PHARMACY BENEFITS MANAGEMENT (PBM)

USER MANUAL

Version 4.0
June 2005

(Revised January 2008)

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
1/2008	6-9	PSU*4*12	Move a Note from section 3.5 to section 3.2 and 3.3 to correspond with a change in patch PSU*4*12 that moves the trigger of the Patient demographic purge from the Retransmit Patient Demographic Data option to the PSU PSM Manual option and to the PSU PBM Auto option. (A. Scott, P.M., G. Werner, Tech. Writer)
12/2006	100-102	PSU*4*10	Updated Allergies/Adverse Events Information Statistics chart in section 4.11.1 Statistics Format and updated the example of the MailMan messages in section 4.11.2 Example MailMan Messages for patch PSU*4*10. (C. Greening, P.M., G. Werner, Tech. Writer)
02/2006	iv, 115-132	PSU*4*3	PBM Extract Enhancements #3 project. Added Section 5. to Table of Contents. Added Section 5. HL7 Messages and 5.1. Data Specifications. Updated Glossary to include definitions of HL7 and HLO, and for page numbering purposes. Updated Index to include items from new section on HL7 Messages, and for page numbering purposes. (R. Singer, P.M., M. Newman, Tech. Writer)
06/2005	All		Original Release of PBM V. 4.0 User Manual (T. Holley, P.M., C. McCollister, Tech. Writer)

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Table of Contents

1. Introduction

Pharmacy Benefits Management (PBM) V. 4.0 is a new enhanced version of the software and replaces PBM V. 3.0. In a series of three enhancements, new extracts and reports were created, existing extracts were modified, and some options were modified to increase the functionality of this software package. For more detail, refer to the *Pharmacy Benefits Management V. 4.0 Release Notes* document.

The software extracts medication dispensing data elements from the Outpatient Pharmacy, Inpatient Medications Intravenous (IV) and Unit Dose (UD), Automatic Replenishment/Ward Stock (AR/WS), Controlled Substances (CS) modules, Procurement information from Drug Accountability, Integrated Funds Control, Accounting and Procurement (IFCAP), and a limited amount of Laboratory data on a monthly basis.

The extracted data is electronically exported via MailMan to the PBM section in Hines, Illinois." MailMan messages are downloaded to text files onto the PBM network. These electronic messages are then passed through a translation process, which pulls text files into a database format and is checked for quality assurance and converts all local drug names to a common drug name and all local dispensing units to a common dispensing unit if possible. After translation, the information is added to the PBM national database.

Through an option placed on the pharmacy supervisor menu, the software makes data extraction reports available at local Veterans Affairs Medical Centers (VAMCs) and allows local management to use this data to project local drug usage and identify potential drug accountability problem areas. The PBM section is able to provide information on Local Facility, Veterans Integrated Service Network (VISN), and National product use on monthly, quarterly, and annual intervals. Pharmacy personnel at VAMCs and VISNs shall use this application to collect and report on pharmacy and patient statistics through user-executed options. Users of the database include the PBM, VAMCs, VISNs, and the research community.

PBM V. 4.0 extracts additional data elements and modifies current extracts to take advantage of enhancements made to the other Pharmacy modules since the release of previous versions (D&PPM V. 2.0) and PBM V. 3.0.

Related Documentation

Pharmacy Benefits Management V. 4.0 Release Notes
Pharmacy Benefits Management V. 4.0 Installation Guide
Pharmacy Benefits Management V. 4.0 Technical Manual/Security Guide

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2. Orientation

Within this documentation, several notations need to be outlined.

- Menu options will be italicized.
  Example: *Manual Pharmacy Statistics* indicates a menu option.

- Screen prompts will be denoted with quotation marks around them.
  Example: "Select DRUG:" indicates a screen prompt.

- Responses in bold face indicate what the user is to type in.
  Example: Printing a MAR report by ward group **G**, by ward **W** or by patient **P**.

- Text centered between arrows represents a keyboard key that needs to be pressed in order for the system to capture a user response or move the cursor to another field. **<Enter>** indicates that the Enter key (or Return key on some keyboards) must be pressed. **<Tab>** indicates that the Tab key must be pressed.
  Example: Press **<Tab>** to move the cursor to the next field.
       Press **<Enter>** to select the default.

- **Note**: Indicates especially important or helpful information.

- Some of the menu options have several letters that are capitalized. By entering in the letters and pressing <Enter>, the user can go directly to that menu option (the letters do not have to be entered as capital letters).

  Example: From the *Unit Dose Medications* option: the user can key **INQ** and proceed directly into the *INQuiries Menu* option.

- **?, ??, ???** One, two, or three question marks can be entered at any of the prompts for on-line help. One question mark elicits a brief statement of what information is appropriate for the prompt. Two question marks provide more help, plus the hidden actions and three question marks will provide more detailed help, including a list of possible answers, if appropriate.

- ^ Caret (up arrow or a circumflex) and pressing **<Enter>** can be used to exit the current option.

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3. PBM Options

This section describes options that are available in PSU 4.0.

3.1. PBM Manager Menu
[PSU PBM MANAGER MENU]

The *PBM Manager Menu* [PSU PBM MANAGER MENU] option grants the user access to the following options:

- *Manual Pharmacy Statistics* [PSU PBM MANUAL] allows the user to manually run individual or combined extracts for a time period of their own choosing.

- *Retransmit Patient Demographic Data* [PSU RETRANSMIT PATIENT DATA] allows the user to resend the prior month's patient demographic data to the PBM national database should the background job be interrupted. Patient demographic data is held for a period of 75 days before being purged.

- *Map Pharmacy Locations* [PSU MAP PHARMACY LOCATIONS] allows the user to map Area of Uses (AOUs) from the AR/WS application, Narcotic Area of Uses (NAOUs) from the Controlled Substances application, and Pharmacy Locations from the Drug Accountability application to a specific Medical Center Division or Outpatient site.

3.2. Manual Pharmacy Statistics
[PSU PBM MANUAL]

The *Manual Pharmacy Statistics* [PSU PBM MANUAL] option is used to gather the statistical information for a selected date range from the following files:

1.	Pharmacy Patient IV Subfile	File # 55.01
2.	Pharmacy Patient UD Subfile	File # 55.06
3.	AR/WS Stats File	File # 58.5
4.	Prescription	File # 52
5.	Procurement	File #442, # 58.811, # 58.81
6.	Controlled Substances	File # 58.81
7.	Patient Demographics	File # 2
8.	Outpatient Visits	File # 9000010, # 9000010.07
9.	Inpatient PTF Record	File # 45
10.	Provider Data	File # 200, # 7, # 49, #8932.1
11.	Allergy/Adverse Event	File # 120.8, # 120.85
12.	Vitals/Immunization Record	File # 120.5, #9999999.14
13.	Laboratory	File # 60, # 63

This data can be collected for ALL of the files listed or for one or more specific files. A summary of data or a detailed report by drug can be delivered in a mail message or in a hard copy report.

Note: Patient demographic data is retained in the PBM file for 75 days, after which time it is purged.

Example: Generating a Monthly Report for a Specific Package and Transmitting it Via MailMan

```
Select OPTION NAME: PSU PBM
     1   PSU PBM AUTO       Automatic Pharmacy Statistics
     2   PSU PBM JOB CHECK       Pharmacy Background Job Check
     3   PSU PBM MANAGER MENU      Manager Menu Options
     4   PSU PBM MANUAL      Manual Pharmacy Statistics
CHOOSE 1-4: 4  PSU PBM MANUAL     Manual Pharmacy Statistics
Manual Pharmacy Statistics


The Pharmacy Benefits Management (PBM) report will extract
statistics from one or more of the following files:

1. Pharmacy Patient IV Sub-file      File # 55.01
2. Pharmacy Patient UD Sub-file      File # 55.06
3. AR/WS Stats                       File # 58.5
4. Prescription                      File # 52
5. Procurement                       File # 442,# 58.811,# 58.81
6. Controlled Substances             File # 58.81
7. Patient Demographics              File # 2
8. Outpatient Visits                 File # 9000010,# 9000010.07
9. Inpatient PTF Record              File # 45
10. Provider Data                    File # 200,# 7,# 49,# 8932.1
11. Allergy/Adverse Event            File # 120.8,# 120.85
12. Vitals/Immunization Record       File # 120.5,# 9999999.14
13. Laboratory                       File # 60,# 63

This data can be collected for ALL of the files listed or for one or
more specific files.  A summary of data or a detailed report by drug
can be delivered to you in a mail message or in a hard copy report.


Is this the monthly report? YES

Select Month/Year: 09/01  (SEP 2001)

Do you want a copy of this report sent to you in a MailMan message? NO// YES

Send this to the PBM section for addition to the master file? NO// YES

Select one or more of the following:

1.   IVs
2.   Unit Dose
3.   AR/WS
4.   Prescription
5.   Procurement
6.   Controlled Substances
7.   Patient Demographics
8.   Outpatient Visits
9.   Inpatient PTF Records
10.  Provider Data
11.  Allergies/Adverse Events
12.  Vitals/Immunizations Information
--------------------------------report continues---------------------------------
```

```
Laboratory data and a Patient Demographic summary report will be automatically
generated if IVs, Unit Dose, or Prescription extracts are chosen.
You may select all of the modules by entering "A" for ALL or by using "1:12".

The Provider Data report may take an extended amount of time to run.
It is recommended that it be run during off peak hours.

Select the code(s) associated with the data requested: 1

You have selected:  1 - IVs
                    13 - Laboratory Results
                    Patient Demographic Summary

Print Summary Only? NO// YES


This report will automatically run as a background job.
REQUESTED TIME TO RUN: NOW//   (JUL 14, 2004@16:10)

Tasked with 107699
```

If the *Manual Pharmacy Statistics* [PSU PBM MANUAL] option completes successfully, the following two additional reports are generated. Examples are provided in the MailMan Messages section of this document.

PBM Timing Report: The PBM Timing report displays the start and stop date/time of each extract and a final calculation of how long it took to run. Extract times will vary depending on the system performance, the time that the extract is run (early in the morning, on a weekend versus in the middle of the day), and the amount of data extracted.

Confirmation Message: The confirmation message shows the package(s) whose dispensing statistics were extracted by the PBM Manual Pharmacy Statistics option.

3.3. Automatic Pharmacy Statistics
[PSU PBM AUTO]

The site should assign the *Automatic Pharmacy Statistics* [PSU PBM AUTO] option to the Pharmacy Supervisor's menu. This option is used to gather the pharmacy statistics for the previous month from the following files:

1.	Pharmacy Patient IV Subfile	File # 55.01
2.	Pharmacy Patient UD Subfile	File # 55.06
3.	AR/WS Stats File	File # 58.5
4.	Prescription	File # 52
5.	Procurement	File #442, # 58.811, # 58.81
6.	Controlled Substances	File # 58.81
7.	Patient Demographics	File # 2
8.	Outpatient Visits	File # 9000010, # 9000010.07
9.	Inpatient PTF Record	File # 45
10.	Provider Data	File # 200, # 7, # 49, #8932.1
11.	Allergy/Adverse Event	File # 120.8, # 120.85

12. Vitals/Immunization Record	File # 120.5, #9999999.14	
13. Laboratory	File # 60, # 63	

This option is executed as a background job each month. The statistics are gathered and then sent to the national PBM section (CMOP-HINES.MED.VA.GOV domain) via MailMan messages. When scheduling the monthly frequency for this option to be executed, please remember to schedule it to run after the *Update AMIS Stats File* [PSGW UPDATE AMIS STATS] option has been executed.

Note: To decrease the running time of the monthly *Automatic Pharmacy Statistics* [PSU PBM AUTO] option, the ability to extract all patient records from the PATIENT file (#2) every month is no longer provided. This functionality is still available through the *Manual Pharmacy Statistics* [PSU PBM MANUAL] option.

Note: Patient demographic data is retained in the PBM file for 75 days, after which time it is purged.

If the *Automatic Pharmacy Statistics* [PSU PBM AUTO] option completes successfully, the following two additional reports are generated. Examples are provided in the MailMan Messages section of this manual.

PBM Timing Report: The PBM Timing report displays the start and stop date/time of each extract and a final calculation of how long it took to run. Extract times will vary depending on the system performance, the time that the extract is run (early in the morning, on a weekend versus in the middle of the day), and the amount of data extracted.

Confirmation Message: The confirmation message shows the package(s) whose dispensing statistics were extracted by the PBM Manual Pharmacy Statistics option.

3.4. Pharmacy Background Job Check
[PSU PBM JOB CHECK]

The *Pharmacy Background Job Check* [PSU PBM JOB CHECK] option checks to see if the monthly *Automatic Pharmacy Statistics* [PSU PBM AUTO] option ran to completion. A MailMan message will be sent to the local and remote members of the facility's PSU PBM mail group and to the PBM national database at Hines if the report has not completed in six days. Population of the PSU PBM JOB field (#90) in the PHARMACY SYSTEM file (#59.7) with a date/time verifies completion. This option is scheduled automatically by the *Automatic Pharmacy Statistics* [PSU PBM AUTO] option and normally does not need user intervention. In case of computer outage, it could be run manually.

Example: Pharmacy Background Job Check MailMan Message

```
Subj: PBM Automatic Statistics Job 437 FARGO  [#3526219] 17 Sep 98 06:07  3 Lines
From: PBMpharmacist,One  in 'IN' basket. Page 1
-------------------------------------------------------------------------

The PBM Automatic Statistics background job did not run to completion.
Please correct the problem and retransmit the data to the National PBM
section at Hines.


Select MESSAGE Action: IGNORE (in IN basket)// <Enter>
```

3.5. Retransmit Patient Demographic Data
[PSU RETRANSMIT PATIENT DATA]

This option retransmits patient demographic data stored in the PBM file. When a user first enters the option, the software displays the purpose of this option and the first date there is data available for retransmission. The user shall be asked if this is a monthly report. If the response is "Yes", the user shall be prompted to enter a Month/Year. If the response is 'No', the user shall be asked to enter a start date and end date. The user shall not be allowed to retransmit data for the current date. A message shall be displayed to the user stating that the current date is not selectable. If statistical data is not available for the entire month/year, start date, or end date selected, the software shall display a message to the user indicating either the range of dates for which statistical data is available or the start or end date of selectable data. The user shall be prompted to reenter the month/year, start date, or end date.

Example: Retransmission For a Month of Statistical Data.

```
Select OPTION NAME: Retransmit Patient Demographic Data

This option will allow the retransmission of Patient Demographic data stored in the XXXXXXX file.
Statistical data starting from March 5, 2003 through May 3, 2003 is available for retransmission.

Is this the monthly report? YES

Select Month/Year: 3/03  (MAR 2003)  <message shall display>

Data for the entire month of March 2003 is not available.  Please reenter the month/year.

Select Month/Year: 4/03  (APRIL 2003)

Do you want a copy of this report sent to you in a MailMan message? NO// YES


Send this to the PBM section for addition to the master file? NO// YES


REQUESTED TIME TO RUN: NOW//   <User can run immediately or queue for later date/time>
```

Example: Retransmission For Two Weeks of Statistical Data.

```
Select OPTION NAME: Retransmit Patient Demographic Data

This option will allow the retransmission of Patient Demographic data stored in the PBM Patient
Demographic file. Statistical data starting from March 5, 2003 through May 3, 2003 is  available
for retransmission.

Is this the monthly report? No

Select Start Date: 3/1/03  <message is displayed.>

Statistical data is only available starting March 5, 2003.  Please reenter start date.

Select Start Date: 3/5/03  (MAR 5, 2003)

Select End Date: T  <entry of current date not allowed>
Statistical data has not been compiled for current date.  Please reenter stop date.


Select End Date: 3/17/03 (MAR 17, 2003)

<Both of the checks/messages illustrated shall be available at the start date and end date
prompts.>

Do you want a copy of this report sent to you in a MailMan message? NO// YES

REQUESTED TIME TO RUN: NOW// QUEUE
QUEUE TO RUN AT: T@1300

<User can run immediately or queue for later date/time>
```

The user shall then be prompted with "Do you want a copy of this report sent to you in a MailMan message?". If the user responds **Yes**, the message shall be sent to the user executing the option, and to local and remote members of the PSU PBM mail group. The user shall then be prompted with "Send this to the PBM section for addition to the master file?". If the user responds **Yes**, the message shall be sent to the PBM national database. Only monthly reports shall be transmittable to the PBM national database. The user shall not be prompted to send the message to the master file if the user enters a timeframe other than a month.

The user shall be asked when they wish to run the job. The user shall be able to immediately run the job or queue it at a later date/time.

Example: Retransmit Patient Demographic Data MailMan Message

```
Subj: V. 4.0 PBMPD 30407 1/1 605 JERRY L PETTIS VAMC  [#8814]
08/16/04@15:00  31 lines
From: PBMPHARMACIST,TWO  In 'IN' basket.   Page 1
--------------------------------------------------------------------------------
^605^^^2191002^84^WHITE, NOT OF HISPANIC ORIGIN^M^NSC^REQUIRED^6^000007844^^^^^
2870722^H^^^^^^^^^^^^
^605^^^2240319^80^^M^SC LESS THAN 50%^REQUIRED^5^000000441^1001359871^^^^287072
2^H^^^^^^^^^^^^
^605^^^2411007^62^^M^SERVICE CONNECTED 50% to 100%^^1^000001038^1002931171^2965
27541^5547^^2870731^H^^^^^^^^^^^^
^605^^^2210812^83^^M^PRISONER OF WAR^^3^000005380^1008817231^^^^^^^^^^^^^^^^^
^605^^^2211022^82^^M^NSC^REQUIRED^^000001938^^^^^2870731^H^^^^^^^^^^^^
^605^^^2401211^63^^M^NSC, VA PENSION^NO LONGER REQUIRED^5^000008896^1002139837^
^^^2880814^H^^^^^^^^^^^^
^605^^^2360530^68^^M^SERVICE CONNECTED 50% to 100%^^1^000009397^^^^^2881016^H^^
^^^^^^^^^^
^605^^^2591112^44^^M^SC LESS THAN 50%^^3^000003720^1006067257^^^2880422^^^^^^^^
^^^^^^
^605^^^2230308^81^^M^NSC^REQUIRED^000008997^1009246561^^^2880514^2890430^H^^^^
^^^^^^^^
^605^^^2220616^82^WHITE, NOT OF HISPANIC ORIGIN^M^SC LESS THAN 50%^^3^000005299
^^^^2890223^2911022^H^^^^^^^^^^^^

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

```
Subj: V. 4.0 PBMPD 30407 1/1 605 JERRY L PETTIS VAMC  [#8814]   Page 2
--------------------------------------------------------------------------------
^605^^^2540714^50^^M^SHARING AGREEMENT^^^000009841^1007950742^^^2900907^^^^^^^^
^^^^^^
^605^^^2280602^76^^M^NSC^REQUIRED^^000009837^^^^2910827^^^^^^^^^^^^^^
^605^^^2470121^57^WHITE, NOT OF HISPANIC ORIGIN^M^NSC^REQUIRED^^000004829^^^^29
20523^2930914^H^^^^^^^^^^^^
^605^^^2530916^50^^M^NSC^REQUIRED^^000007332^^^^2920803^^^^^^^^^^^^^^
^605^^3010517^2470805^53^WHITE, NOT OF HISPANIC ORIGIN^M^NSC^MT COPAY EXEMPT^5^
000004670^1002942817^^^2930422^2971119^H^^^^^^^^^^^^
^605^^^2461118^57^^M^SC LESS THAN 50%^REQUIRED^6^000003004^1008474662^^^2930424
^2950224^H^^^^^^^^^^^^
^605^^^2530509^51^^M^NSC^MT COPAY EXEMPT^5^000004701^^^^2930617^2950224^H^^^^^^
^^^^^^
^605^^^2510116^53^^M^NSC^MT COPAY EXEMPT^^000005315^^^^2930623^^^^^^^^^^^^^^
^605^^^2740701^30^^M^NSC^REQUIRED^^000008331^1009246519^^^2950112^^^^^^^^^^^^^^
^605^^^2640801^40^^F^SHARING AGREEMENT^^^000005772^1002971515^^^2980307^^^^^^^^
^^^^^^
^605^^^2590819^44^WHITE, NOT OF HISPANIC ORIGIN^M^SERVICE CONNECTED 50% to 100%
^^1^000005416^1002932269^568611354^10202^2980914^2981007^H^^^^^^^^^^^^
^605^^^2380915^65^WHITE, NOT OF HISPANIC ORIGIN^M^NSC^MT COPAY EXEMPT^5^0000030
25^1002945274^296527541^5547^2981130^2990812^H^^^^^^^^^^^^

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

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

IN Basket Message: 660//
```

3.6. Map Pharmacy Locations
[PSU MAP PHARMACY LOCATIONS]

The *Map Pharmacy Locations* [PSU MAP PHARMACY LOCATIONS] option allows a user to map AOUs from the AR/WS application, NAOUs from the CS application, and Pharmacy Locations from the Drug Accountability application to a specific Medical Center Division or Outpatient Site.

Note: Pharmacy locations must be mapped in order to receive a breakdown of data from those mapped sites for the AR/WS, CS, and Procurement extracts. If the locations are not mapped, the data on those extracts will be included in data from the parent facility.

3.6.1. Mapping Instructions

The following instructs the user on how to map a Pharmacy location to an Outpatient Site or Division. This includes selecting the correct options, selecting the dispensing/ procurement location, selecting an AOU for mapping, and selecting an Outpatient Site or Division.

STEP 1: Select the *Map Pharmacy Locations* [PSU MAP PHARMACY LOCATIONS] option.

In the *PBM Manager Menu* [PSU PBM MANAGER MENU] option, select the *Map Pharmacy Locations* [PSU MAP PHARMACY LOCATIONS] option from the menu.

Example: *PBM Manager Menu* [PSU PBM MANAGER MENU] Option Menu

```
Select OPTION NAME: PSU
     1    PSU MAP PHARMACY LOCATIONS       Map Pharmacy Locations
     2    PSU PBM AUTO       Automatic Pharmacy Statistics
     3    PSU PBM JOB CHECK       Pharmacy Background Job Check
     4    PSU PBM MANAGER MENU       Manager Menu Options
     5    PSU PBM MANUAL       Manual Pharmacy Statistics
Press <RETURN> to see more, '^' to exit this list, OR
CHOOSE 1-5: 1  PSU MAP PHARMACY LOCATIONS     Map Pharmacy Locations
Map Pharmacy Locations
```

A description of the option is initially displayed on the screen.

Example: Option Description

```
        MAPPING PHARMACY LOCATIONS FOR PBM EXTRACTS

   This option allows the mapping of dispensing/procurement locations
   from the AR/WS, Controlled Substances, and Drug Accountability
   applications to either a Medical Center Division or an Outpatient Site.
   Any dispensing/procurement data associated with an AR/WS AOU, CS NAOU
   or DA Pharmacy Location that has not been mapped will be attributed to
   to the facility at which the database resides.  Any unmapped locations
   will be displayed upon entering the option.
```

The software checks for unmapped (active or inactive) locations, which are displayed to the user.

```
The following AR/WS AOUs are not mapped:
        2AS
        4AS   **Inactive**

The following CS NAOUs are not mapped:
        6AS
        Anesthesia

The following DA Pharmacy Locations are not mapped:
        Outpatient Pharmacy
        Inpatient Pharmacy
```

STEP 2: Select the Dispensing/Procurement Location.

The system then prompts the user to select the dispensing location. The user may select one specific location type by entering the number associated with the desired location or select all locations by entering **A**, which grants an opportunity to print a report of mapped/unmapped locations.

Example: Selecting the AR/WS AOU Dispensing/Procurement Location

```
Select the dispensing location to map:

    1.  AR/WS Area of Use (AOU)
    2.  Controlled Substances (CS) Narcotic Area of Use (NAOU)
    3.  Drug Accountability (DA) Pharmacy location
    4.  Print Report of Mapped/Unmapped Locations

You may select all by entering 'A' for ALL or by using '1:4'.


Select the dispensing/procurement location: 1


You have selected:
        1.  AR/WS Area of Use (AOU)


                EDITING Mapping of AR/WS AOUs

Select PBM AR/WS AOU MAPPINGS:
```

The four menu options in the previous example are described below.

1) AR/WS AOU - The user is allowed to select an active or inactive AOU. **Inactive** shall be displayed next to a selected inactive AOU. If the AOU has already been mapped, the Medical Center Division or Outpatient Site shall be displayed next to the selected AOU.

2) CS NAOU - Only NAOUs that do not have a "P" for "Primary" in the LOCATION TYPE field (#1) of the DRUG ACCOUNTABILITY STATS file (#58.8) shall be selectable. The user is allowed to select an active or inactive NAOU. **Inactive** shall be displayed next to a selected inactive NAOU. If the NAOU has already been mapped, the Medical Center Division or Outpatient Site shall be displayed next to the selected NAOU.

3) DA Pharmacy location - Only Pharmacy locations that have a "P" for "Primary" in the LOCATION TYPE field (#1) of the DRUG ACCOUNTABILITY STATS file (#58.8) shall be selectable. The user is allowed to select an active or inactive Pharmacy Location. **Inactive** shall be displayed next to a selected inactive Pharmacy location. If the Pharmacy location has already been mapped, the Medical Center Division or Outpatient Site shall be displayed next to the selected Pharmacy location.

4) Print Report of Mapped/Unmapped Locations - The user is given the opportunity to print a report of mapped/unmapped locations. When choosing to print a report, the user shall be prompted to select a device and time that the report should be run.

Note: If the user enters a **?** at the "Select the dispensing/procurement location:" prompt, the following help text shall be displayed.

```
Enter:  A single code number to print just that report.
        A range of code numbers.  Example:  1:3
        Multiple code numbers separated by commas.  Example:  2,4
        The letter A to select ALL.
        A single up-arrow (^) to exit the option.
```

The following example illustrates selecting all dispensing/procurement location for mapping. The user enters <**A**> at the prompt and must specify an output device on which to print the report. The user shall not be allowed to run the report to the screen.

Example: Selecting All Dispensing/Procurement Locations

```
Select the dispensing/procurement location: A

Select Device:  PRINTER ONE
REQUESTED TIME TO RUN: NOW //   (SEP 22, 2003@21:15) <default to NOW>

Mapping AR/WS AOUs…
```

STEP 3: Select an AOU for Mapping

To select an AOU for mapping, the user may enter a **?** at the prompt and press <**Enter**>, which will display a list from which to choose for the selected location. In the example below, two locations are not mapped. The remaining locations are mapped either to a Division (Div) or to an Outpatient Site (OP).

Example: Results of Entering a "?" at the Prompt

```
Select PBM AR/WS AOU MAPPINGS: ?
    Answer with PBM AR/WS AOU MAPPINGS
   Choose from:
   1SE NURSING HOME CARE UNIT
   1SOUTH PYXIS UNIT                   OP:  CORONA CBOC
   1SW PYXIS UNIT
   2ND FLOOR DENTAL X 3127        Div: JERRY L PETTIS VAMC
   2NE M.H. CLINIC                Div: JERRY L PETTIS VAMC
   3NW ORTHO POD 2338             Div: JERRY L PETTIS VAMC
   CHF CLINIC 3NE                 Div: JERRY L PETTIS VAMC
   DIABETES CARE INPATIENT        Div: JERRY L PETTIS VAMC
```

Example: Selecting an AOU for Mapping

```
    You may enter a new PBM AR/WS AOU MAPPINGS, if you wish
 Answer with PHARMACY AOU STOCK AREA OF USE (AOU)
 Do you want the entire 122-Entry PHARMACY AOU STOCK List? N  (No)
Select PBM AR/WS AOU MAPPINGS: 1SW PYXIS UNIT
        ...OK? Yes//   (Yes)  <Enter>


AR/WS AOU:  1SW PYXIS UNIT
```

STEP 4: Selecting an Outpatient Site or a Division

The user may map an AOU to either a Medical Center Division or to an Outpatient Site. If a location is mapped to a Medical Center Division, the user shall not be prompted to enter an Outpatient Site and vice versa. To map to an Outpatient Site, the Medical Center Division mapping must be deleted.

Mapping to an Outpatient Site

Once the AOU has been selected for mapping, the user bypasses the "DIVISION:" prompt by pressing <**Enter**> and selects a location at the "OUTPATIENT SITE:" prompt. If a **?** is entered at the prompt, help text will provide a list of sites from which to choose.

Example: Results of Entering <?> at the "OUTPATIENT SITE:" Prompt

```
AR/WS AOU : 1SW PYXIS UNIT//
DIVISION:  <Enter>
OUTPATIENT SITE: ?
        An AR/WS AOU CANNOT be mapped to BOTH a division and an outpatient site
   Answer with OUTPATIENT SITE NAME, or SITE NUMBER, or
        RELATED INSTITUTION
  Choose from:
  CMO-LOMA LINDA     605M
  CORONA CBOC      605GD
  LOMA LINDA VA      605
  PALM DESERT CBOC     605GC
  PASS MEDS     605P
  STATE HOME      605DT
  SUN CITY CBOC     605GB
  UPLAND CBOC     605GE
  VICTORVILLE-CBOC      605GA
```

The user may select an Outpatient Site by typing a portion of the location name or the number designation assigned to that location at the "OUTPATIENT SITE:" prompt and pressing <**Enter**>. In the following example, the user typed **COR** at the prompt, which selected the CORONA CBOC 605GD Outpatient Site.

Example: Entering a Partial Location Name to Select the Outpatient Site

```
OUTPATIENT SITE: COR    <Enter>
OUTPATIENT SITE: CORONA CBOC     605GD
```

Once the mapping is complete, the user will receive an AR/WS MailMan message from each of the mapped sites.

Mapping to a Division

The process to map to a Division is the same as outlined above, except the user will respond to the "Division:" prompt, which was bypassed in the previous examples.

If the user chooses to delete the division value and not enter a new one, the user shall be prompted to enter an Outpatient Site.

Example: Deleting a Division Without Entering a New One

```
Select AOU: 4AS  _DIV: GLRISC_<If a location has been already mapped, the division or outpatient
site, preceded by a "DIV' or 'OP' respectively shall be displayed when the location is selected.
      DIVISION: GLRISC// @

SURE YOU WANT TO DELETE?  Yes
      DIVISION: <Enter>
      OUTPATIENT SITE: SUPPORT
```

If the user does not make a selection, the next type of location shall be presented for mapping.

Example: Making No Selection

```
Select AOU: <Enter>
```

If any dispensing/procurement location is inactive, that information and the date of inactivation shall be displayed to the user.

Example: Displaying Inactive Dispensing/Procurement Location

```
Mapping CS NAOUs…

Select NAOU: MASTER VAULT  **Inactive**
```

If the Outpatient Site is inactive, that information and the date of inactivation shall be displayed to the user.

Example: Displaying Inactive Outpatient Site

```
        OUTPATIENT SITE: HINES ISC  **Inactive**
```

If the user does not make a selection, the user shall be exited from the option.

Example: User Exiting From the Option

```
Select NAOU: <Enter>


Mapping DA Pharmacy locations…

Select Pharmacy location:  INPATIENT  DIV: GLRISC
      DIVISION: GLRISC// <Enter>

Select Pharmacy location:  <Enter>
```

3.6.2.   Mapped/Unmapped Location Report

The Mapped/Unmapped Location Report lists all AR/WS, AOUs, CS NAOUs, and DA Pharmacy Locations that are mapped or not mapped to a Medical Center Division or Outpatient Site.

The following information shall be provided:

- Name of Location
- Medical Center Division/Outpatient Site
- Inactivation Date

Example: Mapped/Unmapped Location Report

```
Mapped/Unmapped Location Report                              PAGE 1


AR/WS AOU


NAME                    DIVISION/OUTPATIENT SITE   INACTIVE DATE


2AS                     DIV: GLRISC
4AS                                                        Jan 15, 2003
6AS                     DIV: GLRISC
ER                      OP: SUPPORT


CS NAOU


ANESTHESIA              DIV: GLRISC



DA PHARMACY LOCATION


OUTPATIENT PHARMACY     DIV: GLRISC
INPATIENT PHARMACY      DIV: GLRISC                         Jun 18, 1998
```

4. MailMan Messages

This section describes how the data is extracted and formatted into the MailMan messages. The MailMan messages is sent in a double up-arrow (^^), delimited format. Messages begin and end a dispensing record with a single up-arrow (^). When the package is extracting the data, a check is done on each free text field to see if an up-arrow is part of the text. If an up-arrow is discovered in the text, it will be converted to an apostrophe (').

The subject of each message is composed for easier data manipulation and will look like the following:

Example: Subject of MailMan Message

```
Subj:  V. 4.0 PBMIV 29810 1/3 499B4 GLRISC [message number], etc., etc.,
```

> V. 4.0   Indicates that this data is from PBM V. 4.0.
> PBM   PBM represents Pharmacy Benefits Management. The next two letters attached represent the package from which the data was extracted.
>   ▪ IV   –   Pharmacy Patient IV Module
>   ▪ UD   –   Pharmacy Patient Unit Dose Module
>   ▪ AR   –   Automatic Replenishment/Ward Stock Module
>   ▪ OP   –   Prescription Module
>   ▪ PR   –   Procurement Module
>   ▪ CS   –   Controlled Substances Module
>   ▪ PD   –   Patient Demographics Module
>   ▪ OV   –   Outpatient Visits Module
>   ▪ PTF –   Inpatient PTF Records Module
>   ▪ PRO –   Provider Information Module
>   ▪ AA   –   Allergies/Adverse Events
>   ▪ VI   –   Vitals/Immunizations Information Module
>   ▪ LR   –   Laboratory Module
> 29810   The date of the reporting period, in this example October 1998.
> 1/3   "1" represents the message number and "3" represents the total number of messages sent from this facility for this particular module. In this example, the header would indicate the first message of a total of 3 messages generated for the IV module.
> 499B4   The station number with suffix (broken down to the outpatient clinic or the inpatient division).
> GLRISC   The name of the facility/outpatient clinic/division.

When the data is being formatted into MailMan messages, additional lines will be added for records exceeding 235 characters. The first character of each additional line will be an asterisk (*). A record will never be broken within a data piece. If a conversion of MailMan messages is

being performed on a PC in a language such as FoxPro, ProComm, Keaterm, etc., the asterisk at the beginning of a line will inform the user that this line and the previous line should be concatenated together, thus validating the definitions of the delimited fields explained later in this document.

A confirmation message will be generated whenever the program extracts data to be transmitted to the PBM section (CMOP-HINES.MED.VA.GOV domain) for addition to the national database. Only those packages with requested data to be extracted will be listed. If no data is found for a package, the confirmation will list the module with "0" lines extracted and "1" message transmitted. A MailMan message will be generated if the extract program did not find any data for a specific module.

Example confirmation messages are provided in the MailMan Messages section of this manual.

If the *Automatic Pharmacy Statistics* option or *Manual Pharmacy Statistics* option complete successfully, a PBM Timing report is generated. This report displays the start and stop date/time of each extract and a final calculation of how long it took to run. Examples are provided in the MailMan Messages section of this document.

   Note: Extract times will vary depending on the system performance, the time extract is run (early in the morning or on a weekend versus in the middle of the day), and the amount of data extracted.

4.1. IV Extract

New data elements have been added to the IV extract to support AMIS reporting.

Note: When the IV extract is run, the Patient Demographic Summary Report and Lab reports are automatically generated.

4.1.1. Statistics Format

Data element specifications for an IV Parent record are defined in the table below.

IV STATISTICS DATA FIELD SPECIFICATIONS				
DATA ELEMENT	**FILE #**	**FIELD #**	**PIECE # IN RECORD SENT**	**DESCRIPTION**
Sender	MEDICAL CENTER DIVISION file (#40.8)	FACILITY NUMBER field (#1)	2	Facility number and suffix
Start Date of Order	IV multiple (#100) within the PHARMACY PATIENT file (#55)	START DATE/TIME field (#.02)	3	
IV Order #	IV multiple (#100) within the PHARMACY PATIENT file (#55)	ORDER NUMBER field (#.01)	4	
Order Indicator	N/A	N/A	5	"P" is sent for the Parent order, because multiple records will be sent for each IV additive and solution.
IV Type	IV multiple (#100) within the PHARMACY PATIENT file (#55)	TYPE sub-field (#.04)	6	"A" for Admixture "P" for Piggyback "H" for Hyperal "S" for Syringe "C" for Chemotherapy
Outpatient IV	IV multiple (#100) within the PHARMACY PATIENT file (#55)	WARD sub-field (#104)	7	If value is .5, "Y" is sent for Yes ; otherwise "N" for No.
Patient SSN	PATIENT file (#2)	SOCIAL SECURITY NUMBER field (#.09)	8	

IV STATISTICS DATA FIELD SPECIFICATIONS				
DATA ELEMENT	**FILE #**	**FIELD #**	**PIECE # IN RECORD SENT**	**DESCRIPTION**
Dosing Instructions (schedule or infusion rate)	IV multiple (#100) within the PHARMACY PATIENT file (#55)	SCHEDULE sub-field (#.09) or INFUSION RATE sub-field (#.08)	9	Which data field is extracted depends on IV type.
Provider ID (SSN)	NEW PERSON file (#200)	SSN field (#9)	10	
Net Dispensing Occurrences	LABEL TRACKING multiple (#111) within the IV multiple (#100) within the PHARMACY PATIENT file (#55)	ACTION sub-field (#2) DAILY USAGE sub-field (#6)	11	The following formula is used to calculate dispensing occurrences: Dispensing occurrences = Dispensed[1]- Returned (recycled) - Cancelled If a label tracking record has an action of "1" for dispensed and has Daily usage set to "Yes", the value will be included in the Dispensed[1]count.
VA Product Name	DRUG file (#50)	VA PRODUCT NAME field (#21)	12	
VA Drug Class	DRUG file (#50)	VA CLASSIFICATION field (#2)	13	
NDC	DRUG file (#50)	NDC field (#31)	14	
Formulary/Non-Formulary Indicator	DRUG file (#50)	LOCAL NON-FORMULARY field (#51)	15	If field is set to "1", the program sends "N/F".
National Formulary Indicator	VA PRODUCT file (#50.68)	#17 NATIONAL FORMULARY INDICATOR	16	Send "1" for Yes; "0" for No; otherwise null if no data found.
National Formulary Restriction	NATIONAL FORMULARY RESTRICTION multiple (#18) within the VA PRODUCT file (#50.68)	NATIONAL FORMULARY RESTRICTION sub-field (#.01)	17	If data is found, send "1"; otherwise "0".
IV Additive or Solution Print Name	IV ADDITIVE file (#52.6) IV SOLUTIONS file (#52.7)	PRINT NAME field (#.01) PRINT NAME field (#.01)	18	
IV Additive or Solution Indicator	N/A	N/A	19	If the record contains an additive, program sends "A"; If solution, sends "S".

IV STATISTICS DATA FIELD SPECIFICATIONS				
DATA ELEMENT	**FILE #**	**FIELD #**	**PIECE # IN RECORD SENT**	**DESCRIPTION**
Generic Drug Name	DRUG file (#50)	GENERIC NAME field (#.01)	20	
Drug Unit	IV ADDITIVE file (#52.6) (for additive)	DRUG UNIT field (#2)	21	gm, mg, ml, etc. (ml is always sent for a solution)
Drug Cost Per Unit	IV ADDITIVE file (#52.6) IV SOLUTIONS file (#52.7)	AVERAGE DRUG COST PER UNIT field (#7) AVERAGE DRUG COST field (#7)	22	
Total Net Units Dispensed	IV ADDITIVE multiple (#1) or IV SOLUTIONS multiple (#3) within the IV multiple (#100) within the PHARMACY PATIENT file (#55)	STRENGTH sub-field (#.02) (truncate units) or VOLUME sub-field (#1) (truncate "ML")	23	Dispensing Occurrences * Strength or Volume
VISN Formulary Indicator	DRUG file (#50)	VISN NON-FORMULARY field (#52)	24	If "1" is found, send "N/F", otherwise null if no data is found.
DEA Special Handling	DRUG file (#50)	DEA, SPECIAL HDLG field (#3)	25	
Patient ICN	PATIENT file (#2)	INTEGRATION CONTROL NUMBER field (# 991.01) ICN CHECKSUM field (#991.02) (Values in both fields are concatenated with a "V".)	26	Free Text Example: "1010185893V199552" If an ICN does not exist, send null.
Provider Local IEN	NEW PERSON file (#200)	Internal Entry Number (IEN)	27	
Stop Date/Time of Order	IV multiple (#100) within the PHARMACY PATIENT file (#55)	STOP DATE/TIME sub-field (#.03)	28	

IV STATISTICS DATA FIELD SPECIFICATIONS				
DATA ELEMENT	**FILE #**	**FIELD #**	**PIECE # IN RECORD SENT**	**DESCRIPTION**
# of IV Bag/Syringes Dispensed	LABEL TRACKING multiple (#111) within the IV multiple (#100) within the PHARMACY PATIENT file (#55)	ACTION sub-field (#2) DAILY USAGE sub-field (#6)	29	If the DAILY USAGE is set to "Yes" and the ACTION is set to "Dispensed", the number of LABELS (1 label = 1 bag/syringe) shall be counted. If there are no LABELS with the ACTION of "Dispensed" to be counted for the reporting period, a value of "0" shall be transmitted.
# of IV Bag/Syringes Recycled	LABEL TRACKING multiple (#111) within the IV multiple (#100) within the PHARMACY PATIENT file (#55)	ACTION sub-field (#2) DAILY USAGE sub-field (#6)	30	If the DAILY USAGE is set to "Yes" and the ACTION is set to "Recycled", the number of LABELS (1 label = 1 bag/syringe) shall be counted. If there are no LABELS with the ACTION of "Recycled" to be counted for the reporting period, a value of "0" shall be transmitted.
# of IV Bag/Syringes Destroyed	LABEL TRACKING multiple (#111) within the IV multiple (#100) within the PHARMACY PATIENT file (#55)	ACTION sub-field (#2) DAILY USAGE sub-field (#6)	31	If the DAILY USAGE is set to "Yes" and the ACTION is set to "Destroyed", the number of LABELS (1 label = 1 bag/syringe) shall be counted. If there are no LABELS with the ACTION of "Destroyed" to be counted for the reporting period, a value of "0" shall be transmitted.
# of IV Bag/Syringes Cancelled	LABEL TRACKING multiple (#111) within the IV multiple (#100) within the PHARMACY PATIENT file (#55)	ACTION sub-field (#2) DAILY USAGE sub-field (#6)	32	If the DAILY USAGE is set to "Yes" and the ACTION is set to "Cancelled", the number of LABELS (1 label = 1 bag/syringe) shall be counted. If there are no LABELS with the ACTION of "Cancelled" to be counted for the reporting period, a value of "0" shall be transmitted.

IV STATISTICS DATA FIELD SPECIFICATIONS				
DATA ELEMENT	**FILE #**	**FIELD #**	**PIECE # IN RECORD SENT**	**DESCRIPTION**
Total Units Dispensed	IV ADDITIVE multiple (#1) or IV SOLUTIONS multiple (#3) within the IV multiple (#100) within the PHARMACY PATIENT file (#55)	STRENGTH sub-field (#.02) (truncate units) or VOLUME sub-field (#1) (truncate "ML")	33	# of IV dispensed * Strength or Volume
Total Units Recycled	IV ADDITIVE multiple (#1) or IV SOLUTIONS multiple (#3) within the IV multiple (#100) within the PHARMACY PATIENT file (#55)	STRENGTH sub-field (#.02) (truncate units) or VOLUME sub-field (#1) (truncate "ML")	34	# of IV recycled * Strength or Volume
Total Units Destroyed	IV ADDITIVE multiple (#1) or IV SOLUTIONS multiple (#3) within the IV multiple (#100) within the PHARMACY PATIENT file (#55)	STRENGTH sub-field (#.02) (truncate units) or VOLUME sub-field (#1) (truncate "ML")	35	# of IV destroyed * Strength or Volume
Total Units Cancelled	IV ADDITIVE multiple (#1) or IV SOLUTIONS multiple (#3) within the IV multiple (#100) within the PHARMACY PATIENT file (#55)	STRENGTH sub-field (#.02) (truncate units) or VOLUME sub-field (#1) (truncate "ML")	36	# of IV cancelled * Strength or Volume

Note: Pieces 12-25 and 33-36 in the table refer to a specific IV additive or solution. Pieces 2 through 11 and 26 through 28 shall repeat with each distinct IV additive/solution with the exception of the following:

- Order Indicator
- IV Type
- Outpatient IV
- Net Dispensing Occurrences

The four data elements above shall only be sent with the parent record.

The data elements for subsequent IV records for each additional IV Additive or IV solution shall be sent in the following order for the MailMan message.

| | Up-arrow(^) Piece Number |
Title	
Sender (facility number + suffix)...	2
Start Date of Order..	3
IV Order #...	4
NO DATA	5
NO DATA	6
NO DATA	7
Patient SSN	8
Dosing Instructions (schedule or infusion rate)	9
Provider ID (SSN)...	10
NO DATA	11
VA Product Name..	12
VA Drug Class...	13
NDC	14
Formulary/Non-Formulary Indicator	15
National Formulary Indicator	16
National Formulary Restriction	17
IV Additive or Solution Print Name	18
IV Additive or Solution Indicator..	19
Generic Drug Name	20
Drug Unit (gm, mg, ml, etc.)	21
Drug Cost per Unit..	22
Total Units Dispensed	23
VISN Formulary Indicator...	24
DEA Special Handling...	25
Patient ICN...	26
Provider Local IEN	27
Stop Date/Time of Order	28
NO DATA	29
NO DATA	30
NO DATA	31
NO DATA	32
Units Dispensed	33
Units Recycled..	34
Units Destroyed	35
Units Cancelled...	36

Within the IV extract, the ACTION sub-field (#2), DATE sub-field (#1), LABELS sub-field (#4) and DAILY USAGE sub-field (#6) within the LABEL TRACKING multiple (#111) within the IV multiple (#100) in the PHARMACY PATIENT file (#55) shall be used to determine what was dispensed, recycled, destroyed or canceled. If there is no dispensing activity for an IV order within the reporting period , that IV record is not extracted. This existing requirement shall not change.

4.1.2. Example MailMan Messages

A MailMan message is constructed in a double up-arrow (^^) delimited format. The following is an example of the first (parent) data record sent for an IV order. Each IV additive and solution within an order will be sent as a separate data record.

Example: IV – Detail Report Message

```
Subj: V. 4.0 PBMIV 30109 1/1 605 JERRY L PETTIS VAMC  [#10684]
11/16/04@19:00  7132 lines
From: PBMPHARMACIST,FOUR  In 'IN' basket.   Page 1
-------------------------------------------------------------------------
^605^3010901^120^P^A^N^000006404^11 ml/hr^000002705^1^RANITIDINE HCL 25MG/ML IN
J^GA301^00173-0363-39^^1^0^RANITIDINE (ZANTAC)^A^RANITIDINE HCL 25MG/ML INJ 10M
L VI^MG^.0362^150^^6^1002929700V843567^13868^3010901^1^0^0^0^150^0^0^0^
^605^3010901^120^^^^000006404^11 ml/hr^000002705^^SODIUM CHLORIDE 0.9% INJ^TN10
2^00264-1400-20^^1^0^0.9% NACL^S^SODIUM CHLORIDE 0.9% INJ 250ML^ML^0^250^^6^100
2929700V843567^^3010901^^^^^250^0^0^0^
^605^3010831^7^P^P^N^000007287^Q24H^000002224^1^CEFTRIAXONE NA 1GM/VIL INJ^AM10
3^00004-1964-01^^1^0^CEFTRIAXONE SOD INJ^A^CEFTRIAXONE SOD 1GM INJ VI^GM^19.01^
2^^6RO^1002931500V483685^11247^3010901^1^0^0^0^2^0^0^0^
^605^3010831^7^^^^000007287^Q24H^000002224^^SODIUM CHLORIDE 0.9% INJ^TN102^0033
8-0049-18^^1^0^0.9% NACL^S^SODIUM CHLORIDE 0.9% INJ 100ML^ML^0^100^^6^100293150
0V483685^^3010901^^^^^100^0^0^0^
^605^3010831^124^P^P^Y^000003563^Q48H^000004287^1^GENTAMICIN SO4 40MG/ML INJ^AM
300^63323-0010-20^^1^0^GENTAMICIN^A^GENTAMICIN SULFATE 40MG/ML INJ^MG^.0015^70^
^6^1001835792V911934^4081^3010901^1^0^0^0^70^0^0^0^
^605^3010831^124^^^^000003563^Q48H^000004287^^SODIUM CHLORIDE 0.9% INJ^TN102^00
338-0049-18^^1^0^0.9% NACL^S^SODIUM CHLORIDE 0.9% INJ 100ML^ML^0^100^^6^1001835
792V911934^^3010901^^^^^100^0^0^0^

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

```
Subj: V. 4.0 PBMIV 30109 1/1 605 JERRY L PETTIS VAMC  [#10684]   Page 2
-------------------------------------------------------------------------
^605^3010831^21^P^P^N^000002676^QD^000003129^1^LEVOFLOXACIN 25MG/ML INJ^AM900^0
0045-0068-01^^0^0^LEVOFLOXACIN^A^LEVOFLOXACIN 25MG/ML INJ^MG^.038^500^^6^100293
1930V108442^11037^3010901^1^0^0^0^500^0^0^0^
^605^3010831^21^^^^000002676^QD^000003129^^DEXTROSE 5% INJ^TN101^00338-0017-18^
^1^0^D5W^S^DEXTROSE 5% IN WATER 100ML INJ^ML^0^100^^6^1002931930V108442^^301090
1^^^^^100^0^0^0^
^605^3010901^16^P^A^N^000004708^62 ml/hr^000001783^1^MAGNESIUM SO4 4MEQ/ML INJ^
TN406^00517-2602-25^^1^0^MAGNESIUM SULFATE^A^MAGNESIUM SULFATE 50% INJ 2ML^MEQ^
.18^16^^6^1002194529V799884^9883^3010901^1^0^0^0^16^0^0^0^
^605^3010901^16^^^^000004708^62 ml/hr^000001783^^SODIUM CHLORIDE 0.9% INJ^TN102
^00264-1400-20^^1^0^0.9% NACL^S^SODIUM CHLORIDE 0.9% INJ 250ML^ML^0^250^^6^1002
194529V799884^^3010901^^^^^250^0^0^0^
^605^3010901^4^P^P^N^000007971^A24H^000008484^1^LEVOFLOXACIN 25MG/ML INJ^AM900^
00045-0068-01^^0^0^LEVOFLOXACIN^A^LEVOFLOXACIN 25MG/ML INJ^MG^.038^500^^6^10029
74553V713729^13892^3010901^1^0^0^0^500^0^0^0^
^605^3010901^4^^^^000007971^A24H^000008484^^DEXTROSE 5% INJ^TN101^00338-0017-18
^^1^0^D5W^S^DEXTROSE 5% IN WATER 100ML INJ^ML^0^100^^6^1002974553V713729^^30109
01^^^^^100^0^0^0^
^605^3010901^5^P^P^N^000007971^A24H^000008484^1^LEVOFLOXACIN 25MG/ML INJ^AM900^
00045-0068-01^^0^0^LEVOFLOXACIN^A^LEVOFLOXACIN 25MG/ML INJ^MG^.038^500^^6^10029
```

Example: IV - Statistical Data Message

```
Subj: V. 4.0 PBMIV 30109 605 JERRY L PETTIS VAMC  [#7569] 07/16/04@14:39
139 lines
From: PBMPHARMACIST,FIVE  In 'IN' basket.   Page 1
-------------------------------------------------------------------------------
IV Statistical Data for SEP 1,2001 through SEP 30,2001

                                      Drug       Total       Number
Drug Name                             Strength   Dispensed   of bags
-------------------------------------------------------------------------------
ACYCLOVIR NA 500MG/VI INJ             MG           5600.00      7
ALBUMIN HUMAN 25% USP 50ML VI         ML            350.00      4
ALEMTUZUMAB 10MG INJ *#               MG            220.00      8
ALPHA 1-PROTEINASE INHIBITOR(HUMAN) *# MG         47319.00      9
ALTEPLASE RECOMBINANT 50MG INJ W/DIL VI  MG          252.00     25
AMIKACIN SULFATE 250MG/ML INJ         MG          30250.00     35
AMINO ACID III 10% 1000ML             ML         258930.00    267
AMINOCAPROIC ACID 250MG/ML INJ 20ML VI  MG         84000.00    14
AMIODARONE HCL 50MG/ML, 3ML AMP       MG            900.00      2
AMPHOTERICIN B 50MG INJ VI            MG           1675.00     35
AMPHOTERICIN B LIPOSOME 50MG INJ *#   MG           8100.00     18
AMPICILLIN NA 1GM/VI INJ              GM           2704.50    210
AMPICILLIN NA/SULBACTAM NA 1.5GM/VI INJ  GM        1105.50    375
```

```
Subj: V. 4.0 PBMIV 30109 605 JERRY L PETTIS VAMC  [#7569]   Page 2
-------------------------------------------------------------------------------
AMPICILLIN NA/SULBACTAM NA 3GM/VI INJ  GM           123.00     41
CALCIUM GLUCONATE 10% INJ 100ML VI    MEQ          2861.00    267
CALCIUM GLUCONATE 10% INJ 10ML VI     MEQ           144.15     22
CARBOPLATIN 150MG INJ VI              MG           5250.00     13
CEFAZOLIN NA 1GM/VI INJ               GM           1520.50   1152
CEFOTAXIME 1GM INJ VI                 GM             48.00     24
CEFOTETAN DISODIUM 1GM INJ VI         GM            208.00    126
CEFOTETAN DISODIUM 2GM INJ VI         GM              7.00      7
CEFTAZIDIME 1GM INJ VI                GM            601.00    335
CEFTRIAXONE SOD 1GM INJ VI            GM            336.00    209
CEFTRIAXONE SOD 2GM INJ VI            GM              8.00      4
CIMETIDINE 300MG/2ML INJ VI           MG          26300.00     36
CIPROFLOXACIN 10MG/ML INJ 40ML VI     MG          52265.00    162
CLADRIBINE 1MG/ML INJ 10ML            MG             30.00      3
CLINDAMYCIN PHOS 600MG/4ML INJ AMP    MG         419800.00    533
CO-TRIMOXAZOLE 10ML INJ (SEPTRA INJ)  ML             21.80      1
CYCLOPHOSPHAMIDE 500MG INJ VI         MG           7400.00     11
DACARBAZINE 200MG INJ VI              MG           1700.00      1
DAKINS SOLN MODIFIED HALF STRENGTH *  ML           1000.00      1
DESMOPRESSIN ACE 4MCG/ML INJ 1ML AMP  MCG           330.00      2
```

Example: IV –Patient Demographic Summary Report Message

```
Subj: V. 4.0 PBMPD 30109 605 JERRY L PETTIS VAMC  [#7570] 07/16/04@14:39
18 lines
From: PBMPHARMACIST,FIVE  In 'IN' basket.   Page 1
-------------------------------------------------------------------------------
PHARMACY INPATIENT (IV) UNIQUE PATIENTS REPORT            JUL 16, 2004
-------------------------------------------------------------------------------
              SEP 01, 2001  through  SEP 30, 2001
===============================================================================
                                                         UNIQUE
-----------------------------------------------------------------------
Total unique Inpatients across all divisions:             330
Total unique Outpatients across all divisions:            169
-----------------------------------------------------------------------
     JERRY L PETTIS VAMC Division:                        451
                                                       ------------
     Total of all Divisions:                              451

* This report includes Outpatients receiving IV orders.

**PLEASE NOTE: Final TOTAL may not match sum of all SUBTOTALS.  A patient may
have been provided pharmacy services at more than one outpatient and/or inpatient division.
```

Example: IV – AMIS Summary Report Message

```
Subj: V.4.0 PBMIV 30109 605 JERRY L PETTIS VAMC  [#7571] 07/16/04@14:39
62 lines
From: PBMPHARMACIST,TWO  In 'IN' basket.   Page 1
-------------------------------------------------------------------------------
IV AMIS Summary for SEP 1,2001 through SEP 30,2001 for JERRY L PETTIS VAMC

                                            NET            Cost/
            LVPs    LVPs    LVPs    LVPs    LVPs    Total   NET LVPs
Division    DISP    RET     DES     CAN     DISP    Cost    DISP
-------------------------------------------------------------------------------
JERRY L PETTIS VA  884   0      0      0     883 $  417.05 $    .47
-------------------------------------------------------------------------------
Total              884   0      0      0     883 $  417.05 $    .47


                                            NET            Cost/
            IVPBs   IVPBs   IVPBs   IVPBs   IVPBs   Total   NET IVPBs
Division    DISP    RET     DES     CAN     DISP    Cost    DISP
-------------------------------------------------------------------------------
```

[A portion of this statistical data message has been removed to save space.]

```
Subj: V.4.0 PBMIV 30109 605 JERRY L PETTIS VAMC  [#7571]   Page 3
-------------------------------------------------------------------------------
                                            NET            Cost/
            CHEMO   CHEMO   CHEMO   CHEMO   CHEMO   Total   NET CHEMOs
Division    DISP    RET     DES     CAN     DISP    Cost    DISP
-------------------------------------------------------------------------------
JERRY L PETTIS VA  145   0      0      0     141 $  1019.50 $   7.23
-------------------------------------------------------------------------------
Total              145   0      0      0     141 $  1019.5 $    7.23


                                            NET            Cost/
            SYRs    SYRs    SYRs    SYRs    SYRs    Total   NET SYRs
Division    DISP    RET     DES     CAN     DISP    Cost    DISP
-------------------------------------------------------------------------------
JERRY L PETTIS VA   98   0      0      0      98 $  454.79 $    4.64
-------------------------------------------------------------------------------
Total               98   0      0      0      98 $  454.79 $    4.64
```

Example: IV – Detail Report Message

```
Subj: V. 4.0 PBMLR 30109 1/1 605 JERRY L PETTIS VAMC  [#7572]
07/16/04@14:39  279 lines
From: PBMPHARMACIST,FIVE  In 'IN' basket.   Page 1
-----------------------------------------------------------------------------
^605^000008748^23^^^RANITIDINE HCL 25MG/ML INJ 10ML VI^CREATININE^1.6 MG/DL^H^3
010831.06^
^605^000006697^27^^^RANITIDINE HCL 25MG/ML INJ 10ML VI^CREATININE^1.0 MG/DL^^30
10831.043024^
^605^000002156^48^^^RANITIDINE HCL 25MG/ML INJ 10ML VI^CREATININE^1.4 MG/DL^^30
10830.123015^
^605^000003488^1^^^RANITIDINE HCL 25MG/ML INJ 10ML VI^CREATININE^1.1 MG/DL^^301
0831.060001^
^605^000009400^71^^^RANITIDINE HCL 25MG/ML INJ 10ML VI^CREATININE^0.9 MG/DL^^30
10828.060001^
^605^000006550^47^^^ENALAPRILAT 1.25MG/ML 2ML VI^CREATININE^1.3 MG/DL^^3010831.
06^
^605^000006550^47^^^ENALAPRILAT 1.25MG/ML 2ML VI^POTASSIUM^4.5 mmol/L^^3010831.
06^
^605^000006594^14^^^CIMETIDINE 300MG/2ML INJ VI^CREATININE^1.3 MG/DL^^3010831.2
03326^
^605^000006759^5^^^RANITIDINE HCL 25MG/ML INJ 10ML VI^CREATININE^1.0 MG/DL^^301
0831.231723^
```

```
Subj: V. 4.0 PBMLR 30109 1/1 605 JERRY L PETTIS VAMC  [#7572]   Page 2
-----------------------------------------------------------------------------
^605^000006404^120^^^RANITIDINE HCL 25MG/ML INJ 10ML VI^CREATININE^6.8 MG/DL^H^
3010831.102428^
^605^000006404^121^^^RANITIDINE HCL 25MG/ML INJ 10ML VI^CREATININE^6.8 MG/DL^H^
3010831.102428^
^605^000006550^49^^^RANITIDINE HCL 25MG/ML INJ 10ML VI^CREATININE^1.3 MG/DL^^30
10831.06^
^605^000007725^30^^^RANITIDINE HCL 25MG/ML INJ 10ML VI^CREATININE^1.3 MG/DL^^30
10831.04103^
^605^000007278^46^^^RANITIDINE HCL 25MG/ML INJ 10ML VI^CREATININE^0.8 MG/DL^^30
10830.06^
^605^000006404^122^^^RANITIDINE HCL 25MG/ML INJ 10ML VI^CREATININE^6.8 MG/DL^H^
3010831.102428^
^605^000006404^124^^^RANITIDINE HCL 25MG/ML INJ 10ML VI^CREATININE^6.8 MG/DL^H^
3010831.102428^
^605^000005582^123^^^DILTIAZEM HCL 5MG/ML 10ML INJ VI^CREATININE^1.1 MG/DL^^301
0831.04301^
^605^000006404^125^^^RANITIDINE HCL 25MG/ML INJ 10ML VI^CREATININE^6.8 MG/DL^H^
3010831.102428^
^605^000007278^47^^^RANITIDINE HCL 25MG/ML INJ 10ML VI^CREATININE^0.8 MG/DL^^30
10830.06^
```

Example: IV – Laboratory Statistical Summary Message

```
Subj: V. 4.0 PBMLR 30109  605 JERRY L PETTIS VAMC  [#7573] 07/16/04@14:39
6 lines
From: PBMPHARMACIST,FIVE  In 'IN' basket.   Page 1
-----------------------------------------------------------------------------
              Laboratory Statistical Summary
              SEP 1,2001 through SEP 30,2001 for JERRY L PETTIS VAMC

Total Patients        45
Total Laboratory Tests  51
```

Example: IV – Laboratory Data Summary Message

```
Subj: V. 4.0 PBMLR 30109  605 JERRY L PETTIS VAMC  [#7574] 07/16/04@14:39
57 lines
From: PBMPHARMACIST,FIVE  In 'IN' basket.   Page 1
-------------------------------------------------------------------------------
              Laboratory Data Summary
              SEP 1,2001 through SEP 30,2001 for JERRY L PETTIS VAMC


Patient SSN   VA CODE  Laboratory        Results       Flag  Date/Time Taken
-------------------------------------------------------------------------------
000005033     CV200    CREATININE        2.5 MG/DL      H    08/31/01 0753
000006461     GA301    CREATININE        0.9 MG/DL           07/23/01 0950
000006759     GA301    CREATININE        1.0 MG/DL           08/31/01 2317
000003536     CV200    CREATININE        6.6 MG/DL      H    08/10/01 1041
000005913     CV200    CREATININE        1.5 MG/DL           07/24/01 1255
000003488     GA301    CREATININE        1.1 MG/DL           08/31/01 0600
000006404     GA301    CREATININE        6.8 MG/DL      H    08/31/01 1024
000006072     GA301    CREATININE        1.7 MG/DL      H    06/01/01 0917
000001984     GA301    CREATININE        0.9 MG/DL           04/09/01 0600
000002226     CV200    CREATININE       10.7 MG/DL      H    08/14/01 1240
000002156     CV200    CREATININE        1.4 MG/DL           08/30/01 1230
              GA301    CREATININE        1.4 MG/DL           08/30/01 1230
000006550     CV800    CREATININE        1.3 MG/DL           08/31/01 0600
```

```
Subj: V. 4.0 PBMLR 30109  605 JERRY L PETTIS VAMC  [#7574]   Page 2
-------------------------------------------------------------------------------
                       POTASSIUM         4.5 mmol/L          08/31/01 0600
              GA301    CREATININE        1.3 MG/DL           08/31/01 0600
000003573     CV800    CREATININE        1.2 MG/DL           04/06/01 0600
                       POTASSIUM         4.2 mmol/L          04/06/01 0600
000003573     CV800    CREATININE        0.7 MG/DL           08/31/01 0342
                       POTASSIUM         4.3 mmol/L          08/31/01 0342
000009400     GA301    CREATININE        0.9 MG/DL           08/28/01 0600
000005687     GA301    CREATININE        0.7 MG/DL           08/27/01 1439
000007278     GA301    CREATININE        0.8 MG/DL           08/30/01 0600
000008805     GA301    CREATININE        0.9 MG/DL           08/30/01 1034
000005079     GA301    CREATININE        1.3 MG/DL           08/27/01 0938
000005582     CV200    CREATININE        1.1 MG/DL           08/31/01 0430
000006697     GA301    CREATININE        1.0 MG/DL           08/31/01 0430
000007437     CV200    CREATININE        1.1 MG/DL           10/23/00 1045
000003245     GA301    CREATININE        1.0 MG/DL           04/25/01 1309
000002486     CV200    CREATININE        1.4 MG/DL           03/26/01 1300
000004381     GA301    CREATININE       15.3 MG/DL           06/05/01 1030
000008266     GA301    CREATININE        0.8 MG/DL           08/29/01 0746
000006642     GA301    CREATININE        1.2 MG/DL           08/31/01 0600
000008748     GA301    CREATININE        1.6 MG/DL      H    08/31/01 0600
```

Example: IV – Timing Report Message

```
Subj: PBM TIMING for report SEP 01, 2001 to SEP 30, 2001 from 605 JERRY
[#7575] 07/16/04@14:39  7 lines
From: PBMPHARMACIST,FIVE  In 'IN' basket.   Page 1
-------------------------------------------------------------------------------
IVs                  JUL 16,2004@14:35   JUL 16,2004@14:39   0 hrs,  4 min
Laboratory Results   JUL 16,2004@14:39   JUL 16,2004@14:39   0 hrs,  0 min
-------------------------------------------------------------------------------

**NOTE:  Timing for the Provider Data extract is not recorded when the
         the IV, Unit Dose, Prescription, and Patient Demographics extracts
         are run concurrently.
```

Example: IV – Confirmation Message

```
Subj: PBM Stats for SEP 01, 2001 to SEP 30, 2001 from 605 JERRY L PETTI
[#7576] 07/16/04@14:39  7 lines
From: PBMPHARMACIST,FIVE  In 'IN' basket.   Page 1
--------------------------------------------------------------------------
The chart below shows the package(s) whose dispensing statistics were extracted
by the PBM Manual Pharmacy Statistics option.

PACKAGE                      # Line items    # MailMan msgs
--------------------------------------------------------------------------
IVs                              6964           1
Laboratory Results                279           1
```

4.2. UD Extract

New data elements have been added to the UD extract.

Note: When the UD extract is run, the Patient Demographic Summary Report and Lab reports are automatically generated.

4.2.1. Statistics Format

Data element specifications are defined in more detail in the table below.

UNIT DOSE STATISTICS DATA FIELD SPECIFICATIONS				
DATA ELEMENT	**FILE #**	**FIELD #**	**PIECE # IN RECORD SENT**	**DESCRIPTION**
Sender	MEDICAL CENTER DIVISION file (#40.8)	FACILITY NUMBER field (#1)	2	
Start Date of Order	UNIT DOSE multiple (#62) within the PHARMACY PATIENT file (#55)	START DATE/TIME sub-field (#10)	3	
Unit Dose Order #	UNIT DOSE multiple (#62) within the PHARMACY PATIENT file (#55)	ORDER NUMBER sub-field (#.01)	4	
Patient SSN	PATIENT file (#2)	SOCIAL SECURITY NUMBER field (#.09)	5	
Schedule	UNIT DOSE multiple (#62) within the PHARMACY PATIENT file (#55)	SCHEDULE sub-field (#26)	6	
Provider ID (SSN)	NEW PERSON file (#200)	SSN field (#9)	7	
VA Product Name	DRUG file (#50)	VA PRODUCT NAME field (#21)	8	
VA Drug Class	DRUG file (#50)	VA CLASSIFICATION field (#2)	9	

UNIT DOSE STATISTICS DATA FIELD SPECIFICATIONS				
DATA ELEMENT	**FILE #**	**FIELD #**	**PIECE # IN RECORD SENT**	**DESCRIPTION**
Generic Drug Name	DRUG file (#50)	GENERIC NAME field (#.01)	10	
NDC	DRUG file (#50)	NDC field (#31)	11	
Formulary/Non-Formulary Indicator	DRUG file (#50)	LOCAL NON FORMULARY field (#51)	12	If field set to "1", the program sends "N/F"
National Formulary Indicator	VA PRODUCT file (#50.68)	NATIONAL FORMULARY INDICATOR field (#17)	13	Send "1" for Yes; "0" for No; otherwise null if no data found.
National Formulary Restriction	NATIONAL FORMULARY RESTRICTION multiple (#18) within the VA PRODUCT file (#50.68)	NATIONAL FORMULARY RESTRICTION sub-field (#.01)	14	If data is found, send "1"; otherwise "0".
Units Per Dose	DISPENSE DRUG multiple (#2) within the UNIT DOSE multiple (#62) within the PHARMACY PATIENT file (#55)	UNITS PER DOSE sub-field (#.02)	15	
Dispense Unit	DRUG file(#50)	DISPENSE UNIT field (#14.5)	16	
Price Per Dispense Unit	Drug file (#50)	PRICE PER DISPENSE UNIT field (#16)	17	
Net Dispensed Amount	DISPENSE LOG multiple (#71) within the UNIT DOSE multiple (#62) within the PHARMACY PATIENT file (#55)	AMOUNT sub-field (#.03) HOW sub-field (#.05)	18	Formula = Units dispensed (pick list, pre exchange, extra units) – Returns
VISN Formulary Indicator	DRUG file (#50)	VISN NON-FORMULARY field (#52)	19	If "1" is found, send "N/F", otherwise null if no data is found.
DEA, Special Handling	DRUG file (#50)	DEA, SPECIAL HDLG field (#3)	20	

UNIT DOSE STATISTICS DATA FIELD SPECIFICATIONS				
DATA ELEMENT	**FILE #**	**FIELD #**	**PIECE # IN RECORD SENT**	**DESCRIPTION**
Patient ICN	PATIENT file (#2)	INTEGRATION CONTROL NUMBER field (# 991.01) ICN CHECKSUM field (#991.02) (Values in both fields are concatenated with a "V".)	21	Free Text. Example: "1010185893V199552" If an ICN does not exist, send null.
Provider Local IEN	NEW PERSON file (#200)	Internal Entry Number (IEN)	22	
Stop Date/Time of Order	UNIT DOSE multiple (#62) within the PHARMACY PATIENT file (#55)	STOP DATE/TIME sub-field (#34)	23	
Dispensed Amount	DISPENSE LOG multiple (#71) within the UNIT DOSE multiple (#62) within the PHARMACY PATIENT file (#55)	AMOUNT sub-field (#.03) HOW sub-field (#.05)	24	If the HOW sub-field (#.05) is set to "1" from Pick list, "2" Pre-exchange units, or "3" Extra Units dispensed, the AMOUNT sub-field (#.03) for each dispense drug shall be counted. The total dispensed amount shall be transmitted. If there is no amount to be counted for the reporting period, a value of "0" shall be transmitted.
Returned Amount	DISPENSE LOG multiple (#71) within the UNIT DOSE multiple (#62) within the PHARMACY PATIENT file (#55)	AMOUNT sub-field (#.03) HOW sub-field (#.05)	25	If the HOW sub-field (#.05) is set to "4" returns, the AMOUNT sub-field (#.03) for each dispense drug shall be counted. The total returned amount shall be transmitted. If there is no returned amount to be counted for the reporting period, a value of "0" shall be transmitted.

Note: Data pieces 2-7 and 21-23 in the table above shall repeat for each unit dose order containing more than one dispense drug. Data pieces 8-20 and 24-25 will hold specific dispense drug information.

Within the UD extract, the DISPENSE DATE/TIME sub-field (#.01), DISPENSE DRUG sub-field (#.02), AMOUNT sub-field (#.03) and HOW sub-field (#.05) within the DISPENSE LOG multiple (#71) within the UNIT DOSE multiple (#62) in the PHARMACY PATIENT file (#55) shall be used to determine what was dispensed or returned. The Unit Dose record, with the current functionality, is not extracted if there is no dispensing activity (nothing dispensed or returned). This requirement shall not change.

4.2.2. Example MailMan Messages

A MailMan message is constructed in a double up-arrow (^^) delimited format. The following is an example of a data record sent. Each dispense drug within an order will be sent as a separate data record (pieces 22-45). Pieces 2-20 will repeat for each unit dose order containing more than one dispense drug.

Example: Unit Dose – Detail Report Message

```
Subj: V. 4.0 PBMUD 3010900 1/1 605 JERRY L PETTIS VAMC  [#7680]
07/19/04@17:04  9942 lines
From: PBMPHARMACIST,TWO  In 'IN' basket.   Page 1
-------------------------------------------------------------------------------
^605^3010901^174068^000003330^ONCE^000002224^INSULIN REG HUMAN 100 U/ML INJ NOV
OLIN R^HS501^INSULIN REG HUMAN 100 U/ML INJ NOVOLIN R^00169-1833-11^^1^0^1^VI^4
.390^1^^9^1002942768^11247^3010901^1^0^
^605^3010901^174069^000002930^ONCE^000002224^INSULIN REG HUMAN 100 U/ML INJ NOV
OLIN R^HS501^INSULIN REG HUMAN 100 U/ML INJ NOVOLIN R^00169-1833-11^^1^0^1^VI^4
.390^1^^9^1002961216^11247^3010901^2^0^
^605^3010817^225^000005243^BID^000009953^BUPROPION HCL 100MG TAB^CN609^BUPROPIO
N HCL 100MG TAB^00173-0178-55^^1^0^1^TAB^0.467^6^^6RO^6050024053^1793^3010901^1
9^0^
^605^3010901^151^000004791^ONCE^000002705^DEXTROSE 50% INJ^HS503^DEXTROSE 50% I
NJ 50ML^00074-4902-34^^0^0^1^SYR^2.032^1^^6^1008234143^13868^3010901^1^0^
^605^3010901^37^000008132^ONCE^000002705^FUROSEMIDE 10MG/ML INJ^CV702^FUROSEMID
E 10MG/ML INJ 10ML AMP^00039-0061-08^^1^1^1^AMP^1.824^1^^6^1002926820^13868^301
0901^1^0^
^605^3010901^85^000000702^ONCE^000008484^MEPERIDINE HCL 50MG/ML INJ^CN101^MEPER
IDINE HCL 50MG/ML INJ TUBEX^00074-1178-31^N/F^1^0^1^TUBEX^0.357^1^N/F^2A^100292
6572^13892^3010901^2^0^
^605^3010901^174070^000001512^QD PRN/DRY-NOSE^000008484^SODIUM CHLORIDE 0.65% S
```

```
Subj: V. 4.0 PBMUD 3010900 1/1 605 JERRY L PETTIS VAMC  [#7680]   Page 2
-------------------------------------------------------------------------------
OLN,NASAL^NT900^SODIUM CHLORIDE 0.65% NASAL SOLN^00256-0152-01^^1^0^1^ML^0.058^
1^^9^1002930345^13892^3010901^2^0^
^605^3010901^174071^000005474^Q6H PRN/PAIN^000002705^OXYCODONE HCL 5MG/ACETAMIN
OPHEN 325MG TAB^CN101^OXYCODONE 5MG ACETAMINOP 325MG TAB U/D^00060-0127-65^^1^0
^1^TAB^0.098^1^^2A^1004887216^13868^3010901^1^0^
^605^3010901^24^000003573^ONCE^000002224^LOPERAMIDE HCL 2MG CAP^GA400^LOPERAMID
E HCL 2MG CAP U/D^50458-0400-01^^1^0^2^CAP^0.140^2^^6^1003571292^11247^3010901^
6^0^
^605^3010901^174084^000002876^QD^000002224^ASCORBIC ACID 100MG/ML SOLN^VT400^AS
CORBIC ACID 100MG/ML SOLN^00074-3492-01^^1^0^1^ML^0.166^1^^9^1002933134^11247^3
010901^1^0^
^605^3010901^68^000002909^Q8H PRN^000009953^NIFEDIPINE 10MG CAP^CV200^NIFEDIPIN
E 10MG CAP U/D^00069-2600-41^^1^1^1^CAP^0.430^2^^6R^1002928869^1793^3010901^2^0
^
^605^3010901^174073^000007715^HSPRN INSOMNIA^000009621^TEMAZEPAM 15MG CAP^CN302
^TEMAZEPAM 15MG CAP U/D^51079-0418-20^^1^0^1^CAP^0.064^1^^4^1002937819^13860^30
10901^1^0^
^605^3010901^27^000003703^ONCE^000005115^POTASSIUM CHLORIDE 10MEQ TAB,SA^TN403^
POTASSIUM CHLORIDE 10MEQ SA TAB^00245-0041-15^^1^0^4^TAB^0.035^4^^6^1002928901^
10910^3010901^16^0^
```

Example: Unit Dose - Statistical Data Message

```
Subj: V. 4.0 PBMUD 3010900 605 JERRY L PETTIS VAMC  [#7681]
07/19/04@17:04  691 lines
From: PBMPHARMACIST,SEVEN  In 'IN' basket.   Page 1
-------------------------------------------------------------------------
Unit Dose Statistical Data for SEP 01, 2001 through SEP 30, 2001


                                               Total        Total
                                               Dispensed    Dispensed
Drug Name                                      Units        Cost
-------------------------------------------------------------------------
ABACAVIR SUL 300MG TAB                          57.00        204.23
ABSORBASE TOP OINT                              14.00          0.07
ACCU-CHEK COMFORT CV(GLUCOSE) TEST STRIP        12.00          3.98
ACETAMINOP 300MG/COD 30MG/12.5ML ELI U/D       133.00         25.80
ACETAMINOPHEN 300MG/COD 30MG TAB U/D           945.00        153.09
ACETAMINOPHEN 325MG TAB U/D                   2181.00         28.35
ACETAMINOPHEN 325MG/10.15ML ELIXIR U/D           2.00          0.27
ACETAMINOPHEN 500MG TAB U/D                    134.00          3.89
ACETAMINOPHEN 650MG RTL SUPP                    19.00          6.02
ACETAMINOPHEN 650MG/25ML ELIXIR U/D            280.00         37.80
ACETYLCYSTEINE 10% INHL SOLN                     1.00          0.18
```

```
Subj: V. 4.0 PBMUD 3010900 605 JERRY L PETTIS VAMC  [#7681]   Page 2
-------------------------------------------------------------------------
ACETYLCYSTEINE 20% INHL SOLN                    12.00          3.17
ACYCLOVIR 200MG CAP                             64.00          3.21
ACYCLOVIR 800MG TAB                              9.00          1.19
ALBUTEROL 0.5% INHL SOLN                        12.00          3.73
ALBUTEROL 2MG TAB U/D                           57.00          5.13
ALBUTEROL 4MG TAB U/D                           60.00          8.16
ALBUTEROL 90/IPRATROP 18MCG 200D PO INHL        23.00        460.00
ALBUTEROL 90MCG 200D ORAL INHL                 398.00        656.70
ALBUTEROL SO4 0.083% INHL 3ML                   55.00         10.69
ALENDRONATE 10MG TAB #                          63.00         65.65
ALENDRONATE 40MG TAB #                          10.00         26.39
ALLOPURINOL 100MG TAB U/D                       55.00          1.71
ALLOPURINOL 300MG TAB U/D                       61.00          3.36
ALOH/MGOH/SIMTH REG STRENGTH LIQ *              39.00         17.16
ALOH/MGOH/SIMTH XTRA STRENGTH LIQ               43.00         19.01
ALPRAZOLAM 0.5MG TAB U/D                        39.00          1.83
ALPRAZOLAM 1MG TAB U/D                           7.00          0.46
AMANTADINE HCL 100MG CAP U/D                    22.00          3.06
AMINOCAPROIC ACID 500MG TAB #                   10.00         11.01
AMIODARONE HCL (CORDARONE) 200MG TAB           197.00        229.31
```

Example: Unit Dose – AMIS Summary Report Message

```
Subj: V.4.0 PBMUD 3010900 605 JERRY L PETTIS VAMC  [#7682] 07/19/04@17:04
31 lines
From: PBMPHARMACIST,EIGHT  In 'IN' basket.   Page 1
---------------------------------------------------------------------------
UD AMIS Summary for SEP 1,2001 through SEP 30,2001 for JERRY L PETTIS VAMC


                            NET
                 DOSES   DOSES   DOSES    TOTAL     AVG COST
DIVISION         DISP    RET     DISP     COST      PER DOSE
---------------------------------------------------------------------------
JERRY L PETTIS VA 444958     0   444958 $ 397864.51 $    .89
---------------------------------------------------------------------------
Total            444958      0   444958 $ 397864.51 $    .89


Division              Specialty            Total Patient Days of Care
---------------------------------------------------------------------------
JERRY L PETTIS VAMC    PSYCHIATRY                    320
                       INTERMEDIATE                  -30
                       MEDICINE                     1664
                       NEUROLOGY                      53
                       REHAB MEDICINE                  0
```

```
Subj: V.4.0 PBMUD 3010900 605 JERRY L PETTIS VAMC  [#7682]   Page 2
---------------------------------------------------------------------------
                       SURGERY                       961
                       VA NURSING HOME              2974
---------------------------------------------------------------------------
JERRY L PETTIS VAMC Total                           5942



---------------------------------------------------------------------------
Grand Total                                         5942
```

Example: Unit Dose –Patient Demographic Summary Report Message

```
Subj: V. 4.0 PBMPD 30109 605 JERRY L PETTIS VAMC  [#7683] 07/19/04@17:06
15 lines
From: PBMPHARMACIST,EIGHT  In 'IN' basket.   Page 1
--------------------------------------------------------------------------
PHARMACY INPATIENT (UD) UNIQUE PATIENTS REPORT            JUL 19, 2004
--------------------------------------------------------------------------
              SEP 01, 2001  through  SEP 30, 2001
==========================================================================
                                                 UNIQUE
--------------------------------------------------------------------
TOTAL patients across all divisions:             637
--------------------------------------------------------------------
    JERRY L PETTIS VAMC Division:                637
                                                 ----------
    Inpatient Total of all Divisions:            637

**PLEASE NOTE: Final TOTAL may not match sum of all SUBTOTALS.  A patient may
have been provided pharmacy services at more than one outpatient and/or
inpatient division.
```

Example: Unit Dose – Detail Report Message

```
Subj: V. 4.0 PBMLR 30109 1/1 605 JERRY L PETTIS VAMC  [#7684]
07/19/04@17:06  2811 lines
From: PBMPHARMACIST,SEVEN  In 'IN' basket.   Page 1
--------------------------------------------------------------------------------
^605^000004791^^121^^GLYBURIDE 5MG TAB^GLUCOSE^48 MG/DL^L^3010830.13^
^605^000004791^^121^^GLYBURIDE 5MG TAB^SGOT (AST)^37 IU/L^^3010830.13^
^605^000004791^^121^^GLYBURIDE 5MG TAB^HEMOGLOBIN A1C (LAB)^8.9 % ^H^3010724.13
^
^605^000004791^^121^^GLYBURIDE 5MG TAB^SGPT (ALT)^61 IU/L^^3010830.13^
^605^000004791^^122^^GLYBURIDE 5MG TAB^GLUCOSE^48 MG/DL^L^3010830.13^
^605^000004791^^122^^GLYBURIDE 5MG TAB^SGOT (AST)^37 IU/L^^3010830.13^
^605^000004791^^122^^GLYBURIDE 5MG TAB^HEMOGLOBIN A1C (LAB)^8.9 % ^H^3010724.13
^
^605^000004791^^122^^GLYBURIDE 5MG TAB^SGPT (ALT)^61 IU/L^^3010830.13^
^605^000002909^^68^^NIFEDIPINE 10MG CAP U/D^CREATININE^0.9 MG/DL^^3010809.06000
1^
^605^000007287^^50^^NIFEDIPINE 60MG SA TAB^CREATININE^1.9 MG/DL^H^3010831.19000
1^
^605^000005137^^5^^FOSINOPRIL NA 40MG TAB^CREATININE^1.3 MG/DL^^3010831.175508^
^605^000005137^^5^^FOSINOPRIL NA 40MG TAB^POTASSIUM^5.2 mmol/L^H^3010831.175508
^
^605^000005137^^8^^FOSINOPRIL NA 20MG TAB^CREATININE^1.3 MG/DL^^3010831.175508^
```

```
Subj: V. 4.0 PBMLR 30109 1/1 605 JERRY L PETTIS VAMC  [#7684]   Page 2
--------------------------------------------------------------------------------
^605^000005137^^8^^FOSINOPRIL NA 20MG TAB^POTASSIUM^5.2 mmol/L^H^3010831.175508
^
^605^000001512^^6^^FELODIPINE 5MG SA TAB^CREATININE^1.0 MG/DL^^3010831.140818^
^605^000001512^^10^^LISINOPRIL 20MG TAB U/D^CREATININE^1.0 MG/DL^^3010831.14081
8^
^605^000001512^^10^^LISINOPRIL 20MG TAB U/D^POTASSIUM^4.1 mmol/L^^3010831.14081
8^
^605^000001512^^12^^SIMVASTATIN 20MG TAB U/D^CHOLESTEROL^152 MG/DL^^3010622.120
715^
^605^000001512^^12^^SIMVASTATIN 20MG TAB U/D^SGOT (AST)^14 IU/L^^3010831.140818
^
^605^000001512^^12^^SIMVASTATIN 20MG TAB U/D^TRIGLYCERIDE^309 MG/DL^H^3010622.1
20715^
^605^000001512^^12^^SIMVASTATIN 20MG TAB U/D^HDL CHOLESTEROL^35 MG/DL^L^3010622
.120715^
^605^000001512^^12^^SIMVASTATIN 20MG TAB U/D^LDL CHOLESTEROL^55.2 MG/DL^^301062
2.120715^
^605^000001512^^12^^SIMVASTATIN 20MG TAB U/D^SGPT (ALT)^26 IU/L^L^3010831.14081
8^
^605^000008018^^65^^RANITIDINE HCL 150MG TAB^CREATININE^3.1 MG/DL^H^3010830.06^
```

Example: Unit Dose – Laboratory Statistical Summary Message

```
Subj: V. 4.0 PBMLR 30109  605 JERRY L PETTIS VAMC  [#7685] 07/19/04@17:06  6 lines
From: PBMPHARMACIST,EIGHT  In 'IN' basket.   Page 1
--------------------------------------------------------------------------------
              Laboratory Statistical Summary
              SEP 1,2001 through SEP 30,2001 for JERRY L PETTIS VAMC

Total Patients        328
Total Laboratory Tests  1490
```

Example: Unit Dose – Laboratory Data Summary Message

```
Subj: V. 4.0 PBMLR 30109  605 JERRY L PETTIS VAMC  [#7686] 07/19/04@17:06  1496 lines
From: PBMPHARMACIST,EIGHT  In 'IN' basket.   Page 1
--------------------------------------------------------------------------------
           Laboratory Data Summary
           SEP 1,2001 through SEP 30,2001 for JERRY L PETTIS VAMC


Patient SSN   VA CODE  Laboratory        Results       Flag  Date/Time Taken
--------------------------------------------------------------------------------
000006505     CV350    CHOLESTEROL       128 MG/DL      L    08/09/01 0752
                       SGOT (AST)        18 IU/L             08/09/01 0752
                       TRIGLYCERIDE      48 MG/DL            08/09/01 0752
                       HDL CHOLESTEROL   50 MG/DL            08/09/01 0752
                       LDL CHOLESTEROL   68.4 MG/DL          08/09/01 0752
                       SGPT (ALT)        33 IU/L             08/09/01 0752
              CV800    CREATININE        0.8 MG/DL           08/09/01 0752
                       POTASSIUM         4.9 mmol/L          08/09/01 0752
              GA301    CREATININE        0.8 MG/DL           08/09/01 0752
000008660     CV350    CHOLESTEROL       113 MG/DL      L    08/30/01 1021
                       SGOT (AST)        16 IU/L             08/30/01 1021
                       TRIGLYCERIDE      95 MG/DL            08/30/01 1021
                       HDL CHOLESTEROL   32 MG/DL            08/30/01 1021
```

[A portion of this statistical data message has been removed to save space.]

```
Subj: V. 4.0 PBMLR 30109  605 JERRY L PETTIS VAMC  [#7686]   Page 3
--------------------------------------------------------------------------------
000006224     CV200    CREATININE        1.2 MG/DL           08/31/01 0600
              CV800    CREATININE        1.2 MG/DL           08/31/01 0600
                       POTASSIUM         3.2 mmol/L     L    08/31/01 0600
000003822     CV200    CREATININE        1.8 MG/DL      H    08/30/01 0813
              CV350    CHOLESTEROL       124 MG/DL      L    04/18/01 1018
                       SGOT (AST)        23 IU/L             08/30/01 0813
                       TRIGLYCERIDE      80 MG/DL            04/18/01 1018
                       HDL CHOLESTEROL   44 MG/DL            04/18/01 1018
                       LDL CHOLESTEROL   64.0 MG/DL          04/18/01 1018
                       SGPT (ALT)        38 IU/L             08/30/01 0813
              GA301    CREATININE        1.8 MG/DL      H    08/30/01 0813
545568208     HS502    GLUCOSE           155 MG/DL      H    04/26/01 1508
                       SGOT (AST)        23 IU/L             01/19/01 0600
                       SGPT (ALT)        48 IU/L             01/19/01 0600
000008739     CV350    CHOLESTEROL       280 MG/DL      H    04/03/01 0839
                       SGOT (AST)        18 IU/L             07/24/01 1706
                       TRIGLYCERIDE      189 MG/DL      H    04/03/01 0839
                       HDL CHOLESTEROL   47 MG/DL            04/03/01 0839
                       LDL CHOLESTEROL   195.2 MG/DL    H    04/03/01 0839
                       SGPT (ALT)        40 IU/L             07/24/01 1706
```

Example: Unit Dose – Timing Report Message

```
Subj: PBM TIMING for report SEP 01, 2001 to SEP 30, 2001 from 605 JERRY
[#7687] 07/19/04@17:06  7 lines
From: PBMPHARMACIST,EIGHT  In 'IN' basket.   Page 1
--------------------------------------------------------------------------
Unit Dose            JUL 19,2004@16:00   JUL 19,2004@17:06   1 hrs,  6 min
Laboratory Results   JUL 19,2004@17:06   JUL 19,2004@17:06   0 hrs,  0 min
--------------------------------------------------------------------------

**NOTE:  Timing for the Provider Data extract is not recorded when the
         the IV, Unit Dose, Prescription, and Patient Demographics extracts
         are run concurrently.
```

Example: Unit Dose – Confirmation Message

```
Subj: PBM Stats for SEP 01, 2001 to SEP 30, 2001 from 605 JERRY L PETTI
[#7688] 07/19/04@17:06  7 lines
From: PBMPHARMACIST,EIGHT  In 'IN' basket.   Page 1
----------------------------------------------------------------------
The chart below shows the package(s) whose dispensing statistics were
Extracted by the PBM Manual Pharmacy Statistics option.

PACKAGE                     # Line items    # MailMan msgs
----------------------------------------------------------------------
Unit Dose                      9942            1
Laboratory Results             2811            1
```

4.3. AR/WS Extract

New functionality created in recent enhancements provides a means to break down all AR/WS dispensing workload by division or outpatient site.

4.3.1.   Statistics Format

Data element specifications are defined in detail in the tables below.

AR/WS STATISTICS DATA FIELD SPECIFICATIONS				
DATA ELEMENT	**FILE #**	**FIELD #**	**PIECE # IN RECORD SENT**	**DESCRIPTION**
Sender (facility number)	Medical Center Division file (#40.8) or Outpatient Site file (#59)	Facility Number field (#1) or Site Number field (#.06)	2	The division or outpatient site that the AOU is mapped to will determine the sender.
Breakdown by Outpatient Division or Inpatient Site not possible indicator			3	If records could not be broken down to an Outpatient Site or Inpatient division, an "H" is sent.
Month & Year of Report			4	Sent in the following format: "29808" represents 8/98
VA Product Name	Drug file (#50)	VA Product Name field (#21)	5	
VA Drug Class	Drug file (#50)	VA Classification field (#2)	6	
NDC	Drug file (#50)	NDC field (#31)	7	
Generic Drug Name	Drug file (#50)	Generic name field (#.01)	8	
Formulary/Non-Formulary Indicator	Drug file (#50)	Non –Formulary field (#51)	9	If field set to "1", the program sends "N/F".
National Formulary Indicator	VA Product file (#50.68)	National Formulary Indicator field (#17)	10	Send "1" for Yes; "0" for No; otherwise null if no data found.
National Formulary Restriction	VA Product file (#50.68)	National Formulary Restriction sub-field (#.01)	11	If data is found, send "1"; otherwise "0"
Dispense Unit	Drug file (#50)	Dispense Unit field (#14.5)	12	
Cost Per Dispense Unit	Drug file (#50)	Price Per Dispense Unit field (#16)	13	

AR/WS STATISTICS DATA FIELD SPECIFICATIONS				
DATA ELEMENT	**FILE #**	**FIELD #**	**PIECE # IN RECORD SENT**	**DESCRIPTION**
AMIS Category	Drug file (#50)	AR/WS AMIS Category field (#301)	14	IF "0", Send 03 or 04. If "1", Send 06 or 07. If "2", Send 17. If "3", Send 22.
AMIS Conversion Number	Drug file (#50)	AR/WS AMIS Conversion Number field (#302)	15	
Total Quantity Dispensed (Net)	CATEGORY multiple (#1) within the RECALCULATE AMIS multiple (#2) within the INPATIENT SITE multiple (#1) within the AR/WS STATS file (#58.5)	QUANTITY Dispensed sub-field (#1) CATEGORY sub-field (#.01)	16	Qty Dispensed: If category is "A" or "W" – dispensed. Qty Returned: If category is "RA" or "RW" – returned. Net amount dispensed = Qty dispensed – Qty returned.
VISN Formulary Indicator	Drug file (#50)	VISN Non-Formulary field (#52)	17	If "1" is found, send N/F, otherwise null if no data is found.
DEA, Special Handling	Drug file (#50)	DEA, Special Hdlg field (#3)	18	
Total Quantity Dispensed	CATEGORY multiple (#1) within the RECALCULATE AMIS multiple (#2) within the INPATIENT SITE multiple (#1) within the AR/WS STATS file (#58.5)	QUANTITY DISPENSED sub-field (#1) CATEGORY sub-field (#.01)	19	If the CATEGORY sub-field (#.01) is set to "Automatic Replenishment" or " Ward Stock", the QUANTITY DISPENSED sub-field (#1) shall be counted for each dispense drug. The sum of all quantities dispensed shall be transmitted as the Total Quantity Dispensed data element.
Total Quantity Returned	CATEGORY multiple (#1) within the RECALCULATE AMIS multiple (#2) within the INPATIENT SITE multiple (#1) within the AR/WS STATS file (#58.5)	QUANTITY DISPENSED sub-field (#1) CATEGORY sub-field (#.01)	20	If the CATEGORY sub-field (#.01) is set to "Returns – Auto Replenished" or "Returns – Ward Stocked", the QUANTITY DISPENSED sub-field (#1) shall be counted for each dispense drug. The sum of all quantities returned shall be transmitted as the Total Quantity Returned data element.

Within the AR/WS extract, Medical Center Divisions are selected from the MEDICAL CENTER DIVISION file (#40.8) NAME field (#.01). Outpatient Sites are selected from the OUTPATIENT SITE file (#59) NAME field (#.01). The user may select an active or inactive Outpatient Site. **Inactive** shall be displayed next to a selected inactive Outpatient Site.

4.3.2. Example MailMan Messages

A MailMan message is constructed in a double up-arrow (^^) delimited format as shown in the following example.

Example: AR/WS – Detail Report Message

```
Subj: V. 4.0 PBMAR 30109 1/1 605 JERRY L PETTIS VAMC  [#7421]
07/15/04@16:56  383 lines
From: PBMPHARMACIST,EIGHT  In 'IN' basket.   Page 1
--------------------------------------------------------------------
^605^^30109^Unknown VA Product Name^CN103^00839-6001-92^ACETAMINOPHEN 650MG RTL
 SUPP^^^0^EA^0.317^03 or 04^1^12^^9R^12^^
^605^^30109^Unknown VA Product Name^RE400^00087-0572-03^ACETYLCYSTEINE 20% INHL
 SOLN^^^0^ML^0.264^06 or 07^1^3^^6^3^^
^605^^30109^ALBUTEROL 90MCG/SPRAY INHL,ORAL^RE102^59930-1560-01^ALBUTEROL 90MCG
 200D ORAL INHL^^1^0^EA^1.650^06 or 07^1^99^^6^99^^
^605^^30109^ALCOHOL,ISOPROPYL 70% LIQUID,TOP^DE101^00574-0067-16^ALCOHOL ISOPRO
PYL 70%^^1^0^ML^0.004^06 or 07^1^88318^^9^88318^^
^605^^30109^AMIODARONE HCL (CORDARONE) 200MG TAB^CV300^00008-4188-04^AMIODARONE
 HCL (CORDARONE) 200MG TAB^^1^0^TAB^1.164^06 or 07^1^15^^6RO^15^^
^605^^30109^COMPOUND BENZOIN CONC LIQUID,TOP^DE900^10648-0800-08^BENZOIN TINCTU
RE SPRAY 135GM U4070^^0^0^BT^4.500^06 or 07^1^13^^9^13^^
^605^^30109^BENZOCAINE 20% SPRAY,TOP^DE700^00283-0679-02^BENZOCAINE 20% TOP SPR
AY^^0^0^ML^0.203^06 or 07^60^1683^^6^1683^^
^605^^30109^BENZOCAINE 20% GEL^NT300^00283-0871-31^BENZOCAINE 20% TOP GEL^^1^0^
GM^4.700^06 or 07^1^6^^9^6^^
^605^^30109^BISACODYL 10MG SUPP,RTL^RS300^00597-0052-50^BISACODYL 10MG RTL SUPP
^^1^0^EA^0.027^03 or 04^1^62^^9^62^^
```

```
Subj: V. 4.0 PBMAR 30109 1/1 605 JERRY L PETTIS VAMC  [#7421]   Page 2
--------------------------------------------------------------------
^605^^30109^CALCITRIOL 0.25MCG CAP^VT502^00004-0143-01^CALCITRIOL 0.25MCG CAP^^
1^0^CAP^0.746^06 or 07^1^300^^6^300^^
^605^^30109^COLCHICINE 0.6MG TAB^MS400^00143-1201-10^COLCHICINE 0.6MG TAB^^1^0^
TAB^0.0386^06 or 07^1^16^^6^16^^
^605^^30109^B-TRACIN 400UNT/HC 1%/N-MYCIN 3.5MG/POLYMYX 10000UNT/GM OINT,OPH^OP
350^00081-0196-88^BACITRACIN/HC 1%/NEO/POLYMYX OPH OINT^^1^0^TUBE^11.140^06 or
07^2^140^^6^140^^
^605^^30109^HC 1%/N-MYCIN 3.5MG/POLYMYX 10000UNT/ML SUSP,OTIC^OT250^24208-0635-
62^HC 1%/NEOMYCIN 3.5MG/POLYMYXIN OTIC SUSP^^1^0^ML^0.126^06 or 07^1^6^^6^6^^
^605^^30109^CYANOCOBALAMIN 1000MCG/ML INJ^VT101^00517-0031-25^CYANOCOBALAMIN 10
00MCG/ML INJ^^1^0^ML^0.450^03 or 04^10^160^^6^160^^
^605^^30109^CYCLOPENTOLATE HCL 1% SOLN,OPH^OP600^17478-0100-12^CYCLOPENTOLATE H
CL 1% OPH SOLN^^1^0^ML^0.2713^06 or 07^1^4^^6^4^^
^605^^30109^DACRIOSE SOLN,OPH,IRRG^OP500^00058-0727-15^DACRIOSE OPH IRRG^^0^0^M
L^0.015^06 or 07^30^8^^9^8^^
^605^^30109^DEXAMETHASONE NA PHOSPHATE 4MG/ML INJ,SOLN^HS051^63323-0165-05^DEXA
METHASONE SOD PHOS 4MG/ML 5ML VI^^1^0^VI^2.540^03 or 04^5^51^^6^51^^
^605^^30109^DIBUCAINE 1% OINT,TOP^DE700^00143-5012-31^DIBUCAINE 1% OINT^^1^0^GM
^0.026^06 or 07^1^2^^9^2^^
^605^^30109^DIPHENHYDRAMINE HCL 50MG/ML INJ^AH200^00071-4259-03^DIPHENHYDRAMINE
```

Example: AR/WS - Data Records Not Broken Down To Outpatient Site or Inpatient Division Message

```
Subj: V. 4.0 PBMAR 30109 1/1 605 JERRY L PETTIS VAMC  [#8977]
08/18/04@14:06  9 lines
From: PBMPHARMACIST,TEN  In 'IN' basket.   Page 1
--------------------------------------------------------------------------------
^605^^30109^Unknown VA Product Name^RE400^00087-0572-03^ACETYLCYSTEINE 20% INHL
 SOLN^^^0^ML^0.264^06 or 07^1^3^^6^3^^
^605^^30109^ALBUTEROL 90MCG/SPRAY INHL,ORAL^RE102^59930-1560-01^ALBUTEROL 90MCG
 200D ORAL INHL^^1^0^EA^1.650^06 or 07^1^8^^6^8^^
^605^^30109^SODIUM CHLORIDE 0.9% SOLN^PH000^49502-0830-05^SODIUM CHLORIDE 0.9%
INHL 5ML^^0^0^5ML^0.071^03 or 04^100^500^^9^500^^
^605^^30109^IPRATROPIUM BR 18MCG/SPRAY AEROSOL,INHL^RE105^00597-0082-14^IPRATRO
PIUM BROMIDE 18MCG 200D ORAL INHL^^1^1^EA^17.580^06 or 07^1^8^^6^8^^
^605^^30109^ALBUTEROL 0.5% SOLN,INHL^RE102^0173-0385-58^ALBUTEROL 0.5% INHL SOL
N^^1^0^ML^0.311^06 or 07^1^30^^6^30^^
```

Example: AR/WS - Statistical Data Message

```
Subj: V. 4.0 PBMAR 30109 605 JERRY L PETTIS VAMC  [#7422] 07/15/04@16:56
396 lines
From: PBMPHARMACIST,TWO  In 'IN' basket.   Page 1
--------------------------------------------------------------------------------
          Automatic Replenishment/Ward Stock Data Summary
          SEP 1,2001 through SEP 30,2001 for JERRY L PETTIS VAMC

                               Total      Total
                               Dispensed  Dispensed  AMIS
DRUG NAME                      Units      Cost       Category
--------------------------------------------------------------------------------
ABSORB GEL COMP SPONGE STERILE SIZE    24.00    334.87   06 or 07
ABSORB GEL SPONGE STERILE SIZE 100     20.00    254.46   06 or 07
ABSORB HEMOSTAT 4IN X 8IN PKT #        18.00    356.63   06 or 07
ACCU-CHEK COMFORT CURVE HI/LO CONTL    36.00    151.92   06 or 07
ACCU-CHEK COMFORT CV(GLUCOSE) TEST    311.00    103.25   06 or 07
ACETAMINOPHEN 325MG TAB U/D          1174.00     15.26   03 or 04
ACETAMINOPHEN 325MG/10.15ML ELIXIR    170.00     23.29   06 or 07
ACETAMINOPHEN 650MG RTL SUPP           12.00      3.80   03 or 04
ACETAMINOPHEN 650MG/25ML ELIXIR U/D    11.00      1.48   03 or 04
ACETIC ACID 2/HC 1% OTIC SOLN           4.00      0.74   06 or 07
ACETYLCYSTEINE 20% INHL SOLN            3.00      0.79   06 or 07
```

[A portion of this statistical data message has been removed to save space.]

```
Subj: V. 4.0 PBMAR 30109 605 JERRY L PETTIS VAMC  [#7422]   Page 20
--------------------------------------------------------------------------------
TROPICAMIDE 1% OPH SOLN               310.00    456.94   06 or 07
TUBERCULIN PPD 5TU/0.1ML 1ML VIAL      27.00     70.20   03 or 04
TUBEX INJECTOR, 1 & 2 ML SIZE,PLAST #  14.00     28.00   06 or 07
VERAPAMIL HCL 120MG TAB U/D            10.00      0.76   06 or 07
VERAPAMIL HCL 240MG SR TAB U/D         20.00      5.38   06 or 07
VITAMIN E 400 UNT CAP                  20.00      0.82   06 or 07
WARFARIN (COUMADIN) NA 2MG TAB         16.00      2.01   06 or 07
WARFARIN SOD 5MG TAB U/D                6.00      0.02   06 or 07
WATER STERILE FOR INJ USP 10ML VI      10.00      1.76   06 or 07
X-PREP LIQUID 74ML #                   20.00    106.00   06 or 07
ZZDIVALPROEX SODIUM 250MG EC TAB U/    26.00      8.84   06 or 07
ZZPSYLLIUM SF ORAL PWD                 62.00      2.29   06 or 07
--------------------------------------------------------------------------------
TOTALS                             358359.0   233776.1

* Non-Formulary
# Not on National Formulary
```

Example: AR/WS - AMIS Summary Report Message

```
Subj: V. 4.0 PBMAR 30109 605 JERRY L PETTIS VAMC  [#7423] 07/15/04@16:56
43 lines
From: PBMPHARMACIST,TWO  In 'IN' basket.   Page 1
-------------------------------------------------------------------------------
Automatic Replenishment/Ward Stock AMIS Summary
SEP 1,2001 through SEP 30,2001 for JERRY L PETTIS VAMC

AR/WS DOSES:
                         DOSES      DOSES      NET DOSES     TOTAL      AVE COST
DIVISION                 DISPENSED  RETURNED   DISPENSED     COST       PER DOSE
-------------------------------------------------------------------------------
JERRY L PETTIS VAM       33017.00   1656.00    31361.00  $   178015.49  $    5.67
-------------------------------------------------------------------------------
Total                    33017.00   1656.00    31361.00  $   178015.49  $    5.67


AR/WS UNITS:
                         UNITS      UNITS      NET UNITS     TOTAL      AVE COST
DIVISION                 DISPENSED  RETURNED   DISPENSED     COST       PER UNIT
-------------------------------------------------------------------------------
JERRY L PETTIS VAM       326745.00    15.00   326730.00  $    57943.48  $     .17
-------------------------------------------------------------------------------
```

```
Subj: V. 4.0 PBMAR 30109 605 JERRY L PETTIS VAMC  [#7423]   Page 2
-------------------------------------------------------------------------------
Total                    326745.00    15.00   326730.00  $    57943.48  $     .17


FLUIDS/SETS:
                         FLUIDS/SETS FLUIDS/SETS FLUIDS/SETS TOTAL      AVE COST
DIVISION                 DISPENSED   RETURNED    DISPENSED   COST       PER
                                                                        FLUIDS/SETS
-------------------------------------------------------------------------------
JERRY L PETTIS VAM         268.00      0.00      268.00   $    6099.46  $   22.75
-------------------------------------------------------------------------------
Total                      268.00      0.00      268.00   $    6099.46  $   22.75


BLOOD PRODUCTS
                         BLOOD PROD  BLOOD PROD  BLOOD PROD  TOTAL      AVE COST
DIVISION                 DISPENSED   RETURNED    DISPENSED   COST       PER
                                                                        BLOOD PROD
-------------------------------------------------------------------------------
JERRY L PETTIS VAM           0.00      0.00        0.00   $       0.00  $    0.00
-------------------------------------------------------------------------------


Subj: V. 4.0 PBMAR 30109 605 JERRY L PETTIS VAMC  [#7423]   Page 3
-------------------------------------------------------------------------------
Total                        0.00      0.00        0.00   $       0.00  $    0.00
```

Example: AR/WS - Unmapped Locations Message

```
Subj: PBM Unmapped Locations for SEP 1,2001 to SEP 30,2001 from 605 LOM
[#7424] 07/15/04@16:56  7 lines
From: PBMPHARMACIST,THREE  In 'IN' basket.   Page 1
-----------------------------------------------------------------------------
The locations listed below have not been mapped to a Medical Center
Division or Outpatient Site. All data extracted from these locations have
been attributed to 605 LOMA LINDA


AOUs:
There are no unmapped AOU's for the dates of this extract
```

Example: AR/WS - Timing Report Message

```
Subj: PBM TIMING for report SEP 01, 2001 to SEP 30, 2001 from 605 JERRY
[#7425] 07/15/04@16:56  6 lines
From: PBMPHARMACIST,TWO  In 'IN' basket.   Page 1
-----------------------------------------------------------------------------
AR/WS                  JUL 15,2004@16:55   JUL 15,2004@16:56   0 hrs,  1 min
-----------------------------------------------------------------------------

**NOTE:  Timing for the Provider Data extract is not recorded when the
         the IV, Unit Dose, Prescription, and Patient Demographics extracts
         are run concurrently.
```

Example: AR/WS - Confirmation Message

```
Subj: PBM Stats for SEP 01, 2001 to SEP 30, 2001 from 605 JERRY L PETTI
[#7426] 07/15/04@16:56  6 lines
From: PBMPHARMACIST,TWO  In 'IN' basket.   Page 1
-----------------------------------------------------------------------------
The chart below shows the package(s) whose dispensing statistics were extracted
by the PBM Manual Pharmacy Statistics option.

PACKAGE                    # Line items    # MailMan msgs
-----------------------------------------------------------------------------
AR/WS                          383              1
```

4.4. Prescription Extract

Active Prescription order records with dispensing activity for the time period the extract is run will be extracted.

Note: When the Prescription extract is run, the Patient Demographic Summary Report and Lab reports are automatically generated.

4.4.1. Statistics Format

Data element specifications for the Prescription extract are defined in the table below.

Note: Pieces 38-46 can repeat for a complex outpatient medication order (>1 dosing sequence). When a prescription is extracted that has more than one dosing sequence the prescription record with the first dosing sequence shall be transmitted in the PBMOP MailMan message. The prescription record with ALL dosing sequences will be transmitted in the new PBMOP(MULTIDOSE) MailMan message. In this MailMan message pieces 38-46 will repeat for each additional dosing sequence.

PRESCRIPTION STATISTICS DATA FIELD SPECIFICATIONS				
DATA ELEMENT	**FILE #**	**FIELD #**	**PIECE # IN RECORD SENT**	**DESCRIPTION**
Sender	OUTPATIENT SITE file (#59)	SITE NUMBER field (#.06)	2	
Fill date	PRESCRIPTION file (#52)	FILL DATE field (#22)	3	
Refill date		REFILL DATE field (#.01)		
	REFILL multiple (#52)	PARTIAL DATE field (#.01)		
Partial date				
	PARTIAL multiple (#60)			

PRESCRIPTION STATISTICS DATA FIELD SPECIFICATIONS				
DATA ELEMENT	**FILE #**	**FIELD #**	**PIECE # IN RECORD SENT**	**DESCRIPTION**
Release date	PRESCRIPTION file (#52) REFILL multiple (#52) PARTIAL multiple (#60)	RELEASED DATE/TIME field (#31) RELEASED DATE/TIME field (#17) RELEASED DATE/TIME field (#8)	4	
Prescription #	PRESCRIPTION file (#52)	RX # field (#.01)	5	
Prescription Patient status	Rx PATIENT STATUS file (#53)	SC/A&A/OTHER/ INPATIENT field (# 6)	6	If "1" send "SC"; If "2" send "AA"; If "3" send "OT"; If "4" send "IP"
Patient SSN	PATIENT file (#2)	SOCIAL SECURITY NUMBER field (#.09)	7	
VA Product Name	DRUG file (#50)	VA PRODUCT NAME field (#21)	8	
VA Drug Class	DRUG file (#50)	VA CLASSIFICATION field (#2)	9	
Generic Drug Name	DRUG file (#50)	GENERIC NAME field (#.01)	10	
NDC	PRESCRIPTION file (#52) CMOP EVENT multiple (#400) REFILL multiple (#52) PARTIAL multiple (#60) DRUG file (#50)	See description	11	1) If CMOP Rx data: CMOP Event Multiple (#400), NDC field (#4) 2) If data not found or not CMOP Rx: (Original fill) - NDC field (#27) (Refills) - REFILL multiple (#52) NDC field (#11) (Partials) - PARTIAL multiple (#60) NDC field (#1) 3) If data not found: DRUG file (#50) NDC field (#31) 4) If data not found - program sends "No NDC"

PRESCRIPTION STATISTICS DATA FIELD SPECIFICATIONS				
DATA ELEMENT	**FILE #**	**FIELD #**	**PIECE # IN RECORD SENT**	**DESCRIPTION**
Formulary/Non-Formulary Indicator	DRUG file (#50)	LOCAL NON-FORMULARY field (#51)	12	If field set to "1" the program sends "N/F"
National Formulary Indicator	VA PRODUCT file (#50.68)	NATIONAL FORMULARY INDICATOR field (#17)	13	Send "1" for Yes; "0" for No; otherwise null if no data found
National Formulary Restriction	VA PRODUCT FILE (#50.68) NATIONAL FORMULARY RESTRICTION multiple (#18)	NATIONAL FORMULARY RESTRICTION field (#.01)	14	If data is found send "1"; otherwise "0"
DEA Special Handling Field	DRUG File (#50)	DEA, SPECIAL HDLG field (# 3)	15	
New/Refill/Partial Indicator	N/A	N/A	16	If Rx is new/original, send "N"; refill Rx, send "R"; partial Rx, send "P".
CMOP Indicator	N/A	N/A	17	Send "Y" for Yes and "N" for No. Conditions apply. See user /technical manual for details
Mail/Window Indicator	PRESCRIPTION file (#52) REFILL multiple (#52) PARTIAL multiple (#60)	Original Fill: MAIL/WINDOW field (#11) Refills: MAIL/WINDOW field (#2) Partials: MAIL/WINDOW field (#.02)	18	Send "M" for mail; "W" for window.
Provider ID (SSN)	NEW PERSON File (#200)	SSN field (#9)	19	If no SSN is found, a null value will be transmitted
Provider Type	NEW PERSON File (#200)	PROVIDER TYPE field (#53.6)	20	If "4" send "F" for Fee; otherwise send "S" for Staff
N/A	N/A	N/A	21	The free text "signa" (SIG) shall no longer be extracted with the second enhancement patch. A null value will always be sent.

PRESCRIPTION STATISTICS DATA FIELD SPECIFICATIONS				
DATA ELEMENT	**FILE #**	**FIELD #**	**PIECE # IN RECORD SENT**	**DESCRIPTION**
Medication Counseling	PRESCRIPTION file (#52)	WAS THE PATIENT COUNSELED field (#41)	22	Send "Y" for Yes or "N" for No
Dispense Unit	DRUG file (#50)	DISPENSE UNIT field (#14.5)	23	
Price Per Dispense Unit	PRESCRIPTION file (#52)	Original Fill: UNIT PRICE OF DRUG field (#17)	24	
	REFILL multiple (#52)	Refills: CURRENT UNIT PRICE OF DRUG (#1.2)		
	PARTIAL multiple (#60)	Partials: CURRENT UNIT PRICE OF DRUG field (#.042)		
Days Supply	PRESCRIPTION file (#52)	Original Fill: DAYS SUPPLY field (#8)	25	
	REFILL multiple (#52)	Refills: DAYS SUPPLY field (#1.1)		
	PARTIAL multiple (#60)	Partials: DAYS SUPPLY field (#.041)		
Total Qty Dispensed	PRESCRIPTION file (#52)	Original Fill: QTY field (#7)	26	
	REFILL multiple (#52)	Refills: QTY field (#1)		
	PARTIAL multiple (#60)	Partials: QTY field (#.04)		
VISN Formulary Indicator	DRUG file (#50)	VISN NON-FORMULARY field (#52)	27	If "1" is found, send "N/F", otherwise null if no data is found.
Patient ICN	PATIENT file (#2)	INTEGRATION CONTROL NUMBER field (# 991.01) ICN CHECKSUM field (#991.02) (Values in both fields are concatenated with a "V".)	28	Free Text Example: "1010185893V199552" If an ICN does not exist send null.

PRESCRIPTION STATISTICS DATA FIELD SPECIFICATIONS				
DATA ELEMENT	FILE #	FIELD #	PIECE # IN RECORD SENT	DESCRIPTION
Provider Local IEN	NEW PERSON file (#200)	Internal Entry Number (IEN)	29	
Cancel Date	PRESCRIPTION file (#52)	CANCEL DATE field (#26.1)	30	If no cancel date is found, a null value will be sent. If a value is found, the internal format will be transmitted. Example: "3011001.0134"
Clinic	HOSPITAL LOCATION file (#44)	NAME field (#.01)	31	If no clinic is found, a null value will be sent.
CMOP ID	DRUG file (#50)	CMOP ID field (#27)	32	If no data is found in the CMOP ID field (#27), a null value will be sent.
Finishing RPh	NEW PERSON file (#200)	Internal Entry Number (IEN)	33	Facility # + IEN Data identified from the FINISHING PERSON field (#38) in the PRESCRIPTION file (#52).
Login Date	PRESCRIPTION file (#52) REFILL multiple (#52) PARTIAL multiple (#60)	Original fill: LOGIN DATE field (#21) Refills: LOGIN DATE field (#7) Partials: LOGIN DATE field (#.08)	34	The internal format will be transmitted. Example: "3011001.0900".
Copay Status	PRESCRIPTION file (#52)	COPAY TRANSACTION TYPE field (#105)	35	If a "1" or "2" is found send a "Y" for copay eligible; If no value is found send "N" for not copay eligible.
Expanded Patient Instructions	PRESCRIPTION file (#52) EXPANDED PATIENT INSTRUCTIONS multiple (#115)	EXPANDED PATIENT INSTRUCTIONS field (#.01)	36	If no expanded patient instructions are found, a null value will be sent.

PRESCRIPTION STATISTICS DATA FIELD SPECIFICATIONS				
DATA ELEMENT	**FILE #**	**FIELD #**	**PIECE # IN RECORD SENT**	**DESCRIPTION**
Multidose Flag	N/A	N/A	37	For a complex prescription record the following data elements that comprise the dosing sequence will repeat. Dosage Ordered Dispense Units Per Dose Units Noun Duration Conjunction Route Schedule Verb If a prescription record contains more than one dosing sequence, an "M" shall be transmitted to flag the prescription record as having a multiple dosing sequence. If only one dosing sequence exits, a null value shall be transmitted.
Dosage Ordered	PRESCRIPTION file (#52) MEDICATION INSTRUCTION multiple (#113)	DOSAGE ORDERED field (#.01)	38	
Dispense Units Per Dose	PRESCRIPTION file (#52) MEDICATION INSTRUCTION multiple (#113)	DISPENSE UNITS PER DOSE field (#1)	39	
Units	DRUG UNITS file (#50.607)	NAME field (#.01)	40	
Noun	PRESCRIPTION file (#52) MEDICATION INSTRUCTION multiple (#113)	NOUN field (#3)	41	If a noun does not exist, a null value will be transmitted.

PRESCRIPTION STATISTICS DATA FIELD SPECIFICATIONS				
DATA ELEMENT	**FILE #**	**FIELD #**	**PIECE # IN RECORD SENT**	**DESCRIPTION**
Duration	PRESCRIPTION file (#52) MEDICATION INSTRUCTION multiple (#113)	DURATION field (#4)	42	Duration can be entered in minutes, hours, days, weeks, or months. The internal format of the data shall be extracted, e.g. "14D or 14" represents 14 days, "1W" represents 1 week. If no duration exists a null value shall be transmitted.
Conjunction	PRESCRIPTION file (#52) MEDICATION INSTRUCTION multiple (#113)	CONJUNCTION field (#5)	43	The internal format of the data shall be extracted. Example: "A" for And, "T" for Then, and "X" for Except. If no conjunction exists, a null value shall be transmitted.
Route	MEDICATION ROUTES file (#51.2)	NAME field (#.01)	44	
Schedule	PRESCRIPTION file (#52) MEDICATION INSTRUCTION multiple (#113)	SCHEDULE field (#7)	45	
Verb	PRESCRIPTION file (#52) MEDICATION INSTRUCTION multiple (#113)	VERB field (#8)	46	If no verb is found, a null value will be transmitted.

Note: Pieces 38-46 can repeat for a complex outpatient medication order (>1 dosing sequence). When a prescription is extracted that has more than one dosing sequence, the prescription record with the first dosing sequence shall be transmitted in the PBMOP MailMan message. The prescription record with ALL dosing sequences will be transmitted in the new PBMOP(MULTIDOSE) MailMan message. In this MailMan message pieces 38-46 will repeat for each additional dosing sequence.

4.4.2. Example MailMan Messages

A MailMan message is constructed in a double up-arrow (^^) delimited format. The following is an example of the first (parent) data record sent for a Prescription order. Each IV additive and solution within an order will be sent as a separate data record.

Example: Prescription – Detail Report Message

```
Subj: V. 4.0 PBMOP 30109 1/13 605 LOMA LINDA VA  [#7597] 07/16/04@19:09
10000 lines
From: PBMPHARMACIST,SIX  In 'IN' basket.   Page 1
-----------------------------------------------------------------------
^605^3010523^3010907^437316A^OT^000008194^IPRATROPIUM BR 0.03% SOLN,SPRAY,NASAL
^NT900^IPRATROPIUM BR 0.03% NASAL SPRAY^00597-0081-30^^1^0^6^R^N^M^000008204^F^
*^N^ML^.6897^50^30^^1002937743^2723^3010830^^I0198^^^N^^AS NEEDED FOR PAIN^^10
CC (=2 TEASPOONSFUL)^^^^^^ORAL^Q4-6H^TAKE^
^605^3010830^3010904^3410498B^SC^000001852^IBUPROFEN 800MG TAB^MS102^IBUPROFEN
800MG TAB^353746137906^^1^0^6^R^Y^M^000009577^S^
*^N^TAB^.024^30^90^^1002944235^8893^^^I0006^^^N^^FOR PAIN^^1-2 TABLETS^^^^^^ORA
L^Q4-6H P^TAKE^
^605^3010830^3010904^3609546^SC^000005458^SERTRALINE HCL 100MG TAB^CN609^SERTRA
LINE HCL 100MG TAB^0049491073^^1^0^6RO^R^Y^M^000006209^S^
*^N^TAB^1.164^30^60^^1002940453^8547^^^S0013^^^N^^FOR DIARRHEA **DO NOT EXCEED
8 CAPSULES PER DAY**^^^2^1^MG^CAPSULE^^^ORAL^Q4-6H P ^TAKE^
^605^3010830^3010904^3609547^SC^000005458^DIVALPROEX NA 250MG TAB,EC^CN400^DIVA
LPROEX NA 250MG EC TAB^0074621453^^1^0^6^R^Y^M^000006209^S^
*^N^TAB^.367^30^90^^1002940453^8547^^^D0564^^^N^^FOR DIARRHEA **DO NOT EXCEED 8
 CAPSULES PER DAY**^^^2^1^MG^CAPSULE^^^ORAL^Q4-6H P ^TAKE^
^605^3010830^3010904^3609549^SC^000005458^BUPROPION HCL (ZYBAN) 150MG TAB,SA^CN
609^BUPROPION (ZYBAN) 150MG SA TAB PACK 60^301730556011^^1^0^6^R^Y^M^000006209^
```

```
Subj: V. 4.0 PBMOP 30109 1/13 605 LOMA LINDA VA  [#7597]   Page 2
-----------------------------------------------------------------------
S^
*^N^TAB^48.33^30^1^^1002940453^8547^^^B0395^^^N^^FOR DIARRHEA **DO NOT EXCEED 8
 CAPSULES PER DAY**^^^2^1^MG^CAPSULE^^^ORAL^Q4-6H P ^TAKE^
^605^3010830^3010904^3534711B^SC^000006593^CIMETIDINE 400MG TAB^GA301^CIMETIDIN
E 400MG TAB^5011155102^^1^0^6^R^Y^M^000007891^S^
*^N^TAB^.065^90^180^^1002935868^712^^^C0255^^^N^^FOR STOMACH ACID^^300^1^MG^TAB
LET^^^ORAL^BID^TAKE^
^605^3010906^3010906^3611451^SC^000009381^ALCOHOL PREP PAD^XA105^ALCOHOL PREP P
AD^00536-9920-01^^1^0^9S^R^N^W^000009999^S^
*^N^EA^.009^90^200^^1002940819^3926^^^XS678^^^N^^AFTER THE MORNING MEAL //TO RE
PLACE LANSOPROZOLE FOR STOMACH //^^1-2 TEASPOONSFUL^^^^^^ORAL^Q46H PRN^TAKE^
^605^3010830^3010906^3217544H^OT^000006338^BECLOMETHASONE DIPROPIONATE 42MCG/AC
TUAT POCKETHALER,INHL,NASAL^NT200^BECLOMETHASONE 42MCG 200D NASAL POCKETHL^3017
30336026^^0^0^6^R^Y^M^000001743^S^
*^N^EA^3.49^30^1^^1002932885^1610^3011120^^B0392^^^N^^AFTER THE MORNING MEAL //
TO REPLACE LANSOPROZOLE FOR STOMACH //^^1-2 TEASPOONSFUL^^^^^^ORAL^Q46H PRN^TAK
E^
^605^3010907^3010912^3289451B^OT^000001647^COLCHICINE 0.6MG TAB^MS400^COLCHICIN
E 0.6MG TAB^0143120110^^1^0^6^R^Y^M^000000057^S^
*^N^TAB^.007^30^30^^1002931852^1809^^^C0311^^^N^^AS NEEDED^^1 TABLET^^^^^^ORAL^
```

Example: Prescription – Detail Report Message

```
Subj: V. 4.0 PBMOP 30109 2/13 605 LOMA LINDA VA  [#7598] 07/16/04@19:09
10000 lines
From: PBMPHARMACIST,THREE  In 'IN' basket.   Page 1
-------------------------------------------------------------------------
^605^3010921^3010926^3653895A^SC^000006904^FLUNISOLIDE 250MCG/SPRAY/MENTHOL INH
L,ORAL^RE101^FLUNISOLIDE 250MCG/MENTHOL 100D ORAL INH^304560670995^^0^1^6^R^Y^M
^000006394^S^
*^N^EA^2.81^25^1^^1002926903^5316^3011221^^F0121^^^N^^FOR DIARRHEA^^1 CAPSULE^^
^CAPSULE(S)^^^ORAL^Q46H P^TAKE^
^605^3010909^3010913^3686296^SC^000007472^SULFASALAZINE 500MG TAB^GA900^SULFASA
LAZINE 500MG TAB^352544796056^^1^0^6^R^Y^M^000007891^S^
*^N^TAB^.054^30^120^^1002940246^712^3020326^^S0054^^^N^^FOR PAIN /HEADACHE **DO
 NOT TAKE MORE THAN 4000MG OF ACETAMINOPHEN PER DAY**^^1/2 TABLET (=10MG) ^^^TA
BLET(S)^^^ORAL^QD FBP^TAKE^
^605^3010831^3010905^3686316^OT^000001556^ACCU-CHEK COMFORT CURVE (GLUCOSE) TES
T STRIP^DX900^ACCU-CHEK COMFORT CV(GLUCOSE) TEST STRIP^075537303733^^1^0^9S^R^Y
^M^000009999^S^
*^N^EA^.3324^30^100^^1002926538^3926^3020207^^A1015^^^N^^** TAKE AFTER MEAL **
FOR STOMACH ACID^^1 TABLET^^^TABLET(S)^^^ORAL^QD^TAKE^
^605^3010831^3010905^3686319^OT^000001556^ACCU-CHEK COMFORT CURVE (GLUCOSE) HI/
LO CONTROL SOLN^DX900^ACCU-CHEK COMFORT CURVE HI/LO CONTL SOLN^075537304112^^1^
0^9S^R^Y^M^000009999^S^
```

```
Subj: V. 4.0 PBMOP 30109 2/13 605 LOMA LINDA VA  [#7598]   Page 2
-------------------------------------------------------------------------
*^N^EA^4.22^90^1^^1002926538^3926^3020207^^A1014^^^N^^** TAKE AFTER MEAL ** FOR
 STOMACH ACID^^1 TABLET^^^TABLET(S)^^^ORAL^QD^TAKE^
^605^3010831^3010904^421078D^OT^000005528^LEVOTHYROXINE NA 0.1MG TAB (SYNTHROID
)^HS851^LEVOTHYROXINE NA (SYNTHROID) 0.1MG TAB^0048107005^^1^0^6^R^Y^M^00000081
4^F^
*^N^TAB^.016^90^90^^1002943527^12163^3020123^^L0139^^^N^^FOR PAIN^^1-2 TABLETS^
^^^^^ORAL^Q4-6H P^TAKE^
^605^3010911^3010913^3350431D^OT^000002872^CYCLOBENZAPRINE HCL 10MG TAB^MS200^C
YCLOBENZAPRINE HCL 10MG TAB^0378075110^^1^0^6^R^Y^M^000002462^S^
*^N^TAB^.02^30^60^^1002928548^7181^3011231^^C0325^^^N^^FOR PAIN /HEADACHE **DO
NOT TAKE MORE THAN 4000MG OF ACETAMINOPHEN PER DAY**^^2 TABLETS^^^TABLET(S)^^^O
RAL^Q4-6H P^TAKE^
^605^3010829^3010901^3332150D^OT^000006597^Unknown VA Product Name^DX900^ADVANT
AGE ACCU-CHEK GLUCOSE TEST STRIP^075537005538^^^0^9SW^R^Y^M^000005262^S^
*^N^STRIP^.431^90^50^^1002931623^9399^3011228^^^^^N^^^^^^^^^^^^^
^605^3010829^3010901^3207413E^OT^000006597^ASPIRIN 325MG TAB,EC^CN103^ASPIRIN 3
25MG EC TAB^006030167218^^1^0^9^R^Y^M^000005262^S^
*^N^TAB^.011^90^100^^1002931623^9399^3011029^^A0414^^^N^^^^^^^^^^^^^
^605^3010831^3010901^3686381^OT^000006597^ISOSORBIDE DINITRATE 10MG TAB,ORAL^CV
250^ISOSORBIDE DINITRATE 10MG ORAL TAB^0781155610^^1^0^6^R^Y^M^000005262^S^
```

Example: Prescription – Outpatient Statistical Data Summary Message

```
Subj: V. 4.0 PBMOP 30109 605 LOMA LINDA VA  [#7610] 07/16/04@19:10
10 lines
From: PBMPHARMACIST,THREE  In 'IN' basket.   Page 1
-------------------------------------------------------------------------------
Outpatient Statistical Data Summary for SEP 1,2001 through SEP 30,2001


                                        Consolidated Mail Out Pharmacy (CMOP)

                           Total                              Total
Partials   Fills   Refills  Cost        Fills    Refills      Cost
-------------------------------------------------------------------------------
   538    13694     4609  621735.95     12846     29984    1179339.55

Avg. Cost/Fill = $33.00                  Avg. Cost/Fill = $27.54
```

Example: Prescription – Outpatient Statistical Data Message

```
Subj: V. 4.0 PBMOP 30109 605 LOMA LINDA VA  [#7611] 07/16/04@19:10  2225 lines
From: PBMPHARMACIST,THREE  In 'IN' basket.   Page 1
--------------------------------------------------------------------------------
Outpatient Statistical Data for SEP 1,2001 through SEP 30,2001

                                                        Total    Total Qty
Drug Name                         Partials   Fills   Refills  Cost   Dispensed
--------------------------------------------------------------------------------
A & D OINT                           0         1       0      0.30     60.00
ABACAVIR SUL 300MG TAB               1        10   27975      9.36   2760.00
ABSORBASE TOP OINT                   1        43     510      4.45  20887.00
ACARBOSE 50MG TAB                    0         3     117      9.55    630.00

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

```
Subj: V. 4.0 PBMOP 30109 605 LOMA LINDA VA  [#7611]   Page 2
--------------------------------------------------------------------------------
ACCU-CHEK COMFORT CURVE HI/LO CONTL SOLN   1    61      2    270.08     64.00
ACCU-CHEK COMFORT CV(GLUCOSE) TEST STRIP  13   130     63   5157.18  15515.00
ACETAMINOP 120MG/COD 12MG/5ML ELIX         0    12      4    150.00  10000.00
ACETAMINOPHEN 160MG/5ML LIQUID             0     1      0      1.92    480.00
ACETAMINOPHEN 300MG/COD 30MG TAB           1   306     81   1318.07  22417.00
ACETAMINOPHEN 300MG/COD 60MG TAB           0    20     39   2272.68   7890.00
ACETAMINOPHEN 325MG TAB                    0    38      9     52.62   5262.00
ACETAMINOPHEN 500MG TAB                    0    95     27     96.63  13804.00
ACETAZOLAMIDE 250MG TAB                    0     1      0      1.74     30.00
ACETAZOLAMIDE 500MG SA CAP                 0     1      0     33.12     60.00
```

Example: Prescription – Detail Report Message

```
Subj: V. 4.0 PBMOP(MULTIDOSE) 30109 1/1 605 LOMA LINDA VA  [#7630]
07/16/04@19:10  8 lines
From: PBMPHARMACIST,SIX  In 'IN' basket.   Page 1
-------------------------------------------------------------------------------
^605^3010924^3010924^3661331C^SC^000001672^INSULIN NOVOLIN 70/30 (NPH/REG) INJ
NOVO^HS501^INSULIN NOVOLIN 70/30 (NPH/REG) INJ NOVO^00169-1837-11^^1^0^9D^R^N^W
^000005782^S^
*^N^VI^4.49^30^1^^1003299051^9173^^^I0164^^^N^^FOR DIABETES --NOTE-- 90 DAY SUP
PLY GIVEN--^M^28 UNITS^^^^^T^SUB Q^QAM^INJECT^14 UNITS^^^^^^SUB Q^QPM^INJECT^
^605^3010926^3010929^3797392A^OT^000000815^INSULIN REG HUMAN 100 U/ML INJ NOVOL
IN R^HS501^INSULIN REG HUMAN 100 U/ML INJ NOVOLIN R^732849707016^^1^0^9^N^Y^M^0
00002494^S^
*^N^VI^4.49^90^3^^1008437887^3236^^IC/TRIAGE WALK-IN^I0153^605DANG,CHINH T^3010
926.112314^N^^AND PER SLIDING SCALE FOR DIABETES^M^13 UNITS^^^^^A^SUB Q^QAM^INJ
ECT^10 UNITS^^^^^^SUB Q^QPM^INJECT^
^605^3010926^3010926^3818361^SC^000008537^INSULIN NOVOLIN 70/30 (NPH/REG) INJ N
OVO^HS501^INSULIN NOVOLIN 70/30 (NPH/REG) INJ NOVO^00169-1837-11^^1^0^9D^N^N^W^
000001019^S^
*^^Y^VI^4.49^60^2^^1002928600^5582^3011204^MODULE 2 PHYSICIAN WALK-INS^I0164^605
CHAU,TOT VAN^3010926.12012^N^^FOR MUSCLE SPASM^M^22 UNITS^^^^^A^SUB Q^QAM^INJEC
T^10 UNITS^^^^^^SUB Q^QPM^INJECT^
^605^3010926^3010926^3682503A^SC^000003228^GABAPENTIN 300MG CAP^CN400^GABAPENTI
```

```
Subj: V. 4.0 PBMOP(MULTIDOSE) 30109 1/1 605 LOMA LINDA VA  [#7630]
Page 2
-------------------------------------------------------------------------------
N 300MG CAP^00071-0805-24^^1^0^6^N^N^W^000006386^S^
*^^Y^CAP^.617^30^90^^1002934089^1613^^GIM/CASTRO M1^G0104^605CHAU,TOT VAN^301092
6.135259^N^^FOR NERVES^M^1 CAPSULE^^^CAPSULE(S)^^A^ORAL^QAM^TAKE^2 CAPSULES ^^^
CAPSULE(S)^^^ORAL^QPM^TAKE^
```

Example: Prescription - Patient Demographic Summary Report

```
Subj: V. 4.0 PBMPD 30109 605 JERRY L PETTIS VAMC  [#7631] 07/16/04@19:14
22 lines
From: PBMPHARMACIST,TWO  In 'IN' basket.   Page 1
-------------------------------------------------------------------------------
PHARMACY OUTPATIENT UNIQUE PATIENTS REPORT                    JUL 16, 2004
-------------------------------------------------------------------------------
               SEP 01, 2001  through  SEP 30, 2001
===============================================================================
                                                             UNIQUE
---------------------------------------------------------------------
TOTAL Pharmacy patients across all divisions:                16877
---------------------------------------------------------------------
      CORONA CBOC Division:                                     14
      LOMA LINDA VA Division:                                 16190
      PALM DESERT CBOC Division:                               302
      PASS MEDS Division:                                       24
      SUN CITY CBOC Division:                                  401
      UPLAND CBOC Division:                                     17
      VICTORVILLE-CBOC Division:                               782
                                                            ---------

      Outpatient Total of all Divisions:                      17730
```

```
Subj: V. 4.0 PBMPD 30109 605 JERRY L PETTIS VAMC  [#7631]   Page 2
-------------------------------------------------------------------------------

**PLEASE NOTE: Final TOTAL may not match sum of all SUBTOTALS. A patient may
have been provided pharmacy services at more than one outpatient and/or
inpatient division.
```

Example: Prescription - Outpatient AMIS Summary Report Message

```
Subj: V.4.0 PBMOP 30109 605 JERRY L PETTIS VAMC  [#7632] 07/16/04@19:14   30 lines
From: PBMPHARMACIST,TWO  In 'IN' basket.   Page 1
---------------------------------------------------------------------------------
Outpatient AMIS Summary for SEP 1,2001 through SEP 30,2001 for JERRY L PETTIS VAMC


                                    Unadj    30 Day             Cost/
              30 Day  60 Day  90 Day Total   Equiv     Total    Unadj    Cost/30Day
Division      Fills   Fills   Fills  Fills   Fills     Cost     Fill       Fill
---------------------------------------------------------------------------------
LOMA LINDA VA 38364   2783    20524  61671   105502 $205037160 $3324.69  $1943.44
VICTORVILLE-CBOC 673   102     1086   1861     4135   $670774   $5196.54  $2338.76
SUN CITY CBOC   337     59      546    942     2093   $4876793  $5177.06  $2330.04
PALM DESERT CBOC 134    30      434    598     1496   $3708526  $6201.54  $2478.96
```
[A portion of this statistical data message has been removed to save space.]

```
Subj: V.4.0 PBMOP 30109 605 JERRY L PETTIS VAMC  [#7632]   Page 3
---------------------------------------------------------------------------------
LOMA LINDA VA 26540  35131 16708(1946)44963(656)42830  18841(2602)   51390   10281
VICTORVILLE-CBOC 1657  204    18(5)   1843(35) 1711     150(40)        126    1735
SUN CITY CBOC  909     33     16(5)    926(4)   850      92(9)           4     938
PALM DESERT CBOC 571   27      0(0)    598(4)   567      31(4)          14     584
CORONA CBOC     17      3      3(3)     17(0)    16       4(3)           0      20
UPLAND CBOC     21      2      1(0)     22(0)    20       3(0)           1      22
PASS MEDS      223      0    223(44)     0(0)     0     223(44)        223       0
---------------------------------------------------------------------------------
Total        29938  35400 16969(2003)48369(699) 45994 19344(2702)   51758   13580
```

Example: Prescription – Detail Report Message

```
Subj: V. 4.0 PBMLR 30109 1/2 605 LOMA LINDA VA  [#7633] 07/16/04@19:18
15000 lines
From: PBMPHARMACIST,SIX  In 'IN' basket.   Page 1
--------------------------------------------------------------------------------
^605^000000230^^^^RANITIDINE HCL 150MG TAB^CREATININE^1.1 MG/DL^^3010723.080027
^
^605^000000250^^^^LOVASTATIN 40MG TAB^CHOLESTEROL^120 MG/DL^L^3010807.1028^
^605^000000250^^^^LOVASTATIN 40MG TAB^SGOT (AST)^16 IU/L^^3010807.1028^
^605^000000250^^^^LOVASTATIN 40MG TAB^TRIGLYCERIDE^146 MG/DL^^3010807.1028^
^605^000000250^^^^LOVASTATIN 40MG TAB^HDL CHOLESTEROL^45 MG/DL^^3010807.1028^
^605^000000250^^^^LOVASTATIN 40MG TAB^LDL CHOLESTEROL^45.8 MG/DL^^3010807.1028^
^605^000000250^^^^LOVASTATIN 40MG TAB^SGPT (ALT)^39 IU/L^^3010807.1028^
^605^000000250^^^^METFORMIN HCL 850MG TAB^GLUCOSE^193 MG/DL^H^3010807.1028^
^605^000000250^^^^METFORMIN HCL 850MG TAB^SGOT (AST)^16 IU/L^^3010807.1028^
^605^000000250^^^^METFORMIN HCL 850MG TAB^HEMOGLOBIN A1C (LAB)^5.9 % ^^3010807.
102802^
^605^000000250^^^^METFORMIN HCL 850MG TAB^SGPT (ALT)^39 IU/L^^3010807.1028^
^605^000008909^^^^DILTIAZEM (TIAZAC) 240MG SA CAP^CREATININE^0.8 MG/DL^^3010523
.081317^
^605^000008909^^^^LOVASTATIN 40MG TAB^CHOLESTEROL^183 MG/DL^^3010523.081317^
^605^000008909^^^^LOVASTATIN 40MG TAB^SGOT (AST)^19 IU/L^^3010523.081317^
^605^000008909^^^^LOVASTATIN 40MG TAB^TRIGLYCERIDE^99 MG/DL^^3010523.081317^
```

```
Subj: V. 4.0 PBMLR 30109 1/2 605 LOMA LINDA VA  [#7633]   Page 2
--------------------------------------------------------------------------------
^605^000008909^^^^LOVASTATIN 40MG TAB^HDL CHOLESTEROL^65 MG/DL^^3010523.081317^
^605^000008909^^^^LOVASTATIN 40MG TAB^LDL CHOLESTEROL^98.2 MG/DL^^3010523.08131
7^
^605^000008909^^^^LOVASTATIN 40MG TAB^SGPT (ALT)^43 IU/L^^3010523.081317^
^605^000009969^^^^FOSINOPRIL NA 40MG TAB^CREATININE^0.9 MG/DL^^3010208.102846^
^605^000009969^^^^FOSINOPRIL NA 40MG TAB^POTASSIUM^4.6 mmol/L^^3010208.102846^
^605^000009969^^^^ATORVASTATIN CA 80MG TAB^CHOLESTEROL^194 MG/DL^^3010208.10284
6^
^605^000009969^^^^ATORVASTATIN CA 80MG TAB^SGOT (AST)^20 IU/L^^3010208.102846^
^605^000009969^^^^ATORVASTATIN CA 80MG TAB^TRIGLYCERIDE^205 MG/DL^H^3010208.102
846^
^605^000009969^^^^ATORVASTATIN CA 80MG TAB^HDL CHOLESTEROL^35 MG/DL^^3010208.10
2846^
^605^000009969^^^^ATORVASTATIN CA 80MG TAB^LDL CHOLESTEROL^118.0 MG/DL^^3010208
.102846^
^605^000009969^^^^ATORVASTATIN CA 80MG TAB^SGPT (ALT)^45 IU/L^^3010208.102846^
^605^000001251^^^^LISINOPRIL 20MG TAB^CREATININE^1.4 MG/DL^^3010829.163356^
^605^000001251^^^^LISINOPRIL 20MG TAB^POTASSIUM^4.7 mmol/L^^3010829.163356^
^605^000001251^^^^RANITIDINE HCL 150MG TAB^CREATININE^1.4 MG/DL^^3010829.163356
^
```

Example: Prescription – Detail Report Message

```
Subj: V. 4.0 PBMLR 30109 2/2 605 LOMA LINDA VA  [#7634] 07/16/04@19:19
12516 lines
From: PBMPHARMACIST,SIX  In 'IN' basket.   Page 1
--------------------------------------------------------------------------------
^605^000009152^^^^GLYBURIDE 5MG TAB^GLUCOSE^211 MG/DL^H^3010709.210734^
^605^000009152^^^^GLYBURIDE 5MG TAB^SGOT (AST)^14 IU/L^^3010709.210734^
^605^000009152^^^^GLYBURIDE 5MG TAB^HEMOGLOBIN A1C (LAB)^7.9 % ^H^3010709.09593
^
^605^000009152^^^^GLYBURIDE 5MG TAB^SGPT (ALT)^30 IU/L^^3010709.210734^
^605^000009152^^^^METFORMIN HCL 500MG TAB^GLUCOSE^211 MG/DL^H^3010709.210734^
^605^000009152^^^^METFORMIN HCL 500MG TAB^SGOT (AST)^14 IU/L^^3010709.210734^
^605^000009152^^^^METFORMIN HCL 500MG TAB^HEMOGLOBIN A1C (LAB)^7.9 % ^H^3010709
.09593^
^605^000009152^^^^METFORMIN HCL 500MG TAB^SGPT (ALT)^30 IU/L^^3010709.210734^
^605^000009152^^^^SIMVASTATIN 80MG TAB^CHOLESTEROL^153 MG/DL^^3010709.095931^
^605^000009152^^^^SIMVASTATIN 80MG TAB^SGOT (AST)^14 IU/L^^3010709.210734^
^605^000009152^^^^SIMVASTATIN 80MG TAB^TRIGLYCERIDE^637 MG/DL^H^3010709.095931^
^605^000009152^^^^SIMVASTATIN 80MG TAB^HDL CHOLESTEROL^23 MG/DL^L^3010709.09593
1^
^605^000009152^^^^SIMVASTATIN 80MG TAB^LDL CHOLESTEROL^canc MG/DL^^3010709.0959
31^
^605^000009152^^^^SIMVASTATIN 80MG TAB^SGPT (ALT)^30 IU/L^^3010709.210734^
```

Example: Prescription – Laboratory Statistical Summary Message

```
Subj: V. 4.0 PBMLR 30109  605 LOMA LINDA VA  [#7641] 07/16/04@19:19
6 lines
From: PBMPHARMACIST,THREE  In 'IN' basket.   Page 1
--------------------------------------------------------------------------------
              Laboratory Statistical Summary
              SEP 1,2001 through SEP 30,2001 for LOMA LINDA VA

Total Patients          5625
Total Laboratory Tests  24254
```

Example: Prescription – Laboratory Data Summary Message

```
Subj: V. 4.0 PBMLR 30109  605 LOMA LINDA VA  [#7642] 07/16/04@19:19
24260 lines
From: PBMPHARMACIST,THREE  In 'IN' basket.   Page 1
--------------------------------------------------------------------------------
              Laboratory Data Summary
              SEP 1,2001 through SEP 30,2001 for LOMA LINDA VA

Patient SSN    VA CODE  Laboratory        Results       Flag  Date/Time Taken
--------------------------------------------------------------------------------
000006505      CV800    CREATININE        0.8 MG/DL           08/09/01 0752
                        POTASSIUM         4.9 mmol/L          08/09/01 0752
               GA301    CREATININE        0.8 MG/DL           08/09/01 0752
000008660      CV350    CHOLESTEROL       113 MG/DL     L     08/30/01 1021
                        SGOT (AST)        16 IU/L             08/30/01 1021
                        TRIGLYCERIDE      95 MG/DL            08/30/01 1021
                        HDL CHOLESTEROL   32 MG/DL            08/30/01 1021
                        LDL CHOLESTEROL   62.0 MG/DL          08/30/01 1021
                        SGPT (ALT)        29 IU/L       L     08/30/01 1021
               CV800    CREATININE        1.0 MG/DL           08/30/01 1021
                        POTASSIUM         4.5 mmol/L          08/30/01 1021
               GA301    CREATININE        1.0 MG/DL           08/30/01 1021
000000300      CV800    CREATININE        1.2 MG/DL           04/13/01 1309
```

Example: Prescription – Timing Report Message

```
Subj: PBM TIMING for report SEP 01, 2001 to SEP 30, 2001 from 605 JERRY
[#7655] 07/16/04@19:19  7 lines
From: PBMPHARMACIST,TWO  In 'IN' basket.   Page 1
-------------------------------------------------------------------------------
Prescription          JUL 16,2004@16:57   JUL 16,2004@19:14   2 hrs, 17 min
Laboratory Results    JUL 16,2004@19:14   JUL 16,2004@19:19   0 hrs,  5 min
-------------------------------------------------------------------------------

**NOTE:  Timing for the Provider Data extract is not recorded when the
         the IV, Unit Dose, Prescription, and Patient Demographics extracts
         are run concurrently.
```

Example: Prescription – Confirmation Message

```
Subj: PBM Stats for SEP 01, 2001 to SEP 30, 2001 from 605 JERRY L PETTI
[#7656] 07/16/04@19:19  8 lines
From: PBMPHARMACIST,TWO  In 'IN' basket.   Page 1
-------------------------------------------------------------------------------
The chart below shows the package(s) whose dispensing statistics were extracted
by the PBM Manual Pharmacy Statistics option.

PACKAGE                      # Line items    # MailMan msgs
-------------------------------------------------------------------------------
Prescription                 123342          13
Prescription MultiDose            8           1
Laboratory Results            27516           2
```

(This page included for two-sided copying.)

4.5. Procurement Extract

New functionality created in recent enhancements provides a means to break down all procurement data by division or outpatient site.

4.5.1. Statistics Format

Data element specifications are defined in detail in the tables below.

PROCUREMENT STATISTICS DATA FIELD SPECIFICATIONS (IFCAP FILE #442)				
DATA ELEMENT	**FILE #**	**FIELD #**	**PIECE # IN RECORD SENT**	**DESCRIPTION**
Sender (facility number)	MEDICAL CENTER DIVISION file (#40.8) or OUTPATIENT SITE file (#59)	FACILITY NUMBER field (#1) or SITE NUMBER field (#.06)	2	The software shall use the pharmacy location mappings to determine the division or outpatient site.
Breakdown by Outpatient Division or Inpatient Site not possible indicator			3	If records could not be broken down to an outpatient site or inpatient division, an "H" is sent.
P.O. Date			4	
VA Product Name	DRUG file (#50)	VA PRODUCT NAME field (#21)	5	If no data found, send "Unknown VA Product Name".
VA Drug Class	DRUG file (#50)	VA CLASSIFICATION field (#2)	6	
Generic Drug Name	DRUG file (#50)	GENERIC NAME field (#.01)	7	
P.O. Description			8	
NDC	DRUG file (#50)	NDC field (#31)	9	If no data found, send "No NDC".
NO DATA			10	
NO DATA			11	
Dispense Unit	DRUG file (#50)	DISPENSE UNIT field (#14.5)	12	
Unit of Purchase			13	
Packaging Multiple			14	

	PROCUREMENT STATISTICS DATA FIELD SPECIFICATIONS (IFCAP FILE #442)			
DATA ELEMENT	**FILE #**	**FIELD #**	**PIECE # IN RECORD SENT**	**DESCRIPTION**
DISPENSING UNIT file (#445)			15	
Disp. Unit Conversion Factor			16	
Total Quantity			17	
Actual Unit Cost			18	
Total Cost			19	Formula = Qty Invoice/ Disp Units Per Order Unit * Price Per Order Unit
Vendor Name	DRUG ACCOUNTABILITY ORDER file (#58.811)	VENDOR NAME sub-field (#1)	20	
NO DATA			21	
Fund Control Point			22	

	PROCUREMENT STATISTICS DATA FIELD SPECIFICATIONS (PRIME VENDOR FILE #58.811)			
DATA ELEMENT	**FILE #**	**FIELD #**	**PIECE # IN RECORD SENT**	**DESCRIPTION**
Sender (facility number)	MEDICAL CENTER DIVISION file (#40.8) or OUTPATIENT SITE file (#59)	FACILITY NUMBER field (#1) or SITE NUMBER field (#.06)	2	The software shall use the mapped pharmacy locations to determine the division or outpatient site.
Breakdown by Outpatient Division or Inpatient Site not possible indicator			3	If records could not be broken down to an outpatient site or inpatient division, an "H" is sent.
Verification Date (#58.111)	LINE ITEM DATA multiple (#5) within the INVOICE DATA multiple (#2) within the DRUG ACCOUNTABILITY ORDER file (#58.811)	DATE VERIFIED sub-field (#7)	4	
VA Product Name	DRUG file (#50)	VA PRODUCT NAME field (#21)	5	
VA Drug Class	DRUG file (#50)	VA CLASSIFICATION field (#2)	6	
Generic Drug Name or Supply Description	DRUG file (#50) Or LINE ITEM DATA multiple (#5) within the INVOICE DATA multiple (#2) within the DRUG ACCOUNTABILITY ORDER file (#58.811)	Generic name field (#.01) DRUG sub-field (#1) (can be pointer to file #50 or free text)	7	
NO DATA			8	
NDC	LINE ITEM DATA multiple (#5) within the INVOICE DATA multiple (#2) within the DRUG ACCOUNTABILITY ORDER file (#58.811)	NDC sub-field (#13) (for a drug) or "S" concatenated with the UPC if supply item	9	If no data is found in field #13, then the NDC is extracted from the drug file #50, field #31. If no data is found in field #31, "No NDC" is sent.

			PIECE # IN RECORD	
DATA ELEMENT	FILE #	FIELD #	SENT	DESCRIPTION
VSN	LINE ITEM DATA multiple (#5) within the INVOICE DATA multiple (#2) within the DRUG ACCOUNTABILITY ORDER file (#58.811)	VSN sub-field (#14)	10	
UPC	LINE ITEM DATA multiple (#5) within the INVOICE DATA multiple (#2) within the DRUG ACCOUNTABILITY ORDER file (#58.811)	UPC sub-field (#15)	11	
Dispense Unit	DRUG file (#50)	DISPENSE UNIT field (#14.5)	12	
Order Unit	ORDER UNIT file (#51.5)	ABBREVIATION field (#.01)	13	
NO DATA			14	
NO DATA			15	
Disp Unit Per Order Unit	SYNONYM multiple (#9) within DRUG file (#50)	DISPENSE UNITS PER ORDER UNIT sub-field (#403)	16	
Qty Invoiced	LINE ITEM DATA multiple (#5) and ADJUSTMENTS multiple (#9) within the INVOICE DATA multiple (#2) within the DRUG ACCOUNTABILITY ORDER file (#58.811)	QUANTITY INVOICED sub-field (#2) in conjunction with VERIFIER ADJUSTMENT field (#5)	17	If an adjustment has been made, the adjustment is added to the quantity invoiced; otherwise the quantity invoiced is extracted.
Price Per Order Unit	LINE ITEM DATA multiple (#5) and ADJUSTMENTS multiple (#9) within the INVOICE DATA multiple (#2) within the DRUG ACCOUNTABILITY ORDER file (#58.811)	VERIFIER ADJUSTMENT sub-field (#5) PRICE PER ORDER UNIT sub-field (#4)	18	If there has been a Price Per Order Unit adjustment made, that value is extracted; otherwise the Original Price Per Order Unit.
Total Cost			19	Formula = Qty Invoiced * Price Per Order Unit.

Header of table:

**PROCUREMENT STATISTICS DATA FIELD SPECIFICATIONS
(PRIME VENDOR FILE #58.811)**

			PIECE # IN RECORD SENT	
DATA ELEMENT	**FILE #**	**FIELD #**		**DESCRIPTION**
Vendor name	DRUG ACCOUNTABILITY ORDER file (#58.811)	VENDOR NAME sub-field (#1)	20	
Invoice Number	INVOICE DATA multiple (#2) within the DRUG ACCOUNTABILITY ORDER file (#58.811)	INVOICE NUMBER sub-field (#.01)	21	
NO DATA			22	

PROCUREMENT STATISTICS DATA FIELD SPECIFICATIONS (PRIME VENDOR FILE #58.811)

PROCUREMENT STATISTICS DATA FIELD SPECIFICATIONS (DRUG ACCOUNTABILITY FILE #58.81)				
DATA ELEMENT	**FILE #**	**FIELD #**	**PIECE # IN RECORD SENT**	**DESCRIPTION**
Sender (facility number)	MEDICAL CENTER DIVISION file (#40.8) or OUTPATIENT SITE file (#59)	FACILITY NUMBER field (#1) or SITE NUMBER field (#.06)	2	The software shall use the pharmacy location mappings to determine the division or outpatient site.
Breakdown by Outpatient Division or Inpatient Site not possible indicator			3	If records could not be broken down to an outpatient site or inpatient division, an "H" is sent.
Transaction Date	DRUG ACCOUNTABILITY TRANSACTION file (#58.81)	DATE/TIME field (#3)	4	
VA Product Name	DRUG file (#50)	VA PRODUCT NAME field (#21)	5	If no data found, send "Unknown VA Product Name".
VA Drug Class	DRUG file (#50)	VA CLASSIFICATION field (#2)	6	
Generic Drug Name	DRUG file (#50)	GENERIC NAME field (#.01)	7	If no data found, send "Unknown Generic Name".
NO DATA			8	
NDC	DRUG file (#50)	NDC field (#31)	9	If no data found, send "No NDC".
NO DATA			10	
NO DATA			11	

DATA ELEMENT	FILE #	FIELD #	PIECE # IN RECORD SENT	DESCRIPTION
Dispense Unit	DRUG file (#50)	DISPENSE UNIT field (#14.5)	12	
Order Unit	ORDER UNIT file (#51.5)	ABBREVIATION field (#.01)	13	
NO DATA			14	
NO DATA			15	
Disp Unit Per Order Unit	DRUG file (# 50)	DISPENSE UNITS PER ORDER UNIT field (#15)	16	
Qty Invoiced	DRUG ACCOUNTABILITY TRANSACTION file (#58.81)	QUANTITY field (#5)	17	
Price Per Order Unit	DRUG file (#50)	PRICE PER ORDER UNIT field (#13)	18	
Total Cost			19	Formula = Qty Invoice/ Disp Units Per Order Unit * Price Per Order Unit
Manufacturer	DRUG ACCOUNTABILITY TRANSACTION file (#58.81)	MANUFACTURER field (#12)	20	
Invoice Number	DRUG ACCOUNTABILITY TRANSACTION file (#58.81)	PRIME VENDOR INVOICE field (#71)	21	
NO DATA			22	

The above table has the title:

**PROCUREMENT STATISTICS DATA FIELD SPECIFICATIONS
(DRUG ACCOUNTABILITY FILE #58.81)**

Within the Procurement extract, procurement data is extracted from the IFCAP file (#442), the DRUG ACCOUNTABILITY file (#58.81), and the DRUG ACCOUNTABILITY ORDER (Prime Vendor) file (#58.811). How much or how little data is extracted is dependent on what is implemented at the facility.

Procurement data from the IFCAP file (#442) is limited to transactions with a cost center of 822400 (Pharmacy) and 828100 (SPD). Only completed prime vendor invoice data from the DRUG ACCOUNTABILITY ORDER (Prime Vendor) file (#58.811) will be extracted. Procurement data with dispensing transaction type of "1" (Receipt into Pharmacy) will be extracted from the DRUG ACCOUNTABILITY file (#58.81).

Medical Center Divisions are selected from the MEDICAL CENTER DIVISION file (#40.8) NAME field (#.01). Outpatient Sites are selected from the OUTPATIENT SITE file (#59) NAME field (#.01). The user may select an active or inactive Outpatient Site. **Inactive** shall be displayed next to a selected inactive Outpatient Site.

4.5.2. Example MailMan Messages

A MailMan message is constructed in a double up-arrow (^^) delimited format as shown below.

Example: Procurement – Detail Report Message

```
Subj: V. 4.0 PBMPR 30109 1/1 605 JERRY L PETTIS VAMC  [#7558]
07/16/04@13:56  921 lines
From: PBMPHARMACIST,EIGHT  In 'IN' basket.   Page 1
---------------------------------------------------------------------
^605^H^3010904^Unknown VA Product Name^^Unknown Generic Name^CATHETER FOLEY 25F
R^No NDC^^^^CS^^12^^^5^129.24^646.2^PBMVENDOR ONE^^053 PHARMACY S&S^
^605^H^3010904^Unknown VA Product Name^^Unknown Generic Name^AEROCHAMBER AEROSO
L INHALER^No NDC^^^^CS^50^^^6^281.25^1687.5^PBMVENDOR TWO^^053 PHARMACY S&S^
^605^H^3010904^Unknown VA Product Name^^Unknown Generic Name^FOAM ALLEVYN 8X8 L
OC; (NEW ITEM)^No NDC^^^^CS^20^^^1^216.54^216.54^PBMVENDOR THREE^^074 SPD^
^605^H^3010904^Unknown VA Product Name^^Unknown Generic Name^COVER - AMEDIC STE
RILE ULTRASOUND TRANSDUCER. STER^No NDC^^^^BX^20^^^1^220.00^220^PBMVENDOR FOUR^^074 SPD^
^605^H^3010904^Unknown VA Product Name^^Unknown Generic Name^FILM POLAROID TWIN
 PAK HIGH DEFINITION 600(LOC: 1C^No NDC^^^^EA^1^^^10^15.38^153.8^PBMVENDOR FOUR^^074 SPD^
^605^H^3010904^Unknown VA Product Name^^Unknown Generic Name^BLADE SHARP POINT
3.0MM MICROSURGICALSLIT KNIFE (L^No NDC^^^^BX^6^^^3^84.00^252^PBMVENDOR FIVE^^074 SPD^
```

```
Subj: V. 4.0 PBMPR 30109 1/1 605 JERRY L PETTIS VAMC  [#7558]   Page 2
---------------------------------------------------------------------
^605^H^3010904^Unknown VA Product Name^^Unknown Generic Name^CATHETER BALLOON P
OWERFLEX PLUS 5FR 8MM X 4CM X 80^No NDC^^^^EA^1^^^3^185.00^555^PBMVENDOR SIX^^074 SPD^
^605^H^3010904^Unknown VA Product Name^^Unknown Generic Name^CATHETER BALLOON D
ILATION POWERFLEX PLUS 7MM X 2CM^No NDC^^^^EA^1^^^2^185^370^PBMVENDOR SIX^^074 SPD^
^605^H^3010904^Unknown VA Product Name^^Unknown Generic Name^PATTIES SPONGE X-R
AY 1/2 X 1 1/2 ^No NDC^^^^CS^200^^^2^92.77^185.54^PBMVENDOR SIX^^074 SPD^
^605^H^3010904^Unknown VA Product Name^^Unknown Generic Name^CATHETER 24FR 30CC
 SIMPLASTIC 3 WAY (LOC: 02-C)^No NDC^^^^BX^10^^^1^135.55^135.55^PBMVENDOR SEVEN^^074 SPD^
^605^H^3010904^Unknown VA Product Name^^Unknown Generic Name^SPLINT SYSTEM ORTH
O-GLASS 4X15" ROLL2RL/CS (LOC: 4^No NDC^^^^CS^2^^^2^154.5^309^PBMVENDOR EIGHT^^074 SPD^
^605^H^3010904^Unknown VA Product Name^^Unknown Generic Name^LEADWIRE LW SPCH S
TANDARD PINCH 40"^No NDC^^^^PG^5^^^5^36.43^182.15^PBMVENDOR NINE^^074 SPD^
^605^H^3010904^Unknown VA Product Name^^Unknown Generic Name^CATHETER PRUITT OC
CULSION IRRIGATION SZ 5^No NDC^^^^EA^1^^^2^70.00^140^PBMVENDOR TEN^^074 SPD^
```

Example: Procurement - Data Records Not Broken Down To Outpatient Site or Inpatient Division Message

```
Subj: V. 4.0 PBMPR 30109 1/1 605 JERRY L PETTIS VAMC  [#8728]
08/11/04@15:22  921 lines
From: PBMPHARMACIST,TWO  In 'WASTE' basket.   Page 1
-------------------------------------------------------------------------------
^605^H^3010904^Unknown VA Product Name^^Unknown Generic Name^CATHETER FOLEY 25F
R^No NDC^^^^CS^12^^^5^129.24^646.2^PBMVENDOR ONE^^053 PHARMACY S&S^
^605^H^3010904^Unknown VA Product Name^^Unknown Generic Name^AEROCHAMBER AEROSO
L INHALER^No NDC^^^^CS^50^^^6^281.25^1687.5^PBMVENDOR TWO^^053 PHARMACY S&S^
^605^H^3010904^Unknown VA Product Name^^Unknown Generic Name^FOAM ALLEVYN 8X8 L
OC; (NEW ITEM)^No NDC^^^^CS^20^^^1^216.54^216.54^PBMVENDOR THREE^^074 SPD^
```

Example: Procurement – Statistical Summary Message

```
Subj: V. 4.0 PBMPR 30109  605 JERRY L PETTIS VAMC  [#7559] 07/16/04@13:56  6 lines
From: PBMPHARMACIST,EIGHT  In 'IN' basket.   Page 1
-------------------------------------------------------------------------------
Procurement Statistical Summary SEP 1,2001 through SEP 30,2001@24:00 for JERRY L PETTIS VAMC


Total of Drug/Supply Items:   687
Total Cost:               $ 263526.69
```

Example: Procurement – Data Summary Message

```
Subj: V. 4.0 PBMPR 30109  605 JERRY L PETTIS VAMC  [#7560] 07/16/04@13:56  668 lines
From: PBMPHARMACIST,EIGHT  In 'IN' basket.   Page 1
-------------------------------------------------------------------------------
             Procurement Data Summary
             SEP 1,2001 through SEP 30,2001@24:00 for JERRY L PETTIS VAMC


                                            Dispense  Total     Total
Drug/Supply Name                            Unit      Qty       Cost
-------------------------------------------------------------------------------
'                                                       1      152.00
(1) IFCAP #61 1 CASE @ $132.86                          0        0.00
. SPLINT FINGER SMALL 4 PRONG                           1       13.53
1 EACH VSN# LPEA-681 VEST ERGO                          0        0.00
1004 - 2" SUPERCEL                                      2      320.00
2.7MM TI CORTEX SCREW SELF-TAP                          8      242.00
3.5MM TI CORTEX SCREW SELF-TAP                          8      118.00
3000ML EMPTY AD SURE CONTAINER                         20     4519.60
33 BAGS OF SANITARY NAPKINS                             0        0.00
4002 - 2" THERMAL PAPER                                 2      390.00
ACCU-CHEK GOV'T OUTPT METER KI                        100    20400.00
ACCU-CHEK SAFE-T-PRO LANCET FO                         54     1458.00
```

[A portion of this statistical data message has been removed to save space.]

```
Subj: V. 4.0 PBMPR 30109  605 JERRY L PETTIS VAMC  [#7560]   Page 34
-------------------------------------------------------------------------------
WIRE GUIDE TEFLON CURVED MOVAB                         68     1275.00
WIRE HYDROSTEER .038 180CM                              1      225.00
WIRE KIRSCHNER SS 22.9CM PLAIN                          1       33.00
WIRE MC 3MM J .035 X 150CM X S                         1       83.20
WIRE STARTER ROSEN 35-180-1.5                          19     351.50
WRIST JACK FRACTURE REDUCTION                          3     3600.00
WRIST SPLINT RIGHT X LARGE FOR                         10      41.60
-------------------------------------------------------------------------------
Total                                              271537   263526.6
```

Example: Procurement –Unmapped Locations Message

```
Subj: PBM Unmapped Locations for SEP 1,2001 to SEP 30,2001 from 605 LOM [#7561]
07/16/04@13:56 7 lines
From: PBMPHARMACIST,NINE  In 'IN' basket.   Page 1
--------------------------------------------------------------------------------
The locations listed below have not been mapped to a Medical Center Division or
Outpatient Site. All data extracted from these locations have been attributed to
605 LOMA LINDA


DA Pharmacy Locations:
There are no unmapped DA Pharmacy Locations for the dates of this extract
```

Example: Procurement –Timing Report Message

```
Subj: PBM TIMING for report SEP 01, 2001 to SEP 30, 2001 from 605 JERRY [#7562]
07/16/04@13:56  6 lines
From: PBMPHARMACIST,EIGHT  In 'IN' basket.   Page 1
--------------------------------------------------------------------------------
Procurement             JUL 16,2004@13:55   JUL 16,2004@13:56   0 hrs,  1 min
--------------------------------------------------------------------------------

**NOTE:  Timing for the Provider Data extract is not recorded when the IV,
Unit Dose, Prescription, and Patient Demographics extracts are run concurrently.
```

4.6. Controlled Substances Extract

New functionality created in recent enhancements provides a means to break down all Controlled Substance dispensing workload by division or outpatient site.

Controlled Substances data is extracted by dispensing transaction records. Only dispensing transaction types of "17" (Logged for Patient) and "2" (Dispensed from Pharmacy) will be extracted.

4.6.1. Statistics Format

Data element specifications are defined in detail in the table below.

CONTROLLED SUBSTANCES STATISTICS DATA FIELD SPECIFICATIONS				
DATA ELEMENT	**FILE #**	**FIELD #**	**PIECE # IN RECORD SENT**	**DESCRIPTION**
Sender (facility number)	MEDICAL CENTER DIVISION file (#40.8) or OUTPATIENT SITE file (#59)	FACILITY NUMBER field (#1) or SITE NUMBER field (#.06)	2	The software shall use the NAOU mappings to determine the sending division or outpatient site.
Breakdown by Outpatient Division or Inpatient Site not possible indicator			3	If records could not be broken down to an outpatient site or inpatient division, an "H" is sent.
Dispense (transaction) date	DRUG ACCOUNTABILITY TRANSACTION file (#58.81)	DATE/TIME field (#3)	4	
NAOU	DRUG ACCOUNTABILITY STATS FILE (#58.8)	PHARMACY LOCATION field (#.01)	5	
Patient SSN	PATIENT file (#2)	SOCIAL SECURITY NUMBER field (#.09)	6	
VA Product Name	DRUG file (#50)	VA PRODUCT NAME field (#21)	7	
VA Drug Class	DRUG file (#50)	VA CLASSIFICATION field (#2)	8	
Generic Drug Name	DRUG file (#50)	GENERIC NAME field (#.01)	9	

CONTROLLED SUBSTANCES STATISTICS DATA FIELD SPECIFICATIONS				
DATA ELEMENT	**FILE #**	**FIELD #**	**PIECE # IN RECORD SENT**	**DESCRIPTION**
Formulary/Non-Formulary Indicator	DRUG file (#50)	LOCAL NON FORMULARY field (#51)	10	If field set to "1", the program sends "N/F".
National Formulary Indicator	VA PRODUCT file (#50.68)	NATIONAL FORMULARY INDICATOR field (#17)	11	Send "1" for Yes; "0" for No; otherwise null if no data found.
National Formulary Restriction	NATIONAL FORMULARY RESTRICTION multiple (#18) within the VA PRODUCT file (#50.68)	NATIONAL FORMULARY RESTRICTION sub-field (#.01)	12	If data is found, send "1"; otherwise "0".
NDC	DRUG file (#50)	NDC field (#31)	13	
Breakdown Unit OR Dispense unit	DRUG multiple (#10) within the DRUG ACCOUNTABILITY STATS file (#58.8) or DRUG file (#50)	BREAKDOWN UNIT sub-field (#7) or DISPENSE UNIT sub-field (#14.5)	14	Breakdown unit is used for dispensing type=2 transactions. Dispense unit is used for dispensing type=17 transactions.
Package size (dispensing type =2 only)	DRUG multiple (#10) within the DRUG ACCOUNTABILITY STATS file (#58.8)	PACKAGE SIZE sub-field (#8)	15	Extracted for dispensing type=2 transactions.
Unit Cost	DRUG file (#50)	PRICE PER DISPENSE UNIT field (#16)	16	
Total Qty Dispensed (NAOU) or Total Doses Dispensed (SSN)	DRUG ACCOUNTABILITY TRANSACTION file (#58.81)	QUANTITY field (#5) NEW QUANTITY field (#50) (if adjustments are made)	17	All quantities or doses dispensed within the timeframe specified will be totaled.
VISN Formulary Indicator	DRUG file (#50)	VISN NON-FORMULARY field (#52)	18	If "1" is found, send N/F; otherwise null if no data is found.
DEA Special Handling	DRUG file (#50)	DEA, SPECIAL HDLG field (#3)	19	

CONTROLLED SUBSTANCES STATISTICS DATA FIELD SPECIFICATIONS				
DATA ELEMENT	**FILE #**	**FIELD #**	**PIECE # IN RECORD SENT**	**DESCRIPTION**
Patient ICN	PATIENT file (#2)	INTEGRATION CONTROL NUMBER field (# 991.01) ICN CHECKSUM field (#991.02) (Values in both fields are concatenated with a 'V'.)	20	Free Text. Example: "1010185893V199552" If an ICN does not exist, send null.

Within the CS extract, Medical Center Divisions are selected from the MEDICAL CENTER DIVISION file (#40.8) NAME field (#.01). Outpatient Sites are selected from the OUTPATIENT SITE file (#59) NAME field (#.01). The user may select an active or inactive Outpatient Site. **Inactive** shall be displayed next to a selected inactive Outpatient Site.

4.6.2. Example MailMan Messages

A MailMan message is constructed in a double up-arrow (^^) delimited format as shown in the following example.

Example: Controlled Substances – Detail Report Message

```
Subj: V. 4.0 PBMCS 30109 1/1 605 JERRY L PETTIS VAMC  [#7673]
07/19/04@12:24  1091 lines
From: PBMPHARMACIST,EIGHT  In 'IN' basket.  Page 1
--------------------------------------------------------------------------
^605^H^3010902^INPATIENT^^CHLORDIAZEPOXIDE HCL 25MG CAP^CN302^CHLORDIAZEPOXIDE
HCL 25MG CAP U/D^^1^0^00615-0437-13^PACK^100^0.105^40^^4CL^^
^605^H^3010902^INPATIENT^^CODEINE 30MG/ACETAMINOPHEN 300MG TAB^CN101^ACETAMINOP
HEN 300MG/COD 30MG TAB^^1^0^00406-0484-01^BT^100^0.069^300^^3^^
^605^H^3010902^INPATIENT^^HYDROCODONE 5MG/ACETAMINOPHEN 500MG TAB^CN101^HYDROCO
DONE 5/ACETAMINOPHEN 500MG TAB^^1^0^00406-0357-05^TAB^100^0.015^300^^3C^^
^605^H^3010904^GI LAB^^MEPERIDINE HCL 50MG/ML INJ^CN101^MEPERIDINE HCL 50MG/ML
INJ TUBEX^1^1^0^00074-1178-31^PACK^10^0.357^20^N/F^2A^^
^605^H^3010904^GI LAB^^MEPERIDINE HCL 50MG/ML INJ^CN101^MEPERIDINE HCL 50MG/ML
INJ TUBEX^1^1^0^00074-1178-31^PACK^10^0.357^20^N/F^2A^^
^605^H^3010904^GI LAB^^MEPERIDINE HCL 50MG/ML INJ^CN101^MEPERIDINE HCL 50MG/ML
INJ TUBEX^1^1^0^00074-1178-31^PACK^10^0.357^20^N/F^2A^^
^605^H^3010904^GI LAB^^MEPERIDINE HCL 50MG/ML INJ^CN101^MEPERIDINE HCL 50MG/ML
INJ TUBEX^1^1^0^00074-1178-31^PACK^10^0.357^20^N/F^2A^^
^605^H^3010904^GI LAB^^MIDAZOLAM HCL 1MG/ML INJ^CN302^MIDAZOLAM 1MG/ML INJ 2ML
VI^^1^0^00004-1998-06^PACK^10^0.469^20^^4CLR^^
^605^H^3010904^GI LAB^^MIDAZOLAM HCL 1MG/ML INJ^CN302^MIDAZOLAM 1MG/ML INJ 2ML
VI^^1^0^00004-1998-06^PACK^10^0.469^20^^4CLR^^
```

```
Subj: V. 4.0 PBMCS 30109 1/1 605 JERRY L PETTIS VAMC  [#7673]   Page 2
--------------------------------------------------------------------------
^605^H^3010904^GI LAB^^MIDAZOLAM HCL 1MG/ML INJ^CN302^MIDAZOLAM 1MG/ML INJ 2ML
VI^^1^0^00004-1998-06^PACK^10^0.469^20^^4CLR^^
^605^H^3010904^GI LAB^^MIDAZOLAM HCL 1MG/ML INJ^CN302^MIDAZOLAM 1MG/ML INJ 2ML
VI^^1^0^00004-1998-06^PACK^10^0.469^20^^4CLR^^
^605^H^3010904^RX WINDOW^^DIAZEPAM 5MG TAB^CN302^DIAZEPAM 5MG TAB^^1^0^00555-03
63-05^BT^500^0.048^3000^^4LCZ^^
^605^H^3010904^RX WINDOW^^HYDROCODONE 5MG/ACETAMINOPHEN 500MG TAB^CN101^HYDROCO
DONE 5/ACETAMINOPHEN 500MG TAB^^1^0^00406-0357-05^TAB^100^0.015^6000^^3C^^
^605^H^3010904^RX WINDOW^^MORPHINE SO4 10MG/5ML SOLN,ORAL^CN101^MORPHINE SULF 2
MG/ML ORAL SOLN 500ML^^1^0^00054-3785-63^BT^500^0.025^5000^^2AQ^^
^605^H^3010904^RX WINDOW^^OXYCODONE HCL 5MG/ACETAMINOPHEN 325MG TAB^CN101^OXYCO
DONE 5MG ACETAMINOP 325MG TAB^^1^0^60951-0602-70^BT^100^0.038^4800^^2AW^^
^605^H^3010904^RX WINDOW^^PROPOXYPHENE N 100MG TAB^CN101^PROPOXYPHENE N 100MG T
AB^1^0^0^00002-0353-03^BT^500^0.360^3000^^4C^^
^605^H^3010904^RX WINDOW^^OXYCODONE HCL 5MG TAB^CN101^OXYCODONE 5MG TAB^^1^0^00
054-4657-25^BT^100^0.091^5000^^2A^^
^605^H^3010904^3SICU^^METHADONE HCL 10MG TAB^CN101^METHADONE HCL 10MG TAB U/D^^
1^0^00054-8554-24^PACK^25^0.224^25^^2A^^
^605^H^3010904^3SE^^Unknown VA Product Name^CN101^HYDROMORPHONE 50MG/50ML PCA S
YRINGE^^^0^00338-9367-75^SYRINGE^1^9.500^3^^2^^
```

Example: Controlled Substances - Data Records Not Broken Down To Outpatient Site or Inpatient Division Message

```
Subj: V. 4.0 PBMCS 30109 1/1 605 JERRY L PETTIS VAMC  [#8731]
08/11/04@15:23  1091 lines
From: PBMPHARMACIST,TWO  In 'WASTE' basket.   Page 1
--------------------------------------------------------------------------------
^605^H^3010902^INPATIENT^^CHLORDIAZEPOXIDE HCL 25MG CAP^CN302^CHLORDIAZEPOXIDE
HCL 25MG CAP U/D^^1^0^00615-0437-13^PACK^100^0.105^40^^4CL^^
^605^H^3010902^INPATIENT^^CODEINE 30MG/ACETAMINOPHEN 300MG TAB^CN101^ACETAMINOP
HEN 300MG/COD 30MG TAB^^1^0^00406-0484-01^BT^100^0.069^300^^3^^
^605^H^3010902^INPATIENT^^HYDROCODONE 5MG/ACETAMINOPHEN 500MG TAB^CN101^HYDROCO
DONE 5/ACETAMINOPHEN 500MG TAB^^1^0^00406-0357-05^TAB^100^0.015^300^^3C^^
^605^H^3010904^GI LAB^^MEPERIDINE HCL 50MG/ML INJ^CN101^MEPERIDINE HCL 50MG/ML
INJ TUBEX^1^1^0^00074-1178-31^PACK^10^0.357^20^N/F^2A^^
```

Example: Controlled Substances - Statistical Data Message

```
Subj: V. 4.0 PBMCS 30109 605 JERRY L PETTIS VAMC  [#7674] 07/19/04@12:24
118 lines
From: PBMPHARMACIST,EIGHT  In 'IN' basket.   Page 1
--------------------------------------------------------------------------------
                   Controlled Substance Statistical Data
               SEP 1,2001 through SEP 30,2001 for JERRY L PETTIS VAMC


                                  Breakdown  Package  Quantity
Drug Name                         Unit        Size    Dispensed
               -------------------------------------------------------------
ACETAMINOP 120MG/COD 12MG/5ML ELIX     BT         473       11352
ACETAMINOP 300MG/COD 30MG/12.5ML ELI U/D PACK      10         165
ACETAMINOPHEN 300MG/COD 30MG TAB       BT         100       23220
ACETAMINOPHEN 300MG/COD 30MG TAB U/D   PACK        10        1200
ACETAMINOPHEN 300MG/COD 60MG TAB       BT         100        4800
ALPRAZOLAM 0.25MG TAB                  BT         500        1800
ALPRAZOLAM 0.25MG TAB U/D              PACK       100          50
ALPRAZOLAM 0.5MG TAB                   BT         500        1500
ALPRAZOLAM 0.5MG TAB U/D               PACK       100          80
ALPRAZOLAM 1MG TAB                     BT         500        1700
ASPIRIN 325MG/COD 30MG TAB #           BT         100         400
BUTORPHANOL TART 2MG/ML INJ            pg          10          10
```

[A portion of this statistical data message has been removed to save space.]

```
Subj: V. 4.0 PBMCS 30109 605 JERRY L PETTIS VAMC  [#7674]   Page 6
--------------------------------------------------------------------------------
PHENOBARBITAL 100MG TAB                BT         100         200
PHENOBARBITAL 15MG TAB U/D             PACK       100          75
PHENOBARBITAL 30MG TAB #               BT        1000        3050
PHENOBARBITAL 30MG TAB U/D             PACK       100         150
PROPOXYPHENE N 100MG TAB #*            BT         500        3000
PROPOXYPHENE NAP 100MG TAB U/D #*      PACK       100          26
TEMAZEPAM 15MG CAP                     BT         100        2000
TEMAZEPAM 15MG CAP U/D                 PB         100        1040
TESTOSTERONE CYP 200MG/ML INJ 10ML VI  ML           1          35
TESTOSTERONE CYP 200MG/ML INJ 1ML VI   VI           1         163
TESTOSTERONE TRANSDERMAL 5MG SYSTEM    PG          30        1440
THIOPENTAL SOD 500MG/2.5% KIT 20ML     KIT          1          15
ZOLPIDEM TARTRATE 10MG TAB #           BT         100         500
ZOLPIDEM TARTRATE 10MG U/D #           PG          10           5
ZOLPIDEM TARTRATE 5MG TAB U/D #        PG         100          15
               -------------------------------------------------------------
Totals:                                                     250098

 * Non-Formulary
 # Not on National Formulary
```

Example: Controlled Substances – AMIS Summary Report Message

```
Subj: V. 4.0 PBMCS 30109 605 JERRY L PETTIS VAMC  [#7675] 07/19/04@12:24
13 lines
From: PBMPHARMACIST,EIGHT      In 'IN' basket.   Page 1
--------------------------------------------------------------------------------
Controlled AMIS Summary for SEP 1,2001 through SEP 30,2001 for JERRY L PETTIS V
AMC

INPATIENT CONTROLLED SUBSTANCE ORDERS:

                            ORDERS              TOTAL     AVE COST
DIVISION                    DISPENSED           COST      PER ORDER
--------------------------------------------------------------------------------
JERRY L PETTIS VA           1091      $    45761.75    $  41.94
--------------------------------------------------------------------------------
Total                       1091      $    45761.75    $  41.94
```

Example: Controlled Substances –Unmapped Locations Message

```
Subj: PBM Unmapped Locations for SEP 1,2001 to SEP 30,2001 from 605 LOM
[#7676] 07/19/04@12:24  8 lines
From: PBMPHARMACIST,NINE  In 'IN' basket.   Page 1
--------------------------------------------------------------------------------
The locations listed below have not been mapped to a Medical Center
Division or Outpatient Site. All data extracted from these locations have
been attributed to 605 LOMA LINDA


NAOUs:
VAULT
METHADONE
```

Example: Controlled Substances –Timing Report Message

```
Subj: PBM TIMING for report SEP 01, 2001 to SEP 30, 2001 from 605 JERRY
[#7677] 07/19/04@12:24  6 lines
From: PBMPHARMACIST,EIGHT  In 'IN' basket.   Page 1
--------------------------------------------------------------------------------
Controlled Substance   JUL 19,2004@12:23   JUL 19,2004@12:24   0 hrs,  1 min
--------------------------------------------------------------------------------

**NOTE:  Timing for the Provider Data extract is not recorded when the
        the IV, Unit Dose, Prescription, and Patient Demographics extracts
        are run concurrently.
```

Example: Controlled Substances – Confirmation Message

```
Subj: PBM Stats for SEP 01, 2001 to SEP 30, 2001 from 605 JERRY L PETTI
[#7678] 07/19/04@12:24  6 lines
From: PBMPHARMACIST,EIGHT  In 'IN' basket.   Page 1
--------------------------------------------------------------------------------
The chart below shows the package(s) whose dispensing statistics were extracted
by the PBM Manual Pharmacy Statistics option.

PACKAGE                    # Line items     # MailMan msgs
--------------------------------------------------------------------------------
Controlled Substances           1091             1
```

4.7. Patient Demographics Extract

To decrease the running time of the monthly *Automatic Pharmacy Statistics* [PSU PBM AUTO] option, the ability to extract all patient records from the PATIENT file every month shall no longer be provided. The ability to extract all patient records from the PATIENT file shall be retained with the *Manual Pharmacy Statistics* [PSU PBM MANUAL] option.

A new PBM PATIENT DEMOGRAPHICS file (#59.9) was added to PBM V. 4.0 as a repository in which to temporarily store new or updated patient demographic data in real time until the data is compiled and transmitted on a monthly basis to the PBM national database. Only one demographics record per patient shall be retained in the file for a reporting period. The data is retained in this file for 75 days, after which time it is purged.

4.7.1. Statistics Format

Data element specifications for the current Patient Demographic extract are provided in the table below. Pieces 20-29 can repeat. Multiple races may be entered.

PATIENT DEMOGRAPHICS STATISTICS DATA FIELD SPECIFICATIONS				
DATA ELEMENT	**FILE #**	**FIELD #**	**PIECE # IN RECORD SENT**	**DESCRIPTION**
Sender (Facility #)	INSTITUTION file (#4)	STATION NUMBER field (#99)	2	
Date Extract Run			3	
Date of Death	PATIENT file (#2)	DATE OF DEATH field (#.351)	4	
Date of Birth	PATIENT file (#2)	DATE OF BIRTH field (#.03)	5	
Age		Calculated	6	This is a calculated value. It will be based on the Date of Birth and the date the patient demographic extract is run.
Race (OLD)	PATIENT file (#2)	RACE field (#.06)	7	
Gender	PATIENT file (#2)	SEX field (#.02)	8	"M" for Male "F" for Female

PATIENT DEMOGRAPHICS STATISTICS DATA FIELD SPECIFICATIONS				
DATA ELEMENT	**FILE #**	**FIELD #**	**PIECE # IN RECORD SENT**	**DESCRIPTION**
Primary eligibility code	PATIENT file (#2)	PRIMARY ELIGIBILITY CODE field (#.361)	9	
Current Means Test Status	PATIENT file (#2)	CURRENT MEANS TEST STATUS field (#.14)	10	
Enrollment Priority	PATIENT ENROLLMENT file (#27.11)	ENROLLMENT PRIORITY field (#.07)	11	"1" for Group 1 "2" for Group 2 "3" for Group 3 "4" for Group 4 "5" for Group 5 "6" for Group 6 "7" for Group 7
SSN	PATIENT file (#2)	SOCIAL SECURITY NUMBER field (#.09)	12	
ICN	PATIENT file (#2)	INTEGRATION CONTROL NUMBER field (#991.01)	13	
Primary Care Provider SSN	NEW PERSON file (#200)	SSN field (#9)	14	
Primary Care Provider Local IEN	NEW PERSON file (#200)	Internal Entry Number (IEN)	15	
Date Patient First Seen At Facility	PATIENT file (#2)	DATE ENTERED INTO FILE field (#.097)	16	
Date Patient First Provided Pharmacy Services	PHARMACY PATIENT file (#55)	FIRST SERVICE DATE FIELD (#.07)	17	
Whether Date Patient First Provided Pharmacy Services is Actual or Historical	PHARMACY PATIENT file (#55)	ACTUAL/ HISTORICAL FLAG field (#.08)	18	"A" for Actual "H" for Historical

PATIENT DEMOGRAPHICS STATISTICS DATA FIELD SPECIFICATIONS				
DATA ELEMENT	**FILE #**	**FIELD #**	**PIECE # IN RECORD SENT**	**DESCRIPTION**
Ethnicity	ETHNICITY INFORMATION multiple (#6) within the PATIENT file (#2)	ETHNICITY INFORMATION field (#.01)	19	
Race (new)	RACE INFORMATION multiple (#2) within the PATIENT file (#2)	RACE INFORMATION field (#.01)	20-29	

4.7.2. Example MailMan Messages

A MailMan message is constructed in a double up-arrow (^^) delimited format as shown in the following example.

Example: Patient Demographics – Detail Report Message

```
Subj: V. 4.0 PBMPD 30109 1/20 605 JERRY L PETTIS VAMC  [#7732]
07/20/04@18:22  10000 lines
From: PBMPHARMACIST,TWO  In 'IN' basket.   Page 1
-----------------------------------------------------------------------
^605^3040720^^2210000^83^^M^NSC^REQUIRED^^000003689^^^^^2870723^H^^^^^^^^^^^^
^605^3040720^^2521229^51^^M^NSC^MT COPAY EXEMPT^5^000002816^1002935271^00000611
8^1880^^2980322^H^^^^^^^^^^^^
^605^3040720^^2190822^84^WHITE, NOT OF HISPANIC ORIGIN^F^SERVICE CONNECTED 50%
to 100%^^1^000006505^1002191464^000007541^5547^^2870722^H^^^^^^^^^^^^
^605^3040720^^2570407^47^WHITE, NOT OF HISPANIC ORIGIN^M^SC LESS THAN 50%^^3^00
0005710^6050032171^^^^3011210^H^^^^^^^^^^^^
^605^3040720^^2500000^54^BLACK, NOT OF HISPANIC ORIGIN^M^^^^000007523^^^^^^^^^^
^^^^^^^^
^605^3040720^^2500210^54^WHITE, NOT OF HISPANIC ORIGIN^M^SERVICE CONNECTED 50%
to 100%^^1^000008107^1002929577^000005697^12166^^2870731^H^^^^^^^^^^^^
^605^3040720^^2430516^61^WHITE, NOT OF HISPANIC ORIGIN^M^NSC^MT COPAY REQUIRED^
7^000004336^^^^^2940219^H^^^^^^^^^^^^
^605^3040720^^2300000^74^^M^NSC^REQUIRED^^000008604^^^^^^^^^^^^^^^^^^
^605^3040720^^2380523^66^HISPANIC, BLACK^M^SERVICE CONNECTED 50% to 100%^^1^569
485541^1002927098^000002716^5504^^2870723^H^^^^^^^^^^^^
^605^3040720^^2220000^82^WHITE, NOT OF HISPANIC ORIGIN^M^SERVICE CONNECTED 50%
to 100%^^1^000000881^1002927422^000000814^12163^^2870725^H^^^^^^^^^^^^
```

Report continued on next page

Example: Patient Demographics – Detail Report Message (continued)

```
Subj: V. 4.0 PBMPD 30109 1/20 605 JERRY L PETTIS VAMC  [#7732]   Page 2
-------------------------------------------------------------------------
^605^3040720^^2380312^66^BLACK, NOT OF HISPANIC ORIGIN^M^NSC^REQUIRED^^00000532
7^1002969417^^^^^^^^^^^^^^^^
^605^3040720^^2540714^50^^M^^^^000007650^^^^^^^^^^^^^^^^
^605^3040720^^2541004^49^WHITE, NOT OF HISPANIC ORIGIN^M^SERVICE CONNECTED 50%
to 100%^^1^000009865^1001267489^^^^2911114^H^^^^^^^^^^^^
^605^3040720^^2260517^78^^M^SC LESS THAN 50%^NO LONGER REQUIRED^3^000008563^100
7732203^^^^2870725^H^^^^^^^^^^^^
^605^3040720^^^^^M^NSC^REQUIRED^^000003514^^^^^^^^^^^^^^^^^
^605^3040720^^2280223^76^WHITE, NOT OF HISPANIC ORIGIN^M^NSC^MT COPAY EXEMPT^^0
00004548^^^^^2870504^H^^^^^^^^^^^^
^605^3040720^^2220107^82^^M^SC LESS THAN 50%^NO LONGER REQUIRED^2^000006404^100
3690806^^^^^^^^^^^^^^^^
^605^3040720^^2240000^80^^M^SC LESS THAN 50%^^^000001541^^^^^^^^^^^^^^^^^
^605^3040720^^2460228^58^UNKNOWN^M^SERVICE CONNECTED 50% to 100%^NO LONGER REQU
IRED^1^000002529^1002945819^^^^2961231^H^^^^^^^^^^^^
^605^3040720^^2280503^76^BLACK, NOT OF HISPANIC ORIGIN^M^SC LESS THAN 50%^^^000
001662^^^^^2911024^H^^^^^^^^^^^^
^605^3040720^^2280109^76^WHITE, NOT OF HISPANIC ORIGIN^M^NSC^MT COPAY EXEMPT^5^
000009473^1002932146^000003389^12508^^2870725^H^^^^^^^^^^^^
^605^3040720^^2450610^59^^M^^^^000006444^^^^^^^^^^^^^^^^^
```

Example: Patient Demographics –Timing Report Message

```
Subj: PBM TIMING for report SEP 01, 2001 to SEP 30, 2001 from 605 JERRY
[#7752] 07/20/04@18:23  6 lines
From: PBMPHARMACIST,TWO  In 'IN' basket.   Page 1
-------------------------------------------------------------------------------
Patient Demographics   JUL 20,2004@14:05   JUL 20,2004@18:23   4 hrs, 18 min
-------------------------------------------------------------------------------

**NOTE:  Timing for the Provider Data extract is not recorded when the
        the IV, Unit Dose, Prescription, and Patient Demographics extracts
        are run concurrently.
```

Example: Patient Demographics – Confirmation Message

```
Subj: PBM Stats for SEP 01, 2001 to SEP 30, 2001 from 605 JERRY L PETTI
[#7753] 07/20/04@18:23  6 lines
From: PBMPHARMACIST,TWO  In 'IN' basket.   Page 1
-------------------------------------------------------------------------------
The chart below shows the package(s) whose dispensing statistics were extracted
by the PBM Manual Pharmacy Statistics option.

PACKAGE                    # Line items    # MailMan msgs
-------------------------------------------------------------------------------
Patient Demographics         193959           20
```

4.8. Outpatient Visits Extract

In order to decrease the running time of the monthly *Automatic Pharmacy Statistics* [PSU PBM AUTO] option, the ability to extract a month's worth of outpatient visit records from the VISIT file (#9000010) shall no longer be provided. The ability to extract outpatient visit records for any given timeframe directly from the VISIT file (#9000010) shall be retained with the *Manual Pharmacy Statistics* [PSU PBM MANUAL] option.

Outpatient Visit records extracted on a daily basis shall be stored in the new PBM PATIENT DEMOGRAPHICS file (#59.9) until they are compiled for transmission when the monthly *Automatic Pharmacy Statistics* [PSU PBM AUTO] option is run.

4.8.1. Statistics Format

Data element specifications for the current Outpatient Visit extract are provided in the table below.

OUTPATIENT VISITS STATISTICS DATA FIELD SPECIFICATIONS				
DATA ELEMENT	**FILE #**	**FIELD #**	**PIECE # IN RECORD SENT**	**DESCRIPTION**
Sender	INSTITUTION file (#4)	STATION NUMBER field (#99)	2	
Encounter Patient Status	VISIT file (#9000010)	PATIENT STATUS IN/OUT field (#15002)	3	"I" will be sent for Inpatient "O" will be sent for Outpatient If no data exists, a null value will be sent.
Date of Visit	VISIT file (#9000010)	VISIT/ADMIT DATE & TIME field (#.01)	4	
Patient SSN	VISIT FILE (# 9000010) PATIENT file (#2)	SOCIAL SECURITY NUMBER field (#.09)	5	

OUTPATIENT VISITS STATISTICS DATA FIELD SPECIFICATIONS				
DATA ELEMENT	**FILE #**	**FIELD #**	**PIECE # IN RECORD SENT**	**DESCRIPTION**
Patient ICN	PATIENT file (#2)	INTEGRATION CONTROL NUMBER field (# 991.01) ICN CHECKSUM field (#991.02) (Values in both fields are concatenated with a "V".)	6	Free Text. Example: "1010185893V199552" If an ICN does not exist, send null.
ICD9 codes – Diagnosis	V POV file (#9000010.07) & V CPT file (#9000010.18) ICD DIAGNOSIS file (#80)	POV field (#.01) & DIAGNOSIS field (#.05)	7-16	Diagnosis data is pulled from the POV field (#.01) in the V POV file (#9000010.07) and from the DIAGNOSIS field (#.05) in the V CPT file (#9000010.18). Number of codes is limited to 10. If over 10, they will be truncated.
CPT codes	CPT file (#81)	CPT CODE field (#.01)	17-26	

4.8.2. Example MailMan Messages

A MailMan message is constructed in a double up-arrow (^^) delimited format as shown in the following example.

Example: Outpatient Visits – Detail Report Message

```
Subj: V. 4.0 PBMOV 30109 1/4 605 JERRY L PETTIS VAMC  [#7252]
07/12/04@10:45  10000 lines
From: PBMPHARMACIST,TWO  In 'IN' basket.   Page 1
-------------------------------------------------------------------------------
^605^O^3010904^000000571^1003199441^518.89^^^^^^^^^^36415^99212^^^^^^^^^
^605^O^3010901^000000162^1002959602^524.09^^^^^^^^^^90703^99283^^^^^^^^^
^605^O^3010901^000005005^1002940232^573.8^^^^^^^^^^99283^^^^^^^^^^
^605^O^3010904^000005483^1002949198^^^^^^^^^^^99213^^^^^^^^^^
^605^O^3010901^000001305^1002931019^780.09^^^^^^^^^^99283^^^^^^^^^^
^605^O^3010901^000009273^1002938183^879.8^^^^^^^^^^99281^^^^^^^^^^
^605^O^3010901^000002283^1002943475^372.05^^^^^^^^^^99283^^^^^^^^^^
^605^O^3010901^000009755^1007797848^300.09^^^^^^^^^^99283^^^^^^^^^^
^605^O^3010901^000007342^1002940552^879.8^^^^^^^^^^99281^^^^^^^^^^
^605^O^3010901^000005610^1002952086^381.01^^^^^^^^^^99283^^^^^^^^^^
^605^O^3010901^000007122^1002975767^462.^^^^^^^^^^99283^^^^^^^^^^
^605^O^3010901^000004428^1003806867^756.3^^^^^^^^^^99283^^^^^^^^^^
^605^O^3010901^000004216^1002931557^756.3^^^^^^^^^^99283^^^^^^^^^^
^605^O^3010901^000003638^1002932918^^^^^^^^^^^99283^^^^^^^^^^
^605^O^3010901^000003507^1008476032^466.0^^^^^^^^^^99283^^^^^^^^^^
^605^O^3010901^000005955^1002951901^311.^^^^^^^^^^99283^^^^^^^^^^
^605^O^3010901^000000354^6050006484^706.2^^^^^^^^^^99283^^^^^^^^^^
^605^O^3010901^000002022^1002968159^831.00^^^^^^^^^^99283^^^^^^^^^^
```

```
Subj: V. 4.0 PBMOV 30109 1/4 605 JERRY L PETTIS VAMC  [#7252]   Page 2
-------------------------------------------------------------------------------
^605^O^3010901^000001765^1008476253^802.6^^^^^^^^^^99284^^^^^^^^^^
^605^O^3010901^000004190^1002051477^784.0^^^^^^^^^^99283^^^^^^^^^^
^605^O^3010901^000000584^1002935319^786.50^^^^^^^^^^99283^^^^^^^^^^
^605^O^3010901^000002493^1002937423^727.3^^^^^^^^^^99283^^^^^^^^^^
^605^O^3010901^000001196^1002970145^362.51^^^^^^^^^^92004^^^^^^^^^^
^605^O^3010901^000006133^1002938190^496.^^^^^^^^^^99283^^^^^^^^^^
^605^O^3010901^000005721^1002947500^250.00^^^^^^^^^^99283^^^^^^^^^^
^605^O^3010901^000008269^1003153037^381.01^^^^^^^^^^99283^^^^^^^^^^
^605^O^3010904^000007300^1002930552^786.3^^^^^^^^^^99213^^^^^^^^^^
^605^O^3010901^000009686^1002932692^^^^^^^^^^^99281^^^^^^^^^^
^605^O^3010901^000004205^1000907645^724.2^^^^^^^^^^99282^^^^^^^^^^
^605^O^3010901^000008085^1009825449^562.01^^^^^^^^^^90780^93000^94760^99283^^^^
^^^^
^605^O^3010904^000001428^1002945580^272.4^^^^^^^^^^99212^^^^^^^^^^
^605^O^3010901^000008523^1002928831^^^^^^^^^^^99282^^^^^^^^^^
^605^O^3010901^000001068^1002967398^466.0^^^^^^^^^^99283^^^^^^^^^^
^605^O^3010901^000005887^1002381179^564.0^^^^^^^^^^99283^^^^^^^^^^
^605^O^3010901^000003594^1002947085^558.9^^^^^^^^^^99283^^^^^^^^^^
^605^O^3010901^000006310^1002926636^787.2^^^^^^^^^^99283^^^^^^^^^^
^605^O^3010901^000009099^1002928343^496.^^^^^^^^^^99282^^^^^^^^^^
```

Example: Outpatient Visits – Timing Report Message

```
Subj: PBM TIMING for report SEP 01, 2001 to SEP 30, 2001 from 605 JERRY
[#7256] 07/12/04@10:45  6 lines
From: PBMPHARMACIST,TWO  In 'IN' basket.   Page 1
-----------------------------------------------------------------------------
Outpatient Visits     JUL 11,2004@18:00   JUL 12,2004@10:45  16 hrs, 45 min
-----------------------------------------------------------------------------

**NOTE:  Timing for the Provider Data extract is not recorded when the
         the IV, Unit Dose, Prescription, and Patient Demographics extracts
         are run concurrently.
```

Example: Outpatient Visits – Confirmation Message

```
Subj: PBM Stats for SEP 01, 2001 to SEP 30, 2001 from 605 JERRY L PETTI
[#7257] 07/12/04@10:45  6 lines
From: PBMPHARMACIST,TWO  In 'IN' basket.   Page 1
-----------------------------------------------------------------------------
The chart below shows the package(s) whose dispensing statistics were extracted
by the PBM Manual Pharmacy Statistics option.

PACKAGE                     # Line items    # MailMan msgs
-----------------------------------------------------------------------------
Outpatient Visits               32807           4
```

4.9. Inpatient PTF Record Extract

Recent enhancements include an Inpatient Patient Treatment File (PTF) Record extract to collect inpatient treatment file data.

For inpatient stays, the discharge date is used to identify and extract PTF records. The start date of this extract shall be the discharge date 30 days prior to the first date of the reporting period. For example, if the reporting period is the month of August, the start date for this extract shall be 8/1 minus 30 days. If a PTF record is identified twice, within the same reporting month, the record shall only be sent once.

4.9.1. Statistics Format

Data element specifications for the Inpatient PTF Record extract are defined in detail in the table below.

INPATIENT PTF RECORD STATISTICS DATA FIELD SPECIFICATIONS				
DATA ELEMENT	**FILE #**	**FIELD #**	**PIECE # IN RECORD SENT**	**DESCRIPTION**
Sender (facility #)	INSTITUTION file (#4)	STATION NUMBER field (#99)	2	The software extracts the facility number at which the database resides to identify the sender of the MailMan message.
Unique PTF ID	PTF file (#45)		3	A unique ID established by concatenating the facility number to the Internal Entry Number of the PTF record in the PTF file (#45).
Admission Date for Inpatient Encounter	PTF file (#45)	ADMISSION DATE field (#2)	4	Internal format (minus time) Example: "2980409"
Discharge Date for Inpatient Encounter	PTF file (#45)	DISCHARGE DATE field (#70)	5	Internal format (minus time) Example: "2980409"
Patient SSN	PATIENT file (#2)	SOCIAL SECURITY NUMBER field (#.09)	6	Internal format Example: "123456789"

INPATIENT PTF RECORD STATISTICS DATA FIELD SPECIFICATIONS				
DATA ELEMENT	**FILE #**	**FIELD #**	**PIECE # IN RECORD SENT**	**DESCRIPTION**
ICN	PATIENT file (#2)	INTEGRATION CONTROL NUMBER field (#991.01)	7	Internal format Example: "1234" If ICN does not exist, send null.
ICD9 Codes – Diagnosis	ICD DIAGNOSIS file (#80)	CODE NUMBER field (#.01)	8-27	Internal format Example: "341.8, 341.9"
CPT Codes	ICD OPERATION/ PROCEDURE file (#80.1)	CODE NUMBER field (#.01)	28-37	Internal format Example: "99.10,75.37"

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4.9.2. Example MailMan Messages

A MailMan message is constructed in a double up-arrow (^^) delimited format as shown in the following example.

Example: Inpatient PTF Records – Detail Report Message

```
Subj: V. 4.0 PBMPTF 30109 1/1 605 JERRY L PETTIS VAMC  [#7267]
07/12/04@12:57  1481 lines
From: PBMPHARMACIST,EIGHT  In 'IN' basket.   Page 1
-------------------------------------------------------------------------------
^605^605112115^2980731^3010930^000004257^1001272602^438.21^414.01^427.31^311.^5
30.81^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
^605^605121375^2991025^3010921^000003418^1002926690^997.69^443.9^414.01^496.^53
3.90^401.9^719.40^^^^^^^^^^^^^^^^^^^^^^^^^^^
^605^605125435^3000512^3010918^000007258^1002925338^414.01^428.0^496.^296.50^79
9.4^309.81^427.89^263.9^^^^^^^^^^^^^^^^^^^^^^^^
^605^605126130^3000616^3010924^000001580^1003302075^294.8^^^^^^^^^^^^^^^^^^^^^^^
^^^^^^^^^^^^^
^605^605127557^3000828^3010927^000009544^1002926116^707.0^599.0^041.6^496.^344.
1^427.31^135.^571.8^714.0^599.84^^^^^^^^^^^^^^^^^^^^^^^^^^
^605^605129137^3001113^3010831^000002452^1005610402^357.0^428.0^285.9^401.9^^^^
^^^^^^^^^^^^^^^^^^^^^^^^
^605^605129170^3001114^3010818^000004196^1002932585^781.2^443.9^491.20^780.57^2
78.8^173.3^702.0^353.6^401.9^^^^^^^^^^^^86.3^93.22^^^^^^^^^^^^^^
^605^605130790^3010126^3010928^000004589^1002936409^459.81^707.19^401.9^^^^^^^^
^^^^^^^^^^^^^^^^^^^^^
^605^605130996^3010206^3010824^000002167^1002926427^459.81^707.19^296.7^^^^^^^^
^^^^^^^^^^^^^^^^^^^^
```

```
Subj: V. 4.0 PBMPTF 30109 1/1 605 JERRY L PETTIS VAMC  [#7267]   Page 2
-------------------------------------------------------------------------------
^605^605131122^3010212^3010910^000001953^1005881398^114.2^331.4^780.39^799.4^56
4.0^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
^605^605131326^3001019^3010805^000001682^1002944536^295.92^^^^^^^^^^^^^^^^^^^^^^
^^^^^^^^^^^^^^
^605^605131563^3010307^3010813^000004007^1002926483^572.2^571.5^780.39^294.8^90
7.0^070.54^276.5^486.^250.50^362.01^^^^^^^^^^^^^^^^^^^^^^^^^^^
^605^605131666^3010216^3010823^000002391^1002952842^290.40^437.0^295.62^780.39^
907.0^401.9^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
^605^605131717^3010314^3010913^000000039^1002937134^161.1^196.0^263.9^786.59^44
3.9^707.15^^^^^^^^^^^^^^^^^^^^^^^^^^^^
^605^605132132^3010405^3010803^000003010^1007732776^290.40^437.0^707.0^414.01^2
50.00^438.20^698.9^110.1^^^^^^^^^^^^^^^^^^^^^^^^^^^
^605^605132505^3010413^3010812^000002243^1007339220^191.2^780.39^112.0^523.4^53
0.81^311.^^^^^^^^^^^^^^^^^^^^^^^^^^^^
^605^605132636^3010419^3010927^000008832^1002927432^331.0^294.10^263.9^414.01^4
96.^562.10^250.00^401.9^^^^^^^^^^^^^^^^^^^^^^^^^^^
^605^605132822^3010427^3010811^000007096^1002068008^820.8^496.^427.31^185.^274.
9^401.9^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^^
^605^605132906^3010501^3010924^000001223^1002722269^682.6^274.9^401.9^^^^^^^^^^^
^^^^^^^^^^^^^^^^^^^^^
```

Example: Inpatient PTF Record – Timing Report Message

```
[#7268] 07/12/04@12:57  6 lines
From: PBMPHARMACIST,EIGHT  In 'IN' basket.   Page 1
-------------------------------------------------------------------------
Inpatient PTF Record   JUL 12,2004@12:56   JUL 12,2004@12:57   0 hrs,  1 min
-------------------------------------------------------------------------

**NOTE:  Timing for the Provider Data extract is not recorded when the
         the IV, Unit Dose, Prescription, and Patient Demographics extracts
         are run concurrently.
```

Example: Inpatient PTF Record – Confirmation Message

```
Subj: PBM Stats for SEP 01, 2001 to SEP 30, 2001 from 605 JERRY L PETTI
[#7269] 07/12/04@12:57  6 lines
From: PBMPHARMACIST,EIGHT  In 'IN' basket.   Page 1
-------------------------------------------------------------------------
The chart below shows the package(s) whose dispensing statistics were extracted
by the PBM Manual Pharmacy Statistics option.

PACKAGE                      # Line items     # MailMan msgs
-------------------------------------------------------------------------
Inpatient PTF Records
          1481            1
```

4.10. Provider Data Extract

Recent enhancements include a new Provider Data extract to incorporate provider data elements currently pulled from IV, Unit Dose, and Prescription as well as additional elements requested.

4.10.1. Statistics Format

Data element specifications are defined in detail in the table below.

PROVIDER DATA STATISTICS DATA FIELD SPECIFICATIONS				
DATA ELEMENT	**FILE #**	**FIELD #**	**PIECE # IN RECORD SENT**	**DESCRIPTION**
Provider Station	INSTITUTION file (#4)	NAME field (#.01)	2	
Provider SSN	NEW PERSON file (#200)	SOCIAL SECURITY NUMBER field (#.09)	3	
Provider Local IEN	PHARMACY PATIENT IV SUB-FILE file (#55.01) Or PHARMACY PATIENT UD SUB-FILE file (#55.06) Or PRESCRIPTION file (#52)	PROVIDER field (#.06) Or PROVIDER field (#1) Or PROVIDER field (#4)	4	
Provider Name	NEW PERSON file (#200)	NAME field (#.01)	5	
Provider Class	PROVIDER CLASS file (#7)	ABBREV TITLE field (#1) Or NAME field (#.01)	6	If the ABBREV TITLE field (#1) does not contain data, data from the NAME field (#.01) in the PROVIDER CLASS file (#7) shall be extracted. Transmission format: Internal value
Provider Service/Section	SERVICE/SECTION file (#49)	NAME field (#.01)	7	Refer to the **Note** below for name abbreviations.

PROVIDER DATA STATISTICS DATA FIELD SPECIFICATIONS				
DATA ELEMENT	**FILE #**	**FIELD #**	**PIECE # IN RECORD SENT**	**DESCRIPTION**
Provider Specialty	PERSON CLASS file (#8932.1)	CLASSIFICATION field (#1)	8	
Provider Subspecialty	PERSON CLASS file (#8932.1)	AREA OF SPECIALIZATION field (#2)	9	

Note: If the names listed below are found in the NAME field (#.01) of the SERVICE/SECTION file (#49), the associated abbreviation shall be extracted.

TEXT	ABBREVIATION	REPRESENTS
AMBU	AMB	Ambulatory Care
PRIMARY	AMB	Ambulatory Care
CBOC	AMB	Ambulatory Care
ANESTH	ANES	Anesthesiology
CARDIO	CV	Cardiology
PHARM	CPHAR	Clinical Pharmacy
DENT	DDS	Dental
INTERMED	IM	Intermediate Medicine
MEDIC	MED	Medicine
NEUROL	NEUR	Neurology
NUCLEAR	NUM	Nuclear Medicine
NURSING	RN	Nursing
OPHTH	OPH	Ophthalmology
ORTHOPED	ORTHO	Orthopedics
PSYCHIA	PSY	Psychiatry
MENTAL	PSY	Psychiatry
PULM	PUL	Pulmonary
RADIOL	RAD	Radiology
SURG	SUR	Surgery
UROLOG	U	Urology

Transmission format: Abbreviation specified above. If specified names not found, send null.

4.10.2. Example MailMan Messages

A MailMan message is constructed in a double up-arrow (^^) delimited format as shown in the following example.

Example: Provider Data – Detail Report Message

```
Subj: V. 4.0 PBMPRO 30109 1/1 605 JERRY L PETTIS VAMC  [#7667]
07/18/04@19:41  637 lines
From: PBMPHARMACIST,TWO  In 'IN' basket.   Page 1
--------------------------------------------------------------------------
^605^^3^MD^AMB^Physician/Osteopath^Nephrology^
^605^000001535^31^M.D.^MED^Physician/Osteopath^Family Practice^
^605^000001512^55^M.D.^MED^Physician/Osteopath^^
^605^000000036^78^^MED^Physician/Osteopath^Psychiatry^
^605^000005698^238^M.D.^MED^^^
^605^000005168^252^M.D.^NUM^Physician/Osteopath^Nuclear Medicine^
^605^000002791^299^M.D.^ANES^Physician/Osteopath^Pain Management - Anesthesiolo
gy^
^605^000001548^323^RPH^CPHAR^Pharmacist^^
^605^000007790^365^M.D.^MED^Physician/Osteopath^^
^605^000000667^388^RN^MED^Clinical Nurse Specialist^Medical-Surgical^
^605^^549^M.D.^MED^^^
^605^000006026^607^^MED^Physician/Osteopath^Psychiatry, Geriatric^
^605^000009499^642^^MED^Physician/Osteopath^Psychiatry^
^605^000001826^658^M.D.^^Physician/Osteopath^Hematology & Oncology^
^605^000007891^712^M.D.^MED^Physician/Osteopath^Internal Medicine^
^605^000009092^1128^RN^RN^Registered Nurse^^
^605^000006200^1131^M.D.^^Physician/Osteopath^Gastroenterology^
```

```
Subj: V. 4.0 PBMPRO 30109 1/1 605 JERRY L PETTIS VAMC  [#7667]   Page 2
--------------------------------------------------------------------------
^605^000000342^1138^DDS^DDS^Dentist^^
^605^000009983^1143^DDS^DDS^Dentist^Prosthodontics^
^605^000004539^1156^M.D.^NEUR^Physician/Osteopath^Neurology^
^605^000004031^1159^M.D.^NEUR^Physician/Osteopath^Neurology^
^605^000002889^1177^M.D.^^Physician/Osteopath^Nephrology^
^605^000003132^1382^M.D.^MED^Physician/Osteopath^Internal Medicine^
^605^000006385^1495^^SUR^Physician/Osteopath^Ophthalmology^
^605^000005911^1599^M.D.^^Physician/Osteopath^Oncology, Medical^
^605^000001743^1610^M.D.^MED^Physician/Osteopath^Internal Medicine^
^605^000006386^1613^M.D.^MED^Physician/Osteopath^Internal Medicine^
^605^000004511^1618^M.D.^^Physician/Osteopath^Nephrology^
^605^000000910^1633^M.D.^MED^Physician/Osteopath^Endocrinology, Diabetes & Meta
bolism^
^605^000002392^1654^M.D.^RAD^Physician/Osteopath^Radiology, Diagnostic^
^605^000002747^1699^M.D.^MED^Physician/Osteopath^Internal Medicine^
^605^000009105^1741^M.D.^AMB^Physician/Osteopath^^
^605^000008461^1763^M.D.^MED^Physician/Osteopath^Emergency Medicine^
^605^000009953^1793^M.D.^MED^Physician/Osteopath^Geriatric Medicine: Internal M
edicine^
^605^000000057^1809^M.D.^MED^Physician/Osteopath^Internal Medicine^
```

Example: Provider Data – Provider Summary Report Message

```
Subj: V. 4.0 PBMPRO 30109 605 JERRY L PETTIS VAMC  [#7668] 07/18/04@19:41
432 lines
From: PBMPHARMACIST,TWO  In 'IN' basket.   Page 1
-------------------------------------------------------------------------------
Provider Summary Report                                      JUL 18, 2004

              SEP 01, 2001  through  SEP 30, 2001


-------------------------------------------------------------------------------
Total Number of Incomplete Provider Records Extracted: 252
-------------------------------------------------------------------------------

IEN        Provider Name (SSN)                        Missing Data
-------------------------------------------------------------------------------
3          PBMPROVIDER,ONE (????)                     SSN
78         PBMPROVIDER,TWO (0036)                     PROVIDER CLASS
238        PBMPROVIDER,THREE (5698)                   SPECIALTY
                                                      SUBSPECIALTY
549        PBMPROVIDER,FOUR (????)                    SSN
                                                      SPECIALTY
                                                      SUBSPECIALTY
607        PBMPROVIDER,FIVE (6026)                    PROVIDER CLASS

Subj: V. 4.0 PBMPRO 30109 605 JERRY L PETTIS VAMC  [#7668]   Page 2
-------------------------------------------------------------------------------
642        PBMPROVIDER,SIX (9499)                     PROVIDER CLASS
658        PBMPROVIDER,SEVEN (1826)                   SERVICE/SECTION
1131       PBMPROVIDER,EIGHT (6200)                   SERVICE/SECTION
1177       PBMPROVIDER,NINE (2889)                    SERVICE/SECTION
1495       PBMPROVIDER,TEN (6385)                     PROVIDER CLASS
1599       PBMPROVIDER,ELEVEN (5911)                  SERVICE/SECTION
1618       PBMPROVIDER,TWELVE (4511)                  SERVICE/SECTION
1834       PBMPROVIDER,THIRTEEN (3045)                PROVIDER CLASS
1868       PBMPROVIDER,FOURTEEN (0711)                PROVIDER CLASS
                                                      SERVICE/SECTION
                                                      SPECIALTY
                                                      SUBSPECIALTY
1883       PBMPROVIDER,FIFTEEN (0660)                 SERVICE/SECTION
1896       PBMPROVIDER,SIXTEEN (7456)                 PROVIDER CLASS
                                                      SPECIALTY
                                                      SUBSPECIALTY
1897       PBMPROVIDER,SEVENTEEN (9472)               PROVIDER CLASS
1919       PBMPROVIDER,EIGHTEEN (9754)                PROVIDER CLASS
2001       PBMPROVIDER,NINETEEN (2958)                PROVIDER CLASS
2023       PBMPROVIDER,TWENTY (0582)                  PROVIDER CLASS
```

Example: Provider Data – Timing Report Message

```
Subj: PBM TIMING for report SEP 01, 2001 to SEP 30, 2001 from 605 JERRY
[#7669] 07/18/04@19:41  6 lines
From:  PBMPHARMACIST,TWO  In 'IN' basket.   Page 1
-----------------------------------------------------------------------------
Provider Information   JUL 18,2004@13:01   JUL 18,2004@19:41   6 hrs, 40 min
-----------------------------------------------------------------------------

**NOTE:  Timing for the Provider Data extract is not recorded when the
         the IV, Unit Dose, Prescription, and Patient Demographics extracts
         are run concurrently.
```

Example: Provider Data – Confirmation Message

```
Subj: PBM Stats for SEP 01, 2001 to SEP 30, 2001 from 605 JERRY L PETTI
[#7670] 07/18/04@19:41  6 lines
From: PBMPHARMACIST,TWO  In 'IN' basket.   Page 1
-----------------------------------------------------------------------------
The chart below shows the package(s) whose dispensing statistics were extracted
by the PBM Manual Pharmacy Statistics option.

PACKAGE                    # Line items    # MailMan msgs
-----------------------------------------------------------------------------
Provider Information             637             1
```

(This page included for two-sided copying.)

4.11. Allergies/Adverse Events Extract

The Allergies/Adverse Events extract collects allergy and adverse reactions documented for a patient.

Allergy and adverse reaction data documented for a patient is extracted using the verification date/time for the reporting period. Only verified allergy and adverse reactions are extracted in this manner.

The following data is not extracted:
- Allergy or adverse reactions marked as entered in error.
- Allergy or adverse reactions entered for a test patient, identified by having five leading zeros in the SOCIAL SECURITY NUMBER field (#.09) and/or having the TEST PATIENT INDICATOR field (#.6) set to "Yes" in the PATIENT file (#2).
- Allergy or adverse reactions to an immunization recorded in the PCE application.

Allergy or adverse reactions shall only be extracted from the PATIENT ALLERGIES file (#120.8). All event date/time(s) recorded in the ADVERSE REACTION REPORT file (#120.85) within the reporting period for a verified allergy/adverse reaction shall be extracted.

4.11.1. Statistics Format

Specific data elements are extracted for allergy and adverse reactions. The following chart explains the format for Allergies/Adverse Events Information Statistics as they appear in the MailMan message.

ALLERGIES/ADVERSE EVENTS INFORMATION STATISTICS DATA FIELD SPECIFICATIONS				
DATA ELEMENT	FILE #	FIELD #	PIECE # IN RECORD SENT	DESCRIPTION
Allergy/Adverse Event ID = Facility station number + IEN in Patient Allergies File	INSTITUTION file (#4) PATIENT ALLERGIES file (#120.8)	STATION NUMBER field (#99)	2	The facility is the default institution found in the MailMan domain site parameters. The facility station number will be concatenated with the IEN of the Allergy/Adverse Event in the Patient Allergies file to create the Allergy/Adverse Event ID.

			PIECE # IN RECORD	
DATA ELEMENT	**FILE #**	**FIELD #**	**SENT**	**DESCRIPTION**
Patient SSN	PATIENT file (#2)	SOCIAL SECURITY NUMBER field (#.09)	3	If the SSN does not exist, send null.
Patient ICN	PATIENT file (#2)	INTEGRATION CONTROL NUMBER field (# 991.01) ICN CHECKSUM field (#991.02) (Values in both fields are concatenated with a "V".)	4	Free Text. Example: "1010185893V199552" If an ICN does not exist, send null.
Reactant	PATIENT ALLERGIES file (#120.8)	REACTANT field (#.02)	5	User may select from the following files: VA DRUG CLASS file (#50.605) VA GENERIC file (#50.6) DRUG file (#50) DRUG INGREDIENTS file (#50.416) GMR ALLERGIES file (#120.82)
Reactant File	PATIENT ALLERGIES file (#120.8)	GMR ALLERGY field (#1)	6	When the user selects a reactant from one of the files listed above, the file number will be extracted..
Allergy Type	PATIENT ALLERGIES file (#120.8)	ALLERGY TYPE field (#3.1)	7	Internal Format. "D" for Drug "F" for Food "O" for Other or combination, such as "DF" for Drug, Food
Origination Date/time	PATIENT ALLERGIES file (#120.8)	ORIGINATION DATE/TIME field (#4)	8	Internal Format (date). Example: "3011001.0900"
Originator's Service/Section	SERVICE/SECTION file (#49)	NAME field (#.01)	9	Internal Format (free text). Example: "NURSING"

ALLERGIES/ADVERSE EVENTS INFORMATION STATISTICS DATA FIELD SPECIFICATIONS				
DATA ELEMENT	FILE #	FIELD #	PIECE # IN RECORD SENT	DESCRIPTION
Observed/Historical Flag	PATIENT ALLERGIES file (#120.8)	OBSERVED/HIST ORICAL field (#6)	10	Internal Format. "o" for Observed "h" for Historical
Mechanism	PATIENT ALLERGIES file (#120.8)	MECHANISM field (#17)	11	Internal format. "A" for Allergy "P" for Pharmacologic "U" for Unknown
Event Date/Time	ADVERSE REACTION REPORTING file (#120.85)	DATE/TIME OF EVENT field (#.01)	12	Internal Format (date). Example: "3011001.0900"
Observed – Severity	ADVERSE REACTION REPORTING file (#120.85)	SEVERITY field (#14.5)	13	External format. Mild Moderate Severe
Sign/Symptom(s)	REACTIONS multiple (#10) in PATIENT ALLERGIES file (#120.8)	REACTION sub-field (#.01) **or** OTHER REACTION sub-field (#1) (Free text)	14-19	If the sign/symptom entered in the REACTION sub-field (#.01) equals "OTHER REACTION", the value for the sign/symptom shall be extracted from the OTHER REACTION sub-field (#1). This is where the free text sign/symptom is stored.

Note: Pieces 14-19 of this record will repeat for each sign/symptom. The record will allow for up to six sign/symptoms to be extracted and transmitted.

4.11.2. Example MailMan Messages

A MailMan message is constructed in a double up-arrow (^^) delimited format as shown in the following example.

Example: Allergies/Adverse Events – Detail Report Message

```
Subj: V. 4.0 PBMAA 30106 1/1 605 JERRY L PETTIS VAMC  [#8672]
08/10/04@11:48  5 lines
From: PBMPHARMACIST,TWO  In 'IN' basket.   Page 1

------------------------------------------------------------------------

^60581857^000009999^1012237589V692969^TERAZOSIN^50.6^D^3061002.05^MEDICINE/NEUR

OLOGY^h^P^^^DIZZINESS^^^^^^
```

```
^60581858^000009999^1006029646V215983^PENICILLIN^50.6^D^3061002.0812^NURSING SE

RVICE^h^A^^^RASH^FEVER^^^^^

^60581867^000009999^1008969114V872239^OMEPRAZOLE^50.6^D^3061002.131^MEDICINE/NE

UROLOGY^o^P^3061002^MILD^DIARRHEA^^^^^^

^60581869^000009999^1005629866V604195^ORAL CONTRAST MEDIA^120.82^D^3061002.1358

^MEDICINE/NEUROLOGY^h^P^^^DIARRHEA^^^^^^

^60581925^000009999^1009057832V771463^PENICILLIN^50.6^D^3061005.1238^NURSING SE

RVICE^h^A^^^DYSPNEA^RASH^SWELLING^^^^

^60581926^000009999^1002670370V354180^INTRAVASCULAR CONTRAST MEDIA^120.82^D^306

1005.1331^NURSING SERVICE^h^A^^^RASH^^^^^^

^60581942^000009999^1012385894V929522^PENICILLIN^50.6^D^3061006.1012^NURSING SE

RVICE^h^P^^^DYSPNEA^RASH^SWELLING^^^^
```

Example: Allergies/Adverse Events –Timing Report Message

```
Subj: PBM TIMING for report JUN 01, 2001 to JUN 30, 2001 from 605 JERRY
[#8673] 08/10/04@11:48  6 lines
From: PBMPHARMACIST,TWO  In 'IN' basket.   Page 1
-------------------------------------------------------------------------------
Allergies/Adverse Ev   AUG 10,2004@11:47   AUG 10,2004@11:48   0 hrs,  1 min
-------------------------------------------------------------------------------

**NOTE:  Timing for the Provider Data extract is not recorded when
         the IV, Unit Dose, Prescription, and Patient Demographics extracts
         are run concurrently.
```

Example: Allergies/Adverse Events – Confirmation Message

```
Subj: PBM Stats for JUN 01, 2001 to JUN 30, 2001 from 605 JERRY L PETTI
[#8674] 08/10/04@11:48  6 lines
From: PBMPHARMACIST,TWO  In 'IN' basket.   Page 1
-------------------------------------------------------------------------------
The chart below shows the package(s) whose dispensing statistics were extracted
by the PBM Manual Pharmacy Statistics option.

PACKAGE                      # Line items    # MailMan msgs
-------------------------------------------------------------------------------
Allergies/Adverse Events          7              1
```

4.12. Vitals/Immunizations Information Extract

The Vital/Immunization Extract collects patient vital and immunization records. Both types of records are transmitted in the same MailMan message.

Vital measurements are extracted using the date/time the vitals were taken for the reporting period. The latest vital measurement for each vital type requested shall be extracted for the reporting period. Any vital measurement marked as entered in error is screened out. Vital measurements for the following vital types are extracted:

- Blood Pressure
- Height
- Weight
- Pain
- Pulse
- Pulse Oximetry

Vital measurements for a test patient shall not be extracted. Test patients are identified by having five leading zeros in the SOCIAL SECURITY NUMBER field (#.09) and/or having the TEST PATIENT INDICATOR field (#.6) set to "Yes" in the PATIENT file (#2).

Immunization data is extracted using the date/time of the visit when the immunization was recorded as given for the reporting period. Immunization data for a test patient shall not be extracted. Test patients are identified by having five leading zeros in the SOCIAL SECURITY NUMBER field (#.09) and/or having the TEST PATIENT INDICATOR field (#.6) set to "Yes" in the PATIENT file (#2).

4.12.1. Statistics Format

Specific data elements are extracted for a vital measurement and immunization record. The following chart explains the format for the Vitals/Immunizations Information Statistics as they appear in the MailMan message.

VITALS/IMMUNIZATIONS INFORMATION STATISTICS DATA FIELD SPECIFICATIONS				
DATA ELEMENT	FILE #	FIELD #	PIECE # IN RECORD SENT	DESCRIPTION
Facility Station Number	INSTITUTION file (#4)	STATION NUMBER field (#99)	2	The facility is the default institution found in the MailMan domain site parameters.
Date/Time Vital Taken - OR - Immunization Date/time (date of visit when immunization was given)	GMRV VITAL MEASUREMENT file (#120.5) V IMMUNIZATION file (#9000010.11)	DATE/TIME VITALS TAKEN field (#.01) EVENT DATE AND TIME field (#1201)	3	Internal format. Example: "3011010.0900" (vital & immunization)
Record type	N/A	N/A	4	To differentiate between a vital and immunization record, a "V" for Vital record and an "I" for Immunization record will be transmitted.
Patient SSN	PATIENT file (#2)	SOCIAL SECURITY NUMBER field (#.09)	5	Internal format. Example: "123456789" If SSN does not exist, a null value will be transmitted.
Patient ICN	PATIENT file (#2)	INTEGRATION CONTROL NUMBER field (# 991.01) ICN CHECKSUM field (#991.02) (Values in both fields are concatenated with a "V".)	6	Free text. Example: "1010185893V199552" If an ICN does not exist, send a null value.
Immunization	IMMUNIZATION file (#9999999.14)	IMMUNIZATION field (#.01)	7	Free text. Example: "INFLUENZA"
Vital Type	GMRV VITAL TYPE file (#120.51)	NAME field (#.01)	8	Free Text. Example: "BLOOD PRESSURE"

VITALS/IMMUNIZATIONS INFORMATION STATISTICS DATA FIELD SPECIFICATIONS				
DATA ELEMENT	FILE #	FIELD #	PIECE # IN RECORD SENT	DESCRIPTION
Rate (a numeric value associated with this vital measurement)	GMRV VITAL MEASUREMENT file (#120.5)	RATE field (#1.2)	9	Free text. Example: "70" for weight; "140/80" for blood pressure. Or Users can enter a reason for omission, such as "REFUSE, PASS, or UNAVAILABLE." Pain scale codes: 0 – Patient verbalizes no pain. 1-10 – Patient verbalizes pain with "1" representing minimal pain and "10" representing worst imaginable pain. 99 – Patient unable to respond/communicate pain level.
Unit associate with rate (if applicable)	N/A	N/A	10	Free text. Regardless of how the user enters a measurement, the software automatically converts the value and stores it in a standard format. The following units will be transmitted for a specific vital type: Weight – "lb" Height – "in" Pulse Oximetry – "%" Null value will be sent for Blood Pressure, Pain, and Pulse since there is no unit associated with these vital types.
Qualifier(s) 1 - 4	GMRV VITAL QUALIFIER file (#120.52)	QUALIFIER field (#.01)	11-14	Free text Example: weight may have the following qualifiers: "dry" or "actual". Not all measurements will have an associated qualifier. A measurement can have multiple qualifiers. Currently, the maximum number of qualifiers a vital may have is 4.

4.12.2. Example MailMan Messages

A MailMan message is constructed in a double up-arrow (^^) delimited format as shown in the following example.

Example: Vitals/Immunizations Information – Detail Report Message

```
Subj: V. 4.0 PBMVI 30109 1/4 605 JERRY L PETTIS VAMC  [#8675]
08/10/04@11:55  10000 lines
From: PBMPHARMACIST,TWO  In 'IN' basket.   Page 1
--------------------------------------------------------------------------
^605^3010901.1055^V^000007446^1006019979V41089^^BLOOD PRESSURE^146/83^^^^^^
^605^3010901.1055^V^000007446^1006019979V41089^^PAIN^6^^^^^^
^605^3010901.1055^V^000007446^1006019979V41089^^PULSE^93^^^^^^
^605^3010921.07^V^000003035^1002936262V619083^^BLOOD PRESSURE^112/50^^^^^^
^605^3010916.1714^V^000003035^1002936262V619083^^HEIGHT^71^IN^^^^^
^605^3010921.07^V^000003035^1002936262V619083^^PAIN^0^^^^^^
^605^3010921.07^V^000003035^1002936262V619083^^PULSE^80^^^^^^
^605^3010916.1714^V^000003035^1002936262V619083^^WEIGHT^150^LBS^^^^^
^605^3010927.1002^V^000004026^1002930709V651569^^BLOOD PRESSURE^112/40^^^^^^
^605^3010927.1002^V^000004026^1002930709V651569^^HEIGHT^66^IN^^^^^
^605^3010927.1002^V^000004026^1002930709V651569^^PAIN^7^^^^^^
^605^3010927.1002^V^000004026^1002930709V651569^^PULSE^52^^^^^^
^605^3010927.1002^V^000004026^1002930709V651569^^WEIGHT^200.9^LBS^^^^^
^605^3010919.1034^V^000000971^1002929377V415816^^BLOOD PRESSURE^110/58^^^^^^
^605^3010919.1034^V^000000971^1002929377V415816^^PULSE^62^^^^^^
^605^3010919.1034^V^000000971^1002929377V415816^^WEIGHT^185.2^LBS^^^^^
^605^3010919.0743^V^000004414^1002946917V569685^^BLOOD PRESSURE^115/63^^^^^^
^605^3010917.0949^V^000004414^1002946917V569685^^HEIGHT^70^IN^^^^^


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

```
Subj: V. 4.0 PBMVI 30109 1/4 605 JERRY L PETTIS VAMC  [#8675]   Page 2
--------------------------------------------------------------------------
^605^3010919.0743^V^000004414^1002946917V569685^^PAIN^0^^^^^^
^605^3010919.0743^V^000004414^1002946917V569685^^PULSE^56^^^^^^
^605^3010917.0949^V^000004414^1002946917V569685^^WEIGHT^175^LBS^^^^^
^605^3010920.0824^V^000001991^1002948737V812618^^BLOOD PRESSURE^140/60^^^^^^
^605^3010920.0824^V^000001991^1002948737V812618^^HEIGHT^67^IN^^^^^
^605^3010920.0824^V^000001991^1002948737V812618^^PAIN^0^^^^^^
^605^3010920.0824^V^000001991^1002948737V812618^^PULSE^76^^^^^^
^605^3010920.0824^V^000001991^1002948737V812618^^WEIGHT^214^LBS^^^^^
^605^3010927.1043^V^000006972^1007413451V523412^^BLOOD PRESSURE^140/48^^^^^^
^605^3010927.1043^V^000006972^1007413451V523412^^PAIN^3^^^^^^
^605^3010927.1043^V^000006972^1007413451V523412^^PULSE^56^^^^^^
^605^3010927.1043^V^000006972^1007413451V523412^^WEIGHT^207.2^LBS^^^^^
^605^3010925.1132^V^000003049^1002956604V989529^^BLOOD PRESSURE^138/81^^^^^^
^605^3010925.1132^V^000003049^1002956604V989529^^PAIN^0^^^^^^
^605^3010925.1132^V^000003049^1002956604V989529^^PULSE^107^^^^^^
^605^3010925.1132^V^000003049^1002956604V989529^^WEIGHT^301^LBS^^^^^
^605^3010913.1035^V^000001787^1002928955V238845^^BLOOD PRESSURE^148/76^^^^^^
^605^3010913.1035^V^000001787^1002928955V238845^^PAIN^0^^^^^^
^605^3010913.1035^V^000001787^1002928955V238845^^PULSE^76^^^^^^
^605^3010913.1035^V^000001787^1002928955V238845^^WEIGHT^175.7^LBS^^^^^
```

Example: Vitals/Immunizations –Timing Report Message

```
Subj: PBM TIMING for report SEP 01, 2001 to SEP 30, 2001 from 605 JERRY
[#7592] 07/16/04@15:49  6 lines
From: PBMPHARMACIST,TWO  In 'IN' basket.   Page 1
-----------------------------------------------------------------------------
Vitals/Immunizations   JUL 16,2004@15:45   JUL 16,2004@15:49   0 hrs,  4 min
-----------------------------------------------------------------------------

**NOTE:  Timing for the Provider Data extract is not recorded when the
         the IV, Unit Dose, Prescription, and Patient Demographics extracts
         are run concurrently.
```

Example: Vitals/Immunizations – Confirmation Message

```
Subj: PBM Stats for SEP 01, 2001 to SEP 30, 2001 from 605 JERRY L PETTI
[#7593] 07/16/04@15:49  6 lines
From: PBMPHARMACIST,TWO  In 'IN' basket.   Page 1
-----------------------------------------------------------------------------
The chart below shows the package(s) whose dispensing statistics were extracted
by the PBM Manual Pharmacy Statistics option.

PACKAGE                       # Line items     # MailMan msgs
-----------------------------------------------------------------------------
Vitals/Immunizations Information34471          4
```

4.13. Lab Extract

Extracted data is electronically exported via MailMan to the PBM national database at Hines from each VA Medical Center or Outpatient Clinic. MailMan messages are downloaded to text files onto the PBM network and run through a translation program. The data is then appended to an existing PBM Pharmacy dispensing master file.

If an IV order has multiple IV additives/solutions that are assigned the same VA drug class that requires laboratory data extraction, repetitive laboratory data will be sent. The same rule applies for a UD order with multiple dispense drugs that have the same VA drug class. If an IV order, UD order, or a Prescription contains a drug for which more than one laboratory test is extracted, all pieces of information will be repeated with the exception of the laboratory data.

Specific laboratory test results for IV additive(s) or solution(s), dispensed drug(s), and prescription drugs that have designated VA Drug Classes will be extracted (see table below). The latest test result going back one year will be extracted.

VA Drug Class Code	Laboratory Test Name	Wkld code
AN500	Testosterone	83405.0000
AN500	Testosterone Free	81062.0000
CV200	Creatinine	82565.0000
CV350	Cholesterol LDL	83017.0000
CV350	Cholesterol HDL	83013.0000
CV350	Triglycerides w o extract	84480.0000
CV350	Cholesterol Total	82466.0000
CV350	Transferase Aspartate (SGOT)	84455.0000
CV350	Transferase Alanine Amino (SGPT)	84465.0000
CV800	Creatinine	82565.0000
CV800	Potassium	84140.0000
GA301	Creatinine	82565.0000
HS502	Glucose Quant	84330.0000
HS502	Glycohemoglobin HbA 1c	85053.0000
HS502	Glycohemoglobin HbA 1c	85052.0000
HS502	Transferase Aspartate (SGOT)	84455.0000
HS502	Transferase Alanine Amino (SGPT)	84465.0000

4.13.1.   Statistics Format

Data element specifications for the Lab extract are defined in detail in the table below.

DATA ELEMENT	FILE #	FIELD #	PIECE # IN RECORD SENT	DESCRIPTION
LAB INFORMATION STATISTICS DATA FIELD SPECIFICATIONS				
Sender (facility # and suffix)	MEDICAL CENTER DIVISION file (#40.8) Or OUTPATIENT SITE file (#59)	FACILITY NUMBER field (#1) Or SITE NUMBER field (#.06)	2	
Patient SSN	PATIENT file (#2)	SOCIAL SECURITY NUMBER field (#.09)	3	
IV Order #	PHARMACY PATIENT IV sub-file (#55.01)	ORDER NUMBER field (#.01)	4	
UD Order #	PHARMACY PATIENT –UNIT DOSE sub-file (#55.06)	ORDER NUMBER field (#.01)	5	
Prescription #	PRESCRIPTION file (#52)	RX # field (#.01)	6	
Generic Drug Name	DRUG file (#50)	GENERIC NAME field (#.01)	7	
Laboratory Test Name	LABORATORY TEST file (#60)	NAME field (#.01)	8	
Results + Units	CHEM, HEM, TOX, RIA, SER, etc., multiple (#63.04) within the LAB DATA file (#63) SITE/SPECIMEN multiple (#60.01) within the LABORATORY TEST file (#60)	LOCATION (data name) field (#5) UNITS field (#6)	9	
Hi/Lo Flag	LAB DATA file (#63)	Results node, 2nd global piece	10	

LAB INFORMATION STATISTICS DATA FIELD SPECIFICATIONS				
DATA ELEMENT	**FILE #**	**FIELD #**	**PIECE # IN RECORD SENT**	**DESCRIPTION**
Sender (facility # and suffix)	MEDICAL CENTER DIVISION file (#40.8) Or OUTPATIENT SITE file (#59)	FACILITY NUMBER field (#1) Or SITE NUMBER field (#.06)	2	
Date/Time Specimen Collected	CHEM, HEM, TOX, RIA, SER, etc., multiple (#63.04) within the LAB DATA file (#63)	DATE/TIME SPECIMEN TAKEN field (#.01)	11	

4.13.2. Example MailMan Messages

A MailMan message is constructed in a double up-arrow (^^) delimited format as shown in the following examples.

Example: Lab – Detail Report Message

```
Subj: V. 4.0 PBMLR 29808 1/1 556 NORTH CHICAGO  [#7571106] 17 Sep 98 02:55  5725 Lines
From: PBMPHARMACIST,ELEVEN in 'IN' basket.   Page 1
-----------------------------------------------------------------------------

^556^000003333^1^^^FAMOTIDINE 10MG/ML INJ 4ML^CREATININE^.9 mg/dL^^2980731.08001^
^556^000007777^32^^^FAMOTIDINE 10MG/ML INJ 4ML^CREATININE^2.3 mg/dL^H^2980731.083934^
^556^000005555^3^^^FAMOTIDINE 10MG/ML INJ 4ML^CREATININE^1.4 mg/dL^^2980730.143023^
^556^000008888^^14^^GEMFIBROZIL 600MG TAB^CHOLESTEROL^192. mg/dL^^2980507.08^
^556^000008888^^14^^GEMFIBROZIL 600MG TAB^SGOT^33. U/L^^2980507.08^
^556^000008888^^14^^GEMFIBROZIL 600MG TAB^TRIGLYCERIDES^107. mg/dL^^2980507.08^
^556^000008888^^14^^GEMFIBROZIL 600MG TAB^HDL CHOLESTEROL^65 mg/dl^^2980507.08^
^556^000008888^^14^^GEMFIBROZIL 600MG TAB^LDL CHOLESTEROL^106 mg/dl^^2980507.08^
^556^000008888^^^1317395^LISINOPRIL 5MG TAB^CREATININE^.8 mg/dL^^2971230.083336^
^556^000002222^^^1317395^LISINOPRIL 5MG TAB^POTASSIUM^4.6 mmol/L^^2971230.083336^
^556^000004444^^^1319160^NIFEDIPINE (ADALAT CC) 60MG SA TAB^CREATININE^1.0 mg/dL^^
2980105.105717^
```

Example: Lab - Laboratory Statistical Summary Message

```
Subj: V. 4.0 PBMLR 29808  556PA NC-PRRTP  [#7571162] 17 Sep 98 02:55  4 Lines
From: PBMPHARMACIST,TWELVE   in 'IN' basket.   Page 1
-----------------------------------------------------------------------------

Laboratory Statistical Summary Data for AUG 1,1998 through AUG 31,1998

Total Patients          9
Total Laboratory Tests  35


Select MESSAGE Action: IGNORE (in IN basket)// <Enter>
```

Example: Laboratory Statistical Data Message

```
Subj: V. 4.0 PBMLR 29808  556PA NC-PRRTP  [#7571163] 17 Sep 98 02:55  39 Lines
From: PBMPHARMACIST,TWELVE   in 'IN' basket.   Page 1
-----------------------------------------------------------------------------

Laboratory Statistical Data for AUG 1,1998 through AUG 31,1998


Patient SSN    VA CODE  Laboratory        Results        Flag  Date/Time Taken
-----------------------------------------------------------------------------
000004322      CV800    CREATININE        1.0 mg/dL            07/01/98 0818
                        POTASSIUM         3.8 mmol/L           07/01/98 0818
000008348      HS502    GLUCOSE           211. mg/dL     H     07/28/98 0718
                        HEMOGLOBIN A1C    10.9 %         H     07/28/98 0718
000002996      CV200    CREATININE        1.3 mg/dL            02/10/98 0718
               CV350    CHOLESTEROL       175. mg/dL           02/10/98 0718
                        SGOT              26. U/L              02/10/98 0718
                        TRIGLYCERIDES     268. mg/dL     H     02/10/98 0718
                        HDL CHOLESTEROL   31 mg/dl             02/10/98 0718
                        LDL CHOLESTEROL    90 mg/dl            02/10/98 0718
               CV800    CREATININE        1.3 mg/dL            02/10/98 0718
                        POTASSIUM         4.7 mmol/L           02/10/98 0718
               HS502    GLUCOSE           155. mg/dL     H     02/10/98 0718
                        SGOT              26. U/L              02/10/98 0718
                        HEMOGLOBIN A1C    5.8 %                02/10/98 0719
000003405      CV200    CREATININE        .9 mg/dL             03/31/98 0724
000009656      CV350    CHOLESTEROL       281. mg/dL     H     06/03/98 0725
                        SGOT              23. U/L              06/03/98 0725
                        TRIGLYCERIDES     239. mg/dL     H     06/03/98 0725
                        HDL CHOLESTEROL   37 mg/dl             06/03/98 0725
                        LDL CHOLESTEROL   196 mg/dl      H     06/03/98 0725
000006829      CV200    CREATININE        .9 mg/dL             07/14/98 0723
               GA301    CREATININE        .9 mg/dL             07/14/98 0723
               HS502    GLUCOSE           286. mg/dL     H     07/31/98 0723
                        SGOT              83. U/L        H     07/14/98 0723
                        GLUCOSE, 2HR PP   405. mg/dl     H     07/31/98 1010
                        HEMOGLOBIN A1C    7.4 %          H     07/14/98 0723
000006902      CV200    CREATININE        1.1 mg/dL            06/23/98 1442
               GA301    CREATININE        1.1 mg/dL            06/23/98 1442
000003405      CV350    CHOLESTEROL       237. mg/dL     H     07/29/98 0707
```

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5. HL7 Messages

Recent enhancements allow real-time transmission of all verified Chemistry Laboratory tests via Health Level 7 (HL7) messaging to port 5001 in the Consolidated Mail Outpatient Pharmacy National Server (CMOP-NAT).

HL7 and TCP/IP are the communication protocols that are used to transmit messages between VistA databases and the VistA HL7 Optimized (HLO) process on the CMOP-NAT server.

Two links are required for message transactions:
1. The VMAC sending link sends HL7 messages to Pharmacy Benefits Management (PBM) at the CMOP-NAT server.
2. The PBM HL7 listener link receives the HL7 messages.

No data is transmitted for patients who are employees; otherwise, each VAMC will send all verified Chemistry Lab tests results to PBM, including hematology and urinalysis.

On the CMOP-NAT server, a daily job processes all the HL7 messages received the previous day. The Chemistry Lab test results at each site are stored in a delimited flat file in a predefined Windows directory on the CMOP-NAT server.

Note: The event protocols for the HL7 sending link and the lab results need to be loaded at all facilities. In addition, the listening link must be set up on the CMOP-NAT server for the messaging to function properly.

5.1. Data Specifications

Data element specifications that make up the new HL7 Lab extract are defined in detail in the table below.

DATA ELEMENT	HL7 SEGMENT	SOURCE	FORMAT	FIELD LENGTH (UL)	COMMENTS
Facility	OBX-15	INSTITUTION field (#.01) within the ACCESSION AREA multiple (#60.11) within the LABORATORY TEST file (#60)	Internal number Example: '578'	3	
Patient SSN	PID-19	SOCIAL SECURITY NUMBER field (#.09) of PATIENT file (#2)	Internal format Example: '123456789'	10	
Patient ICN	PID-12	INTEGRATION CONTROL NUMBER field (# 991.01) ICN CHECKSUM field (#991.02) of PATIENT file (#2) (Values in both fields are concatenated with a 'V'.)	Free Text Example: '1010185893V199552'	12	If ICN does not exist send null
Local Laboratory Test Name	OBX-3	NAME field (#.01) of LABORATORY TEST file (#60)	Internal format Example: 'Potassium'	Up to 40 characters	
LOINC Code	OBX-3 .	CODE field (#.01) of LAB LOINC file (#95.3) pointer by LOINC CODE field (#95.3) within the SITE/SPECIMEN multiple (#60.1) within the LABORATORY TEST file (#60)	Internal format Example: '269'	Up to 9 characters	

DATA ELEMENT	HL7 SEGMENT	SOURCE	FORMAT	FIELD LENGTH (UL)	COMMENTS
National Lab test (NLT) Code	OBX-3	ORDERED TEST field (#.35) within the CHEM, HEM, TOX, RIA, SER, etc. multiple (#63.04) within the LAB DATA file (#63)	Internal format	Up to 10 characters	
Site/Specimen	OBX-3	NAME field (#.01) within the TOPOGRAPHY FIELD file (#61) pointer by SITE/SPECIMEN field (#.01) within the SITE/SPECIMEN multiple (#60.01) within the LABORATORY TEST file (#60)	Internal format	Up to 80 characters	
Results	OBX-5	Field is dependant on test.	Internal format Example: '5.0'		Field is dependent on test
Units	OBX-6	UNITS field (#6) within the SITE/SPECIMEN multiple (#60.01)	Internal format Example: 'mg/dl'		
High Range	OBX-7	REFERENCE HIGH field (#2) within the SITE/SPECIMEN multiple (#60.01) within the LABORATORY TEST file (#60)	Internal format Example: "200" or "REACTIVE"	Up to 50 characters	
Low Range	OBX-7	REFERENCE LOW field (#1) within the SITE/SPECIMEN multiple (#60.01) within the LABORATORY TEST file (#60)	Internal format Example: "60" or "NEGATIVE"	Up to 50 characters	
Date/time Specimen Collected	OBR-7	DATE/TIME SPECIMEN TAKEN field (#.01) within the CHEM, HEM, TOX, RIA, SER, etc. multiple (63.04) within the multiple LAB DATA file (#63)	Internal format Example: 2970814.1400	12 characters	

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6. Glossary

Additive   A drug that is added to an IV solution for the
                                      purpose of parenteral administration. An additive
                                      can be an electrolyte, a vitamin or other nutrient, or
                                      an antibiotic, but only electrolyte—or multivitamin-
                                      type additives can be entered as IV fluid additives
                                      in CPRS.

Admixture   A type of intravenously administered medication
                                      comprised of any number of additives (including
                                      zero) in one solution. It is given at a specified flow
                                      rate; when one bottle or bag is empty, another is
                                      hung.

Adverse Reaction   Any condition precipitated by a drug, which
                                      requires patient treatment, admission, or transfer;
                                      prompts a specialty consultation; or causes injury or
                                      death. Every allergy is an adverse reaction, but
                                      every adverse reaction is not an allergy.

Allergy   A state of hypersensitivity induced by exposure to a
                                      certain agent.

Allergy Type   The type of causative agent, such as FOOD or
                                      DRUG.

AMIS Category   Classification of AR/WS drugs for AMIS purposes.
                                      There are four AMIS categories:

Category	Description
0	Drug is classified as field 03 or 04, which includes tablets, capsules, multidose vials, etc. It does not include multiple-dose externals, liquids, or antacids.
1	Drug is classified as field 06 or 07, which includes multiple-dose externals, liquids, antacids, otics, opthalmics, and inhalations.
2	Drug is classified as field 17, which includes solutions and administration sets.
3	Drug is classified as field 22, which includes blood and blood products.

AMIS Conversion Number	Reflects the number of doses/units contained in a single quantity dispensed. For example, for a 20cc vial, the quantity dispensed is 1, and the AMIS conversion number is 20.
Area of Use (AOU)	A place where commonly stocked items are stored for use by wards or treatment areas. An AOU may serve one or more wards or clinics, or, as in the case of "cardiac cath lab", no ward.
Automatic Replenishment/ Ward Stock (AR/WS)	A method of drug distribution and inventory management within a hospital. Drug products can be automatically inventoried and delivered to an Area of Use (AOU) or requested on demand.
Average Unit Drug Cost	The total drug cost divided by the total number of units of measurement.
Chemotherapy	Chemotherapy is the treatment or prevention of cancer with chemical agents. The chemotherapy IV type can be administered as a syringe, admixture, or a piggyback. Once the subtype (syringe, piggyback, etc.) is selected, the order entry follows the same procedure as the type that corresponds to the selected subtype (example: piggyback type of chemotherapy follows the same entry procedure as regular piggyback IV).
Conjunction	A term used to build a SIG for a complex medication order. Conjunctions used are 'AND', 'THEN', or 'EXCEPT'.
Controlled Substance	A drug that has been marked for tracking through the Controlled Substances package. It is usually narcotic.
CPRS	Acronym for Computerized Patient Record System.
Credit	This is money due to the VA facility from the prime vendor. When an invoice dollar amount is more than the adjusted dollar amount, Drug Accountability flags it as an outstanding credit. When the facility receives a credit memo, the credit data is entered in Drug Accountability.

DEA Special Handling   The Drug Enforcement Agency special handling code used for drugs to designate if they are over-the-counter, narcotics, bulk compounds, supply items, etc.

Dispense Units per Dose   The number of units (tablets, capsules, etc.) to be dispensed as a dose for an order.

Dispense Units per Order Unit   This is the total number of dispense units contained in one order unit. For example, if you order a case containing 12 bottles with 1,000 tablets in each bottle, the dispense unit per order unit is 12,000 per the following equation:

Dispense Units: TAB
Order Unit: CS

The case contains 12 bottles of 1,000 tablets
12 x 1,000 = 12,000
DISPENSE UNITS PER ORDER UNIT: 12,000

Dispensing Unit   This field is used to indicate the pharmacy dispensing units when converting the unit per issue to the pharmacy dispensing units.

Dosage Ordered   A single dose of medication that the patient will receive for a prescription (outpatient medication) order.

Drug   A substance used to treat illness or disease.

DRUG file (#50)   A VistA file used by Pharmacy software products. This file is used to list generic drug products and holds the information related to each drug that can be used to fill a prescription.

Duration   The length of time a medication should be given. A numeric value is usually entered followed by one of the following:
M = Minutes
H = Hours
D = Days
W = Weeks
L = Months

HL7	Health Level Seven. Application protocol for electronic data exchange in health care environments.
HLO	Optimized version of HL7, designed to provide significantly improved messaging.
Historical	An allergy that has been stated by some source versus one that is actually witnessed by some personnel at the facility.
Hyperalimentation (Hyperal)	Long term feeding of a protein-carbohydrate solution. Electrolytes, fats, trace elements, and vitamins can be added. Since this solution generally provides all necessary nutrients, it is commonly referred to as Total Parenteral Nutrition (TPN). A hyperal is composed of many additives in two or more solutions. When the labels print, they show the individual electrolytes in the hyperal order.
IFCAP	Integrated Funds Distribution Control Point Activity, Accounting and Procurement. A VA software package that tracks procurement and payment.
Infusion Rate	The designated rate of flow of IV fluids into the patient.
Inpatient Site	An area within a facility that treats patients that have been admitted. If the facility has more than one Inpatient dispensing area, it is necessary to link each pharmacy location to the appropriate Inpatient site (area) for the collection of dispensing data.
Invoice	A bill for ordered goods. Each invoice is numbered. See entry for Order Number vs. Item Number.
IV Additive	A drug that is added to an IV solution for the purpose of parenteral administration. An additive can be an electrolyte, a vitamin, or other nutrient; or an antibiotic. Only electrolyte or multivitamin type additives can be entered as IV fluid additives in CPRS.

IV Piggyback (IVPB)	Small volume parenteral solution for intermittent infusion. A piggyback is comprised of any number of additives, including zero, and one solution; the mixture is made in a small bag. The piggyback is given on a schedule (for example, Q6H). Once the medication flows in, the piggyback is removed; another is not hung until the administration schedule calls for it.
IV Solution	Usually a Large Volume Parenteral (LVP), administered as a vehicle for additive(s) or for pharmacological effect of the solution itself. Infusion is generally continuous. An LVP or piggyback has only one solution (primary solution). A hyperal can have one or more solutions.
IV SOLUTIONS file (#52.7)	Contains drugs, which are used as primary solutions in the IV room. The solution must already exist in the DRUG file (#50) to be selected. Data in this file includes drug generic name, print name, status, drug information, synonym(s), volume, and electrolytes.
LVP	Large Volume Parenteral—Admixture. A solution intended for continuous parenteral infusion administered as a vehicle for additive(s) or for the pharmacological effect of the solution itself. Composed of any number of additives, including zero, in one solution. An LVP runs continuously, with another bag hung when one bottle or bag is empty.
Line Item	This is the information on the invoice for an ordered drug.
MailMan	An electronic mail, teleconferencing, and networking system.
Master Vault	An inventory location created to store a select group of controlled substances and track their balance and activity.
Mechanism	In the context of Adverse Reaction Tracking (ART), this is an indicator of whether the data for the patient is just an adverse reaction or an allergy.

Narcotic Area of Use (NAOU)	A place where commonly stocked Controlled Substances drugs are stored for use by pharmacy, wards, or treatment areas. There are three types of NAOUs: 1) Master Vault, 2) Satellite Vault, and 3) Narcotic Locations.
NDC	Acronym for National Drug Code. A field (with various field numbers) that exists in the DRUG file (#50), ITEM MASTER file (#441). With some formatting adjustments the field is used to match entries in otherwise unlinked files and open the door for comparative displays and reports. The code itself contains a maximum of 12 digits. The first six digits are the manufacturer's code, the next four are the product code, and the last two digits are the package code.
Noun	**A** term associated with the dosage form assigned to the drug; used by the Outpatient Pharmacy software to build a SIG for a prescription order.
Observed	An allergy or adverse reaction that has actually been witnessed by some personnel at the facility.
Order	VA's request for goods from the vendor.
Order Number vs. Invoice Number	An order number is a VA number by which to charge the ordered goods. The invoice number is the vendor's number for billing the ordered goods. There can be many invoice numbers assigned to one order number because by law, certain drugs have to be placed on an invoice by itself. Also drugs can come from different distribution centers, which necessitates different invoice numbers.
Origination Date/Time	The date/time the allergy or adverse reaction was entered into the system.
Originator	The person who entered the allergy or adverse reaction into the system.

Outpatient Site	An area within a facility that treats patients that are not admitted to the facility. If a facility has more than one Outpatient dispensing area, it is necessary to link each pharmacy location to the appropriate Outpatient site (area) for the collection of Outpatient dispensing data.
PBM	Acronym for Pharmacy Benefits Management.
Pharmacy Location	An inventory location created to store a select group or all of non-controlled drugs and track their balance and activity.
Piggyback	Small volume parental solution for intermittent infusion. A piggyback is composed of any number of additives, including zero, and one solution; the mixture is made in a small bag. The piggyback is given on a schedule (example: Q6H). Once the medication flows in, the piggyback is removed; another is not hung until the administration schedule calls for it.
Pre-Exchange Units	The number of actual units required for an order until the next cart exchange.
Prescription	This term is now referred to throughout the software as medication orders.
Prime Vendor	A procurement system where each section orders pharmaceutical supplies directly from one primary vendor via computer link.
Print Name	Drug generic name as it is to appear on pertinent IV output, such as labels and reports. Volume is not part of the print name.
Process	Process is matching invoice data with data in VistA and validating the data. Matching is accomplished by comparing the line item data on the invoice with its entry in the DRUG file (#50). Validating is accomplished by confirming the quantity received vs. the quantity invoiced. Anyone holding the PSA ORDERS key can process the invoice.

Provider	The person who authorized an order. Only users identified as providers who are authorized to write medication orders may be selected.
Reactant	The causative agent that caused a patient to have an allergy or adverse reaction.
Record Type	In the context of this document, a code to differentiate a vital from an immunization record.
Refill	A second or subsequent filling authorized by the provider.
Reporting Period	The period for the Start/Stop dates entered by the user for the PBM extract.
Route	How the medication is taken, administered, or used.
Schedule	The frequency by which the doses are to be administered, such as Q8H, BID, NOW, etc.
Severity	An index of how the allergy or adverse reaction affected the patient.
SIG	The Latin term "signa" meaning "label." SIG refers to instructions printed on the prescription label.
Sign/Symptom	Something that could be subjectively or objectively measured that indicates an allergy or adverse reaction.
Syringe	Type of IV that uses a syringe rather than a bottle or bag. The method of infusion for a syringe-type IV may be continuous or intermittent.
Unit	A standard form of measure.
VA Drug Class Code	A drug classification system used by VA that separates drugs into different categories based upon their characteristics. IV cost reports can be run for VA Drug Class Codes, provided the Outpatient Pharmacy V. 5.6 or later package has been installed at the site.
Verb	A term that helps to describe how the medication will be taken/used.

VA Generic Name   A name given to an item (drug, supply, etc.) in pharmacy files. It is this name which is matched with the entry in the GENERIC NAME field (#.01) of the local DRUG file.

VA Product Name   The unique name assigned to each drug product. This name includes strength, unit, and dosage form.

VistA   Veterans Health Information Systems and Technology Architecture.

Vital Qualifier   Further defines the vital sign; a word that gives a more detailed description of an item.

Vital Type   A category of a vital sign or measurement (for example, pulse, respiration, or blood pressure).

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