Possible Dosages? N// <Enter> 0

Select Drug:

```

Example 4: Enter/Edit Dosages Creating Possible Dosages

```
Select Dosages Option: Enter/Edit Dosages

Select Drug: GRISEOFULVIN 500MG S.T.                    AM700

This entry is marked for the following PHARMACY packages:
Outpatient
Unit Dose
Non-VA Med

GRISEOFULVIN 500MG S.T.                                    Inactive Date:

This drug can have Possible Dosages, but currently does not have any.

Create Possible Dosages for this drug? N// ?

This drug meets the criteria to have Possible Dosages, but it currently does
not have any. If you answer 'YES', Possible Dosages will be created for this
drug, based on the match to the National Drug File.

Create Possible Dosages for this drug? N// YES

Resetting Possible Dosages..

Press Return to continue: <Enter>

Strength from National Drug File match => 500      MG
Strength currently in the Drug File      => 500      MG

Edit Strength? N// <Enter>  0

Strength => 500    Unit => MG

Select DISPENSE UNITS PER DOSE: ?
  Answer with POSSIBLE DOSAGES DISPENSE UNITS PER DOSE
  Choose from:
  1     500     IO
  2    1000     IO

      You may enter a new POSSIBLE DOSAGES, if you wish
      Type a Number between 0 and 99999999, 4 Decimal Digits

Select DISPENSE UNITS PER DOSE: <Enter>

Enter/Edit Local Possible Dosages? N// <Enter>  0

Select Drug:
```

Example 5: Enter/Edit Dosages Strength Mismatch

```
Select Dosages Option:  Enter/Edit Dosages

Select Drug:  ACETAMINO
  1  ACETAMINOPHEN 1000MG TABLET          CN100
  2  ACETAMINOPHEN 325MG C.T.             CN103      ** OK 90 DAY SUPPLY **
  3  ACETAMINOPHEN 325MG TABLET         CN103      INFECTIOUS DISEASE
      RESTRICTED TO
  4  ACETAMINOPHEN 650MG SUPPOS.         CN103
  5  ACETAMINOPHEN ELIX. 120MG/5ML 4OZ   CN103

Press <ENTER> to see more, '^' to exit this list, OR
CHOOSE 1-5:  5  ACETAMINOPHEN ELIX. 120MG/5ML 4OZ   CN103

This entry is marked for the following PHARMACY packages:
Outpatient
Unit Dose
Non-VA Med

ACETAMINOPHEN ELIX. 120MG/5ML 4OZ          Inactive Date:

Strength from National Drug File match => 160   MG/5ML
Strength currently in the Drug File   => 120

Please Note: Strength of drug does not match strength of VA Product it is matched to.

Press Return to Continue:  <ENTER>

Edit Strength? N// <ENTER> 0

Strength => 120   Unit =>

Select DISPENSE UNITS PER DOSE: <ENTER>

Strength: 120          Unit: MG/5ML

Select LOCAL POSSIBLE DOSAGE: ?
  You may enter a new LOCAL POSSIBLE DOSAGE, if you wish
  Answer must be 1-60 characters in length.

Select LOCAL POSSIBLE DOSAGE: ONE TEASPOONFUL
  Are you adding 'ONE TEASPOONFUL' as
  a new LOCAL POSSIBLE DOSAGE (the 1ST for this DRUG)? No// Y (Yes)

LOCAL POSSIBLE DOSAGE: ONE TEASPOONFUL// <ENTER>
OTHER LANGUAGE DOSAGE NAME: <ENTER>
PACKAGE: 0 Outpatient
DOSE UNIT: MILLIGRAM(S)
NUMERIC DOSE: 120

Strength: 120          Unit: MG/5ML

Select LOCAL POSSIBLE DOSAGE: <ENTER>

Select Drug:
```

Example 6: Enter/Edit Dosages Drug not eligible for dosage checks (Dose Unit & Numeric Dose fields not displayed)

```
Select Dosages Option: ENTER/EDIT Dosages

Select Drug: HYDROCORTISONE
 1  HYDROCORTISONE 0.5% CR          DE200
 2  HYDROCORTISONE 1% CREAM        DE200
 3  HYDROCORTISONE 1% CREAM (PKT)  DE200
 4  HYDROCORTISONE 1% LOTION        DE200
 5  HYDROCORTISONE 1% OINT          DE200
Press <RETURN> to see more, '^' to exit this list, OR
CHOOSE 1-5: 2  HYDROCORTISONE 1% CREAM        DE200

This entry is marked for the following PHARMACY packages:
Outpatient
Unit Dose
Non-VA Med

HYDROCORTISONE 1% CREAM                      Inactive Date:

This drug has the following Local Possible Dosages:

SMALL AMOUNT                                PACKAGE: IO
MODERATE AMOUNT                             PACKAGE: IO
LIBERAL AMOUNT                              PACKAGE: IO

Do you want to merge new Local Possible Dosages? Y// NO

Strength: 1                                Unit: %

Select LOCAL POSSIBLE DOSAGE: SMALL AMOUNT   IO

LOCAL POSSIBLE DOSAGE: SMALL AMOUNT// <ENTER>
PACKAGE: Both// <ENTER>
BCMA UNITS PER DOSE: <ENTER>

Strength: 1                                Unit: %

Select LOCAL POSSIBLE DOSAGE:
```

Patch PSS*1*155 addresses supra-therapeutic and sub-therapeutic dosages. A supra-therapeutic dosage is one that far exceeds the normal therapeutic range. A sub-therapeutic dosage is one that is far below the normal therapeutic range. Certain drugs with an automatically calculated dosage of one time or two times the base strength that is supra- or sub-therapeutic will be adjusted to not auto-create those default possible dosages. Such changes will be distributed during the Monthly NDF Updates. PSS*1*155 uses the three new fields that were added to the VA PRODUCT file (#50.68) by PSN*4*261 to prevent the inadvertent creation of supra-therapeutic possible dosages for high risk medications during the dosage creation segment of Pharmacy Data Management and National Drug File updates. These fields will be used during the Match/Rematch process of the *Enter/Edit Dosages* [PSS EDIT DOSAGES] option to determine if possible dosages should be auto-created or not. The three fields are:

- CREATE DEFAULT POSSIBLE DOSAGE field (#40)
- POSSIBLE DOSAGES TO CREATE field (#41)
- PACKAGE field (#42)

When CREATE DEFAULT POSSIBLE DOSAGE field is “YES”, then the existing functionality of auto-creating possible dosages will apply. When this field is “NO”, it will be used in

combination with the value in POSSIBLE DOSAGES TO CREATE field to determine the auto-creation of possible dosages.

The following conditions will apply when CREATE DEFAULT POSSIBLE DOSAGE field is “NO”:

- If POSSIBLE DOSAGES TO CREATE field is “NO”, no possible dosages will be auto-created and the following message will be displayed:
“Due to National Drug File settings no possible dosages were auto-created.”
- If POSSIBLE DOSAGES TO CREATE field is "O", 1x possible dosage will be auto-created for the package specified by the new PACKAGE field and the following message will be displayed:
“Due to National Drug File settings only one possible dosage will be auto-created. If other dosages are needed, create POSSIBLE DOSAGES or LOCAL POSSIBLE DOSAGES as appropriate.”
- If POSSIBLE DOSAGES TO CREATE field is “B”, 1x and 2x possible dosages will be auto-created for the package specified by the new PACKAGE field and the following message will be displayed:
“Due to National Drug File settings TWO possible dosages were auto-created.”

Example 1: Supra-Therapeutic Drugs – Enter/Edit Dosages – Messages displayed when Create Default Possible Dosage is No and Possible Dosages To Create is No in the National Drug File

Select Dosages Option: Enter/Edit Dosages

Select Drug: NIACIN 100MG TAB VT103

This entry is marked for the following PHARMACY packages:

Outpatient
Unit Dose
Non-VA Med

NIACIN 100MG TAB

Inactive Date:

This drug can have Possible Dosages, but currently does not have any.

This drug has been set within the National Drug File to not auto create possible dosages.

Do you want to manually enter possible dosages? N// ?

This drug meets the criteria to have Possible Dosages, but it currently does not have any. If you answer 'YES', Possible Dosages can be manually entered for this drug.

Do you want to manually enter possible dosages? N// YES

Strength from National Drug File match => 100 MG
Strength currently in the Drug File => 100 MG

Edit Strength? N// 0

Strength => 100 Unit =>

Select DISPENSE UNITS PER DOSE: ?

You may enter a new POSSIBLE DOSAGES, if you wish
Type a Number between 0 and 99999999, 4 Decimal Digits

Select DISPENSE UNITS PER DOSE:

<< Prompt displayed
when no possible
dosages were auto-
created

Example 2: Supra-Therapeutic Drugs – Enter/Edit Dosages – Messages displayed when resetting possible dosages, when Create Default Possible Dosage is No and Possible Dosages To Create is O in the National Drug File

```
Select Drug:      NIACIN 100MG TAB          VT103

This entry is marked for the following PHARMACY packages:
Outpatient
Unit Dose
Non-VA Med

NIACIN 100MG TAB                               Inactive Date:

This drug can have Possible Dosages, but currently does not have any.

This drug has been set within the National Drug File to auto create only one possible dosage.

Create Possible Dosages for this drug? N// YES

Resetting Possible Dosages..

Due to National Drug File settings only ONE possible dosage was auto- created. If other dosages
are needed, create POSSIBLE DOSAGES or LOCAL POSSIBLE DOSAGES as appropriate

Press Return to continue:

Strength from National Drug File match => 100      MG
Strength currently in the Drug File    => 100      MG

Edit Strength? N// O

Strength => 100      Unit => MG

Select DISPENSE UNITS PER DOSE: ?
  Answer with POSSIBLE DOSAGES DISPENSE UNITS PER DOSE
  Choose from:
  1      100      IO

  You may enter a new POSSIBLE DOSAGES, if you wish
  Type a Number between 0 and 99999999, 4 Decimal Digits

Select DISPENSE UNITS PER DOSE:
```

Example 3: Supra-Therapeutic Drugs – Enter/Edit Dosages – Messages displayed when resetting possible dosages, when Create Default Possible Dosage is No and Possible Dosages To Create is B in the National Drug File

```
Select Drug:      NIACIN 100MG TAB          VT103

This entry is marked for the following PHARMACY packages:
Outpatient
Unit Dose
Non-VA Med

NIACIN 100MG TAB                               Inactive Date:

This drug can have Possible Dosages, but currently does not have any.

This drug has been set within the National Drug File to auto create two possible dosages.

Create Possible Dosages for this drug? N// YES

Resetting Possible Dosages..

Due to National Drug File settings TWO possible dosages were auto-created.

Press Return to continue:

Strength from National Drug File match => 100    MG
Strength currently in the Drug File    => 100    MG

Edit Strength? N// O

Strength => 100    Unit => MG

Select DISPENSE UNITS PER DOSE: ?
  Answer with POSSIBLE DOSAGES DISPENSE UNITS PER DOSE
  Choose from:
  1    100    IO
  2    200    IO

  You may enter a new POSSIBLE DOSAGES, if you wish
  Type a Number between 0 and 99999999, 4 Decimal Digits

Select DISPENSE UNITS PER DOSE:
```

Example 2: Editing Additive Frequency for IV Additive

```
Select Pharmacy Data Management Option:  Drug Enter/Edit

Select DRUG GENERIC NAME:    CIMETIDINE 150MG/ML MDV INJ (8ML)          GA301

    ...OK? Yes// <ENTER>  (Yes)
*****
This entry is marked for the following PHARMACY packages:
  IV
  Ward Stock
GENERIC NAME: CIMETIDINE 150MG/ML MDV INJ (8ML) Replace <ENTER>
VA CLASSIFICATION: GA301// <ENTER>
DEA, SPECIAL HDLG: <ENTER>
DAW CODE: <ENTER>
.
.
.

*****
This entry is marked for the following PHARMACY packages:
  IV
  Ward Stock

MARK THIS DRUG AND EDIT IT FOR:
O - Outpatient
U - Unit Dose
I - IV
W - Ward Stock
D - Drug Accountability
C - Controlled Substances
X - Non-VA Med
A - ALL

Enter your choice(s) separated by commas : I
                                          I - IV

** You are NOW editing IV fields. **

AN IV ITEM? Yes// <ENTER>  (Yes)
Edit Additives or Solutions:

    Select one of the following:

        A          ADDITIVES
        S          SOLUTIONS

Enter response: ADDITIVES
Select IV SOLUTIONS PRINT NAME:    CIMETIDINE

PRINT NAME: CIMETIDINE// <ENTER>
GENERIC DRUG: CIMETIDINE 150MG/ML MDV INJ (8ML)// <ENTER>
USED IN IV FLUID ORDER ENTRY: YES// <ENTER>
DRUG UNIT: MG// <ENTER>
NUMBER OF DAYS FOR IV ORDER: <ENTER>
USUAL IV SCHEDULE: <ENTER>
ADMINISTRATION TIMES: <ENTER>
Select QUICK CODE: <ENTER>
AVERAGE DRUG COST PER UNIT: <ENTER>
Select ELECTROLYTE: <ENTER>
Select SYNONYM: <ENTER>
DRUG INFORMATION: <ENTER>
  1>
INACTIVATION DATE: <ENTER>
CONCENTRATION: <ENTER>
MESSAGE: <ENTER>
ADDITIVE FREQUENCY: ALL BAGS// <ENTER>
Edit Additives or Solutions: <ENTER>

    Select one of the following:
```

A	ADDITIVES
S	SOLUTIONS

Enter response:

Patch PSS*1*155 addresses supra-therapeutic and sub-therapeutic dosages. A supra-therapeutic dosage is one that far exceeds the normal therapeutic range. A sub-therapeutic dosage is one that is far below the normal therapeutic range. Certain drugs with an automatically calculated dosage of one time or two times the base strength that is supra- or sub-therapeutic will be adjusted to not auto-create those default possible dosages. Such changes will be distributed during the Monthly NDF Updates. PSS*1*155 uses the three new fields added to the VA PRODUCT file (#50.68) by PSN*4*261 to prevent the inadvertent creation of supra-therapeutic possible dosages for high risk medications during the dosage creation segment of Pharmacy Data Management and National Drug File updates. These fields will be used during the Match/Rematch process of the *Drug Enter/Edit* [PSS DRUG ENTER/EDIT] option to determine if possible dosages should be auto-created or not. The three fields are:

- CREATE DEFAULT POSSIBLE DOSAGE field (#40)
- POSSIBLE DOSAGES TO CREATE field (#41)
- PACKAGE field (#42)

When CREATE DEFAULT POSSIBLE DOSAGE field is “YES”, then the existing functionality of auto-creating possible dosages will be retained. When this field is “NO”, it will be used in combination with the value in POSSIBLE DOSAGES TO CREATE field to determine the auto-creation of possible dosages.

Example 1: Supra-Therapeutic Drugs – Drug Enter/Edit – Message displayed when Create Default Possible Dosage is Yes and no possible dosages auto-created

```

Do you wish to match/rematch to NATIONAL DRUG file? No// YES (Yes)
Deleting Possible Dosages...

Match local drug  INSULIN NPH U-100 INJ
                                ORDER UNIT: VI
                                DISPENSE UNITS/ORDER UNITS: 1
                                DISPENSE UNIT:
I will try to match NDC:  2-8310-01  to NDF.
  I will attempt to match the NDCs from your SYNONYMS.
  ORDER UNIT: VI
Match made with INSULIN NPH U-100 INJ
Now select VA Product Name

18 INSULIN NPH HUMAN 100 U/ML INJ HUMULIN N    INJ HS501 I0160
19 INSULIN NPH HUMAN 100 U/ML INJ INNOLET 3ML  INJ HS501 I0356
20 INSULIN NPH HUMAN 100 U/ML INJ NOVOLIN N    INJ HS501 I0161
Enter your choice or press return to continue: 18
  Is this a match < Reply Y, N or press return to continue > :  y
CHOOSE FROM:
  1   10 ML  VIAL
  2   OTHER OTHER
Enter Package Size & Type Combination: 1

Local drug INSULIN NPH U-100 INJ
matches   INSULIN NPH HUMAN 100 U/ML INJ HUMULIN N
PACKAGE SIZE: 10 ML
PACKAGE TYPE: VIAL

< Enter "Y" for yes >
< Enter "N" for no >                               OK? :  Y

LOCAL DRUG NAME: INSULIN NPH U-100 INJ

```

Example 1: Supra-Therapeutic Drugs – Drug Enter/Edit – Message displayed when Create Default Possible Dosage is Yes and no possible dosages auto-created (continued)

```
ORDER UNIT: VI
DISPENSE UNITS/ORDER UNITS: 1
DISPENSE UNIT:

VA PRODUCT NAME: INSULIN NPH HUMAN 100 U/ML INJ HUMULIN N
VA PRINT NAME: INSULIN NPH HUMAN 100 UNIT/ML HUMULIN N   CMOP ID: I0160
VA DISPENSE UNIT: VI                                     MARKABLE FOR CMOP: YES
    PACKAGE SIZE: 10 ML
    PACKAGE TYPE: VIAL
VA CLASS: HS501   INSULIN
CS FEDERAL SCHEDULE:
INGREDIENTS:
    INSULIN,NPH,HUMAN/rDNA 100 UNT/ML
NATIONAL FORMULARY INDICATOR: NO
NATIONAL FORMULARY RESTRICTION:

< Enter "Y" for yes, "N" for no >

    Is this a match ? Y

You have just VERIFIED this match and MERGED the entry.

Resetting Possible Dosages..

Press Return to continue:
Just a reminder...you are editing INSULIN NPH U-100 INJ.

Strength from National Drug File match => 100    UNT/ML
Strength currently in the Drug File    => 100

Strength => 100    Unit =>

Press Return to continue, '^' to exit:

POSSIBLE DOSAGES:

LOCAL POSSIBLE DOSAGES:

Due to National Drug File settings no possible dosages were auto-created.
Do you want to manually enter possible dosages? N// YES

Changing the strength will update all possible dosages for this Drug.

STRENGTH: 100//

Select DISPENSE UNITS PER DOSE: ?

    You may enter a new POSSIBLE DOSAGES, if you wish
    Type a Number between 0 and 99999999, 4 Decimal Digits

Select DISPENSE UNITS PER DOSE: 1
Are you adding '1' as a new POSSIBLE DOSAGES (the 1ST for this DRUG)? No// Y
(Yes)
Dosage = 100
    POSSIBLE DOSAGES DOSE: 100//    (No Editing)

DISPENSE UNITS PER DOSE: 1// 0.1
PACKAGE: IO
BCMA UNITS PER DOSE:

Select DISPENSE UNITS PER DOSE:
```

The prompt “Do you want to manually enter possible dosages? N//” is displayed only when no possible dosages were auto-created.

Example 2: Supra-Therapeutic Drugs – Drug Enter/Edit – Message displayed when Create Default Possible Dosage is Yes and 1 possible dosage auto-created

```
Do you wish to match/rematch to NATIONAL DRUG file? No// YES (Yes)

Deleting Possible Dosages...

Match local drug LOMUSTINE 100MG CAP
                                ORDER UNIT: BT
                                DISPENSE UNITS/ORDER UNITS: 20
                                DISPENSE UNIT:
I will try to match NDC: 15-3032-20 to NDF.

Local drug LOMUSTINE 100MG CAP
matches LOMUSTINE 100MG CAP
PACKAGE SIZE: 20
PACKAGE TYPE: BOTTLE
    Is this a match ?
Enter Yes or No: YES// YES

LOCAL DRUG NAME: LOMUSTINE 100MG CAP
                                ORDER UNIT: BT
                                DISPENSE UNITS/ORDER UNITS: 20
                                DISPENSE UNIT:

VA PRODUCT NAME: LOMUSTINE 100MG CAP
VA PRINT NAME: LOMUSTINE 100MG CAP
VA DISPENSE UNIT: CAP
    PACKAGE SIZE: 20
    PACKAGE TYPE: BOTTLE
VA CLASS: AN100 ANTINEOPLASTICS,ALKYLATING AGENTS
CS FEDERAL SCHEDULE:
INGREDIENTS:
    LOMUSTINE 100 MG
NATIONAL FORMULARY INDICATOR: YES
NATIONAL FORMULARY RESTRICTION:

< Enter "Y" for yes, "N" for no >

    Is this a match ? Y

You have just VERIFIED this match and MERGED the entry.

Resetting Possible Dosages..

Press Return to continue:
Just a reminder...you are editing LOMUSTINE 100MG CAP.

Strength from National Drug File match => 100    MG
Strength currently in the Drug File    => 100    MG

Strength => 100    Unit => MG

Press Return to continue, '^' to exit:

POSSIBLE DOSAGES:
    DISPENSE UNITS PER DOSE: 1            DOSE: 100MG    PACKAGE: IO

LOCAL POSSIBLE DOSAGES:
```

Due to National Drug File settings only ONE possible dosage was auto-created. If other dosages are needed, create POSSIBLE DOSAGES or LOCAL POSSIBLE DOSAGES as appropriate.

```
Do you want to edit the dosages? N// YES

Changing the strength will update all possible dosages for this Drug.
```

Example 2: Supra-Therapeutic Drugs – Drug Enter/Edit – Message displayed when Create Default Possible Dosage is Yes and 1 possible dosage auto-created (continued)

```
STRENGTH: 100//  
  
Select DISPENSE UNITS PER DOSE: ?  
Answer with POSSIBLE DOSAGES DISPENSE UNITS PER DOSE  
Choose from:  
1      100      IO  
  
You may enter a new POSSIBLE DOSAGES, if you wish  
Type a Number between 0 and 99999999, 4 Decimal Digits  
  
Select DISPENSE UNITS PER DOSE:
```

Example 3: Supra-Therapeutic Drugs – Drug Enter/Edit – Message displayed when Create Default Possible Dosage is Yes and 2 possible dosages auto-created

```
Do you wish to match/rematch to NATIONAL DRUG file? No// Y (Yes)  
  
Deleting Possible Dosages...  
  
Match local drug  DACARBAZINE 200MG INJ  
                                ORDER UNIT: BX  
                                DISPENSE UNITS/ORDER UNITS: 12  
                                DISPENSE UNIT:  
I will try to match NDC:  26-8151-20  to NDF.  
  
Local drug DACARBAZINE 200MG INJ  
matches   DACARBAZINE 200MG/VIL INJ  
PACKAGE SIZE: 12 X 200 MG  
PACKAGE TYPE: VIAL  
            Is this a match ?  
Enter Yes or No: YES// YES  
  
LOCAL DRUG NAME: DACARBAZINE 200MG INJ  
                                ORDER UNIT: BX  
                                DISPENSE UNITS/ORDER UNITS: 12  
                                DISPENSE UNIT:  
  
VA PRODUCT NAME: DACARBAZINE 200MG/VIL INJ          MARKABLE FOR CMOP: NOT  
MARKED  
    PACKAGE SIZE: 12 X 200 MG  
    PACKAGE TYPE: VIAL  
VA CLASS: AN900  ANTINEOPLASTIC,OTHER  
CS FEDERAL SCHEDULE:  
INGREDIENTS:  
    DACARBAZINE 200  
NATIONAL FORMULARY INDICATOR: YES  
NATIONAL FORMULARY RESTRICTION:  
  
< Enter "Y" for yes, "N" for no >  
  
    Is this a match ? Y  
  
You have just VERIFIED this match and MERGED the entry.  
  
Resetting Possible Dosages..  
  
Press Return to continue:  
Just a reminder...you are editing DACARBAZINE 200MG INJ.  
  
Strength from National Drug File match => 200      MG/VIAL  
Strength currently in the Drug File    => 200
```

Example 3: Supra-Therapeutic Drugs – Drug Enter/Edit – Message displayed when Create Default Possible Dosage is Yes and 2 possible dosages auto-created (continued)

```
Strength => 200    Unit =>

Press Return to continue, '^' to exit:

POSSIBLE DOSAGES:
  DISPENSE UNITS PER DOSE: 1          DOSE: 200MG/1VIAL    PACKAGE: IO
  DISPENSE UNITS PER DOSE: 2          DOSE: 400MG/2VIAL    PACKAGE: IO

LOCAL POSSIBLE DOSAGES:

Due to National Drug File settings TWO possible dosages were auto-created.

Do you want to edit the dosages? N//
```

The following conditions will apply when CREATE DEFAULT POSSIBLE DOSAGE field is “NO”:

- If POSSIBLE DOSAGES TO CREATE field is “NO”, no possible dosages will be auto-created and the following message will be displayed:
“This drug has been set within the National Drug File to not auto create possible dosages.”
- If POSSIBLE DOSAGES TO CREATE field is "O", 1x possible dosage will be auto-created for the package specified by the new PACKAGE field and the following message will be displayed:
“This drug has been set within the National Drug File to auto create only one possible dosage.”
- If POSSIBLE DOSAGES TO CREATE field is “B”, 1x and 2x possible dosages will be auto-created for the package specified by the new PACKAGE field and the following message will be displayed:
“This drug has been set within the National Drug File to auto create two possible dosages.”

Example 4: Supra-Therapeutic Drugs – Drug Enter/Edit -- Message displayed when NDF is set to not auto-create Possible Dosages

```
Do you wish to match/rematch to NATIONAL DRUG file? No//    (No)
Just a reminder...you are editing LOMUSTINE 10MG CAP

Strength from National Drug File match => 10    MG
Strength currently in the Drug File    => 10    MG

Strength => 10    Unit => MG

POSSIBLE DOSAGES:

LOCAL POSSIBLE DOSAGES:

This drug has been set within the National Drug File to not auto create possible dosages.

Do you want to manually enter possible dosages? N//
```

Example 5: Supra-Therapeutic Drugs – Drug Enter/Edit -- Message displayed when NDF is set to auto-create 1 Possible Dosage

```
Do you wish to match/rematch to NATIONAL DRUG file? No// (No)
Just a reminder...you are editing LOMUSTINE 10MG CAP

This drug can have Possible Dosages, but currently does not have any.

This drug has been set within the National Drug File to auto create only one
possible dosage.

Create Possible Dosages for this drug? N// YES

Resetting Possible Dosages..

Due to National Drug File settings only ONE possible dosage was auto-created. If other dosages
are needed, create POSSIBLE DOSAGES or LOCAL POSSIBLE DOSAGES as appropriate.

Press Return to continue:

Strength from National Drug File match => 10    MG
Strength currently in the Drug File    => 10    MG

Strength => 10    Unit => MG

POSSIBLE DOSAGES:
DISPENSE UNITS PER DOSE: 1            DOSE: 10 MG            PACKAGE: IO

LOCAL POSSIBLE DOSAGES:
```

This drug has been set within the National Drug File to auto create only one possible dosage.
Do you want to edit the dosages? N//

Example 6: Supra-Therapeutic Drugs – Drug Enter/Edit -- Message displayed when NDF is set to auto-create 2 Possible Dosages

```
Do you wish to match/rematch to NATIONAL DRUG file? No// (No)
Just a reminder...you are editing LOMUSTINE 10MG CAP

This drug can have Possible Dosages, but currently does not have any.

This drug has been set within the National Drug File to auto create two
possible dosages.

Create Possible Dosages for this drug? N// YES

Resetting Possible Dosages..

Due to National Drug File settings TWO possible dosages were auto-created.

Press Return to continue:

Strength from National Drug File match => 10    MG
Strength currently in the Drug File    => 10    MG

Strength => 10    Unit => MG

POSSIBLE DOSAGES:
DISPENSE UNITS PER DOSE: 1            DOSE: 10 MG            PACKAGE: IO
DISPENSE UNITS PER DOSE: 2            DOSE: 20 MG            PACKAGE: IO

LOCAL POSSIBLE DOSAGES:
```

This drug has been set within the National Drug File to auto create two possible dosages.
Do you want to edit the dosages? N//

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Chapter Two Understanding Dosages

Dosages are compiled by collecting information that was previously entered in various files and gathering that information to populate individual fields within the DRUG file (#50). Two types of dosages, Possible Dosages and Local Possible Dosages, are now stored in the DRUG file (#50). Explanations of what determines a Possible Dosage and a Local Possible Dosage are included below, along with diagrams to aid the user in understanding which files and fields contribute to constructing Possible Dosages and Local Possible Dosages. More detailed information on Possible Dosages and Local Possible Dosages is contained in the *Pharmacy Ordering Enhancements Pharmacy Data Management Pre-Release Implementation Guide*, located on the VistA Documentation Library (VDL) web page at <http://vista.med.va.gov/vdl>.

2.1 Possible Dosages

The PROPRANOLOL TAB example in Diagram A is an example of a drug that can have Possible Dosages. Possible Dosages can be broken down into four individual fields; DISPENSE UNITS PER DOSE, DOSE, PACKAGE, and BCMA DISPENSE UNITS PER DOSE. For a drug to have Possible Dosages it must meet the following criteria.

- 1) The drug must be matched to a VA PRODUCT file (#50.68) entry in National Drug File.**
- 2) The match in National Drug File must be an active single-ingredient product.**
- 3) The strength of the product must be numeric.**
- 4) The Dosage Form/Unit Combination of the product must be marked as convertible in the DOSAGE FORM file (#50.606). See the table below for a list of Dosage Form/Unit Combinations that will automatically be identified by the software.**

The Dosage Form/Unit Combinations that have been designated as convertible for the creation of Possible Dosages are displayed in Appendix A.

Possible Dosages (cont.)

The Possible Dosages option identifies drugs that meet the four criteria mentioned earlier, and by utilizing fields in the VA PRODUCT file (#50.68) and the DOSAGE FORM file (#50.606), it will populate the DRUG file (#50) entry with Possible Dosage information.



Diagram A is an example of how the PROPRANOLOL HCL 20MG TAB drug entry would exist under the current file setup

Diagram B

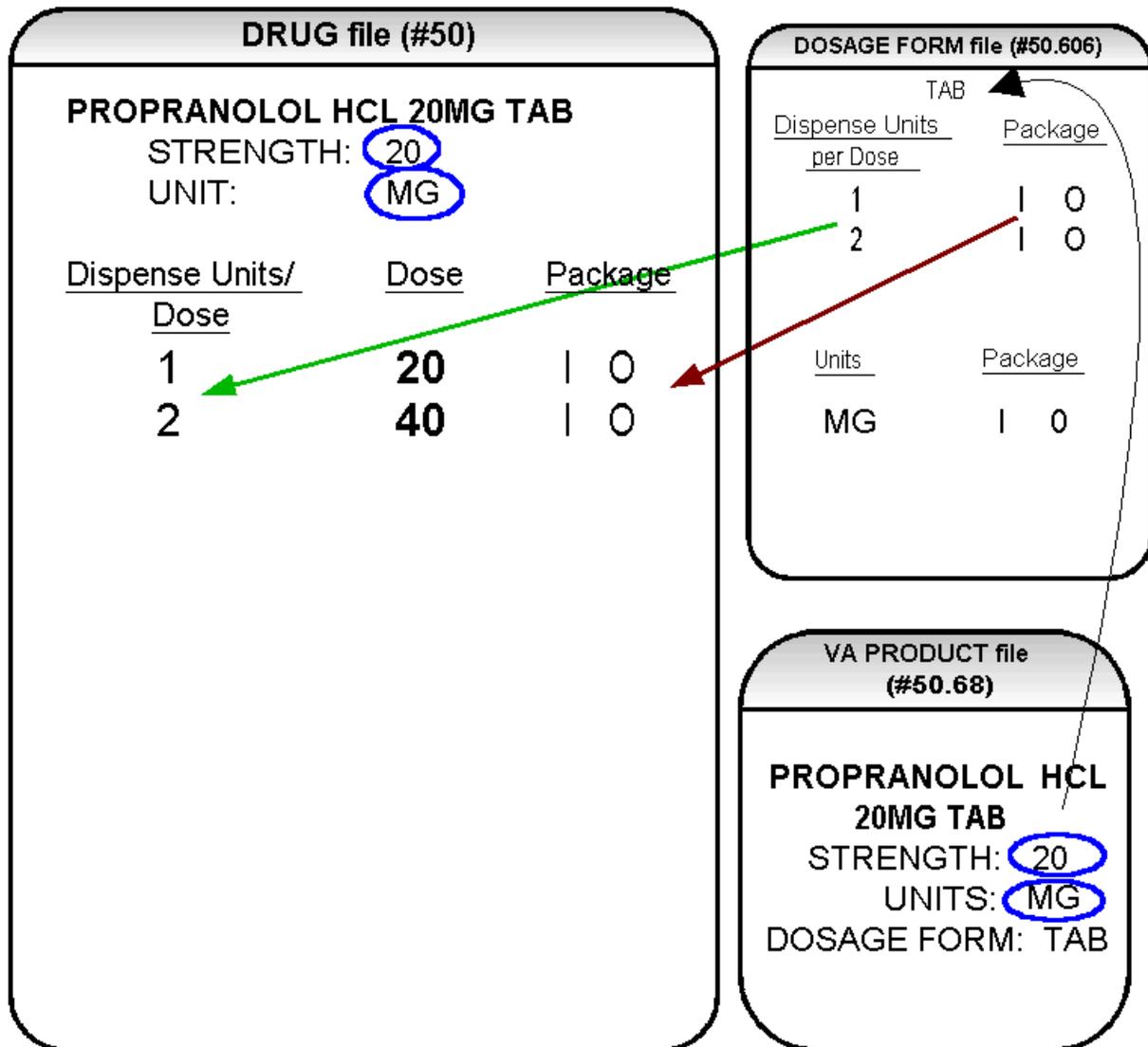




Diagram B

Diagram B shows the drug entry with the new data. Two new fields, STRENGTH and UNIT, have been added to the DRUG file (#50). These two fields are populated with data based on the data contained in the STRENGTH and UNITS fields of the VA PRODUCT file (#50.68) match. The DOSE field of the POSSIBLE DOSAGE sub-file of the DRUG file (#50) is populated by multiplying the entry in the DISPENSE UNITS PER DOSE field of the POSSIBLE DOSAGE sub-file of DRUG file (#50) by the numeric value of the STRENGTH field in the DRUG file (#50). (DOSE=DISPENSE UNITS PER DOSE x STRENGTH)

Diagram C shows dosage selections for a PROPRANOLOL TAB Orderable Item when one or more drugs are matched to that Orderable Item. (See Diagram C.)

Additionally, another screen that is used for duplicate doses is the non-formulary screen.



If there are two of the same doses, and one is formulary and the other is non-formulary, the formulary entry is the one that is used, regardless of which dose has the lower Dispense Units Per Dose value.

The non-formulary drug filter is executed prior to the lowest Dispense Units Per Dose filter. So in this example, if the PROPRANOLOL HCL 40MG TAB is marked as non-formulary, and the PROPRANOLOL HCL 20MG TAB is formulary, the 40MG dosage selection would be associated with the PROPRANOLOL HCL 20MG TAB, even though it has a higher Dispense Units Per Dose (2) than the 40MG entry for PROPRANOLOL HCL 40MG TAB (1 Dispense Units Per Dose).

Once the Possible Dosages have been created, doses can be deleted or added by editing the DISPENSE UNITS PER DOSE field using the *Enter/Edit Dosages* option. The DOSE field is automatically calculated by multiplying the DISPENSE UNITS PER DOSE field times the STRENGTH field. For example, if the PROPRANOLOL TABLET is commonly given in a 10MG dose, and there is not a Dispense Drug entry in DRUG file (#50) of PROPRANOLOL HCL 10MG TAB, a Dispense Units Per Dose of .5 can be added for the PROPRANOLOL HCL 20MG TAB, and a dose of 10MG will be created. If a dose of 60MG is sometimes given for PROPRANOLOL TAB, entering a Dispense Units Per Dose of 3 for the PROPRANOLOL HCL 20MG TAB drug will provide a 60MG dose. Similarly, if the 80MG dose is rarely given, the Dispense Units Per Dose of 2 can be deleted for the PROPRANOLOL HCL 40MG TAB drug, and the 80MG dose will be deleted.

The PACKAGE field can also be edited, but this is a “controlled” type of edit. If the Dosage Form/Unit Combination is not marked as convertible in the DOSAGE FORM file (#50.606) for the package, then that package cannot be added as a package for that Possible Dosage. Strength can also be edited in the DRUG file (#50). If the strength is edited, then all of the doses are automatically re-calculated based on the DISPENSE UNITS PER DOSE and new STRENGTH entry. It is recommended that the strength only be edited in the rare case that the Dispense Drug must be matched to a VA Product with an inappropriate strength. (This scenario is discussed in further detail later in this document.) In summary, by adding new DISPENSE UNITS PER DOSE of .5 and 3 to the PROPRANOLOL HCL 20MG TAB entry, and by deleting the DISPENSE UNITS PER DOSE of 2 for the PROPRANOLOL HCL 40MG TAB entry, the following Possible Dosages now exist for PROPRANOLOL TAB Orderable Item. (See Diagram D.)



Diagram G (continued)

These two drugs meet the first three of the Possible Dosages criteria, but do not meet criteria number four. The Dosage Form/Unit Combination of SOLN,OPH / % is not marked as convertible in the DOSAGE FORM file (#50.606) for Inpatient Medications or for Outpatient Pharmacy. Since Possible Dosages cannot be created for these drugs, Local Possible Dosages must be created. To create Local Possible Dosages the Noun field in the DOSAGE FORM file (#50.606) is utilized. By default, all Local Possible Dosages will be marked for Inpatient Medications and/or Outpatient Pharmacy use based on the package identification of the Noun.

The NOUN field already exists in the DOSAGE FORM file (#50.606). It is a multiple field, meaning that more than one Noun can be associated with each Dosage Form. Some Dosage Forms may have multiple Nouns, while other Dosage Forms may have only one Noun. For example, the Dosage Form CREAM could have the following entries in the NOUN field.

LIBERALLY
SMALL AMOUNT
SPARINGLY
THIN FILM

Alternately, the Dosage Form of TAB would most likely only have one NOUN, TABLET(S).

TABLET(S)

In the TIMOLOL example, a review of the Dosage Form entry for SOLN,OPH, shows that the Dispense Units Per Dose of 1 and 2 are designated, and a Noun of DROP(S) is specified. If the *Auto Create Dosages* option is rerun with the current setup, no Possible Dosages for the two TIMOLOL drugs will be created because the drugs do not meet all four Possible Dosages criteria. Local Possible Dosages will be created of 1 DROP and 2 DROPS.

If a NOUN ends in “(S)” or “(s)”, such as TABLET(S) or capsule(s), the “(S)” or “(s)” will be completely dropped from the Noun when building the SIGs, as long as the Dispense Units Per Dose is 1 or less. If the Dispense Units Per Dose is greater than 1, the parenthesis around the “(S)” will be eliminated, creating a plural Noun, such as TABLETS. For this to happen, the Noun must precisely end in the three characters “(S)”.

Keep in mind that if an Orderable Item is selected in CPRS, and there are Possible Dosages for any of the Dispense Drugs tied to that Orderable Item, only the Possible Dosages will be returned and any Local Possible Dosages will be ignored. Local Possible Dosages will only be used when no Possible Dosages can be found for drugs tied to the selected Orderable Item and identified for use by the selected application (Inpatient Medications or Outpatient Pharmacy).

In the TIMOLOL example, the Noun of DROP(S) and the Dosage Form of SOLN, OPH produces the following results. (See Diagram H.)

2.2 Multi-Ingredient Drugs

The following are examples of multi-ingredient drugs. Since multi-ingredient drugs do not meet the criteria for creation of a Possible Dosage, Local Possible Dosages will be created based on the Noun entries in the DOSAGE FORM file (#50.606).

The first example is GUAIFENESIN SYRUP WITH CODEINE 4oz. The Dosage Form of SYRUP has three Nouns, all marked for Inpatient Medications and Outpatient Pharmacy use. These Nouns are TABLESPOONFUL(S), TEASPOONFUL(S), and ML(S). The APPLICATION PACKAGE USE field of the Dispense Drug is marked for Outpatient Pharmacy use only. (See Diagram K.)

Diagram K



Dr. requests
 OUTPATIENT
 ORDER
**GUAIFENESIN/
 CODEINE SYRUP**

1 TEASPOONFUL OF
 GUAIFENESIN SYRUP WITH
 CODEINE 4oz

2 TEASPOONFULS OF
 GUAIFENESIN SYRUP WITH
 CODEINE 4oz

1 TABLESPOONFUL OF
 GUAIFENESIN SYRUP WITH
 CODEINE 4oz

2 TABLESPOONFULS OF
 GUAIFENESIN SYRUP WITH
 CODEINE 4oz

1 ML OF GUAIFENESIN SYRUP
 WITH CODEINE 4oz

2 MLS OF GUAIFENESIN SYRUP
 WITH CODEINE 4oz

DRUG file (#50)

**GUAIFENESIN SYRUP
 WITH CODEINE 4oz**

STRENGTH:
 UNIT:

Outpatient Drug Only

Local Possible Dosage

<u>Local Possible Dosage</u>	<u>Package</u>
1 TEASPOONFUL	0
2 TEASPOONFULS	0
1 TABLESPOONFUL	0
2 TABLESPOONFULS	0
1 ML	0
2 MLS	0

**DOSAGE FORM file
 (#50.606)**

SYRUP

<u>Dispense Units per Dose</u>	<u>Package</u>
1	0
2	0
<u>Units</u>	<u>Package</u>
Noun	<u>Package</u>
TEASPOONFUL(S)	0
TABLESPOONFUL(S)	0
ML (S)	0
<u>Conjunction</u> OF	

**VA PRODUCT file
 (#50.68)**

**CODEINE 10MG/
 GUAIFENESIN
 100MG/5ML
 SYRUP**

STRENGTH:
 UNITS:
 DOSAGE FORM: SYRUP

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