CONSOLIDATED MAIL OUTPATIENT PHARMACY (CMOP)

USER MANUAL

Version 2.0
April 1997

(Revised September 2002)

Department of Veterans Affairs
V*IST***A** System Design & Development

Revision History

Any changes subsequent to the initial release of this manual are listed below. The users should update the manual with the pages listed under the Revised Pages column. Pages listed in parentheses are unchanged but included for two-sided copying.

Date	Revised Pages	Patch Number	Description
09/02	Title Page; i-(ii); 65-66.	PSX*2*34	Updated Title Page and Revision History; modified description of Unreleased Rx's Report to include new sort and print options. Formatting change unrelated to the patch: Header for example of Rejected Messages Report moved to same page as body of report.
05/02	Title Page; i-viii; (61)-62; 67-(68).	PSX*2*32	Updated Title page; added Revision History page and renumbered Preface and Table of Contents pages; added new CMOP DRUG Cost Missing report; and amended Facility Activity Report description to add time range. Screen captures on updated pages re-formatted to new standards.
12/97			Original Released User Manual.

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Preface

Version 2.0 of Consolidated Mail Outpatient Pharmacy (CMOP) software processes and automatically transmits prescription data from a Veterans Affairs Medical Center to a CMOP host facility. The CMOP host facility then mails prescriptions from an integrated and highly automated outpatient prescription dispensing system. This CMOP user manual is intended for pharmacists and pharmacy technicians who are familiar with the functionality of Outpatient Pharmacy Version 6.0.

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Introduction to the User Manual

Package Functional Description

The Consolidated Mail Outpatient Pharmacy (CMOP) software package establishes an interface for the electronic transfer of information between Veterans Affairs Medical Centers (VAMCs) and the Consolidated Mail Outpatient Pharmacy host system for an integrated and highly automated outpatient prescription dispensing system.

About This Manual

This manual contains a description of all the Consolidated Mail Outpatient Pharmacy options and the Outpatient Pharmacy (OP) options that have been modified to incorporate functionality necessary for CMOP. For an example of the Outpatient Pharmacy functionality for these options, we recommend the users refer to the *Outpatient Pharmacy User Manual Version 6.0*.

This manual is divided into two chapters. The first chapter consists of two sections that contain options used by the remote medical centers. The first section of Chapter One comprises the *CMOP Site Manager Menu* options. The second section contains the Outpatient Pharmacy options modified for CMOP. The modifications to the OP options, for the most part, are not apparent to the user. These modified Outpatient Pharmacy options are only used at the remote medical centers.

Chapter Two contains the options necessary for the host CMOP facility. These options are listed under the *CMOP System Management Menu*.

An index and appendices are located at the end of this manual and contain added information and guidance for the user. The appendices cover information such as interface log messages, examples of CMOP Rx labels, an example of marking CMOP drugs when a new dispense unit is required, a flowchart showing the processing of a CMOP prescription, and examples of MailMan messages.

Intranet

Documentation for this product can now be found on the intranet. You will find it at the following address:
http://www.vista.med.va.gov/softserv/clin_bro.ad/index.html
This address will take you to the Clinical Products page where you will find a listing of all the clinical software manuals. Click on the Consolidated Mail Outpatient Pharmacy (CMOP) link and it will take you to the CMOP Homepage. You can also get there by going straight to the following address:
http://www.vista.med.va.gov/softserv/clin_nar.row/cmop/index.html

☞ Remember to bookmark this site for future reference.

Special Instructions for the "First Time" Computer User

If you are unfamiliar with the CMOP package or other Veterans Health Information Systems and Technology Architecture (**V***IST***A**) software applications, we recommend that you study the DHCP *User's Guide to Computing*. This orientation guide is a comprehensive handbook benefiting first time users of any **V***IST***A** application. The purpose of the introductory material is to help you become familiar with basic computer terms and the components of a computer. It is reproduced and distributed periodically by the Kernel Development Group. To request a copy, contact your local Information Resources Management (IRM) staff.

Special Notations

In this manual, the user's response is underlined and in **bold** type, but will not appear on the screen underlined and bold. The underlined and bold part of the entry is the letter or letters that must be typed so that the computer can identify the response. In most cases, you need only enter the first few letters. This increases speed and accuracy.

Every response you type must be followed by pressing the return key (or enter key for some keyboards). Whenever the return or enter key should be pressed, you will see the symbol **<RET>**. This symbol is not shown but is implied if there is underlined and bold input.

Throughout the package, help frames may be accessed from most prompts by entering one, two, or three question marks (?, ??, ???).

Within the examples representing actual terminal dialogues, the author may offer information about the dialogue. This information is enclosed in brackets (e.g., *[Screen Clears])* and will not appear on the screen.

Change Pages

Future modifications to the software may require changes to the documentation. Change pages will contain the new version number and date in the footer. Vertical lines in the margin may also be used to further highlight changes on a page.

Package Management/Legal Requirements

This package does not impose any additional legal requirements on the user, nor does it relieve the user of any legal requirements. All users are reminded that many of the reports generated by this package contain confidential patient information which is protected by the Privacy Act. Names and social security numbers used in the examples are fictitious.

Icons

Icons used to highlight key points in this manual are defined as follows:

Required security keys

Indicates the user should take note of the information.

CHAPTER 1: REMOTE MEDICAL CENTER

Section 1: CMOP Site Manager Menu

PSXCMOPMGR

The CMOP site manager uses the options on this menu to manage the operations necessary for the Consolidated Mail Outpatient Pharmacy. This menu contains the following options:

Activate/Inactivate CMOP Processing
Display System Setup
Purge Status of CMOP Rx Queue
CMOP Drug/Item Management...
Reports Menu...
Resubmit CMOP Rx
Transmission Menu...

Getting Out of an Option

To stop what you are doing, enter an up-arrow (^). You can use the up-arrow at any prompt to terminate the line of questioning. Continue entering up-arrows to completely exit from the system.

Activate/Inactivate CMOP Processing

PSXCMOPMGR

The CMOP site manager selects this option to request that the remote medical center be activated or inactivated for CMOP processing of outpatient prescriptions.

When the remote medical center enters a request to activate for CMOP processing, a notification message is sent to the CMOP for the request. The message triggers an ALERT to the CMOP manager at the host facility to take action on the request. If the CMOP takes action to grant the request to activate, the remote entry in the CMOP NATIONAL SITE file (#552) is marked Active. A return confirmation message is sent to the facility to activate the entry and notify the requester that the system has been activated and CMOP processing may begin. If the CMOP takes action to deny the request, a return notification message advises the requester of the action to deny.

Example: Activate/Inactivate CMOP Processing

[This is the remote.]

```
Select CMOP Site Manager Menu Option: Activate/Inactivate CMOP Processing


        ************************************************************
        WARNING:  There are Rx's currently suspended for CMOP.

        If you inactivate CMOP processing:
        1)  These Rx's will not transmit to the CMOP, but will remain
            in the RX SUSPENSE file.  These Rx's cannot be accessed by
            Outpatient Pharmacy options.  Ideally, these Rx's should
            be transmitted or printed before inactivation takes place.
            If CMOP processing is activated, these prescriptions can
            be transmitted.
        2)  Before inactivating, please have all pharmacy users sign
            off until inactivation is complete.  CMOP Rx's input by
            users who do not sign off the system will be suspended for
            CMOP transmission. (See #1)
        3)  Your current auto transmission schedule will be
            cancelled on inactivation.
        ************************************************************

REGION 1 CMOP is the current active CMOP system.

Do you want to Inactivate the REGION 1 CMOP system? NO// YES


Are you sure? NO// YES

The REGION 1 CMOP system has been inactivated.
Activate another system? NO// <RET>


Select CMOP Site Manager Menu Option: <RET>
```

[This is the host.]

```
          Enter  "VA   VIEW ALERTS     to review alerts


Select CMOP Site Manager Menu Option: VIEw Alerts


 1.I  BIRMINGHAM, AL.has inactivated CMOP processing.
          Select from 1 to 1
          or enter ?, A, I, P, M, R, or ^ to exit: ??

YOU MAY ENTER:
   A number in the range 1 to 1 to select specific alert(s)
      for processing.
   A to process all of the pending alerts in the order shown.
   I to process all of the INFORMATION ONLY alerts, if any, without further
ado.
   P to print a copy of the pending alerts on a printer
   M to receive a MailMan message containing a copy of these pending alerts
   R to Redisplay the available alerts
   ^ to exit


          Select from 1 to 1
          or enter ?, A, I, P, M, R, or ^ to exit: A

Processed Alert Number 1
    BIRMINGHAM, AL.has inactivated CMOP processing.
```

[This is the remote.]

```
Select CMOP Site Manager Menu Option: Activate/Inactivate CMOP Processing
Enter CMOP System:  REGION 1 CMOP          INACTIVE
Enter mailman domain: CMOP-REGI.MED.VA.GOV// <RET>

                              CMOP SYSTEM STATUS

REGION 1 CMOP  (INACTIVE)     No current transmission
CMOP Domain                 : BAB.ISC-BIRM.VA.GOV
Last Batch Transmitted      : 167
CMOP RX Queue purged        : JUN 3,1996@13:41:16
Auto Transmission setup     : NO

Are you sure you want to activate the REGION 1 CMOP system? NO// YES

Request to activate sent to REGION 1 CMOP.
```

[This is the host.]

```
Select CMOP Site Manager Menu Option: VIEw Alerts


 1.   BIRMINGHAM, AL. has submitted a request to activate CMOP processing.
          Select from 1 to 1
          or enter ?, A, I, P, M, R, or ^ to exit: A


     Select one of the following:

          A         APPROVED
          D         DISAPPROVED

BIRMINGHAM, AL. has submitted a request to activate CMOP processing.

Select: APPROVED
```

[This is the remote.]

```
Select CMOP Site Manager Menu Option: VIEw Alerts


 1.I  Permission to transmit to REGION 1 CMOP has been received.
          Select from 1 to 1
          or enter ?, A, I, P, M, R, or ^ to exit: A


Processed Alert Number 1
    Permission to transmit to REGION 1 CMOP has been received.


Select CMOP Site Manager Menu Option: <RET>
```

Display System Setup

This option displays on the screen the following information for the currently **active** CMOP System:

- **System Name**
- **Status** (Active/Inactive)
- **CMOP Domain**
  (Receiver address from CMOP SYSTEM file (#550) for use by transmission protocol)
- **Transmission Status**
  Current status of CMOP processing (Transmitting data or No current transmission).
- **Last Batch Transmission**
  Batch number last transmitted to the CMOP.
- **Auto-transmission Setup**
  YES indicates a background job has been queued to transmit CMOP data and it will be rescheduled to transmit automatically.
- **CMOP Rx Queue Purge Date/Time**
  Date and time of the last auto-purge of the CMOP RX QUEUE file (#550.1).

Purge Status of CMOP Rx Queue

This option provides a status report of the latest purge of the CMOP Rx queue. This report prints to the screen only. This report includes the date and time of the last purge, the starting and ending message number, and the total orders purged.

CMOP Drug/Item Management

PSXCMOPMGR

The CMOP Manager uses this submenu to perform operations required to transmit selected drug/items to the CMOP host facility.

Loop CMOP Match to Local Drug File
CMOP Mark/Unmark (Single drug)
CMOP Data from Your Local Drug File
Drug Enter/Edit
Drugs not Flagged for CMOP Transmission

Loop CMOP Match to Local Drug File

PSNMGR

With this option users select entries in the local DRUG file (#50), review NATIONAL DRUG file (NDF) (#50.6) matches, and mark entries to transmit to the CMOP.

Example: Loop CMOP Match to Local Drug File

```
Select CMOP Site Manager Menu Option: CMOP Drug/Item Management


Select CMOP Drug/Item Management Option: Loop CMOP Match to Local Drug File

This option allows you to choose entries from your drug file and helps you
review your NDF matches and mark individual entries to send to CMOP.

If you mark the entry to transmit to CMOP, it will replace your Dispense Unit
with the VA Dispense Unit. In addition, you may overwrite the local drug name
with the VA Print Name and the entry will remain uneditable.

Do you wish to loop through the whole file?
(If you answer "NO", you will loop through ONLY the ones previously marked as
"Do not transmit to CMOP").
Enter Yes or No: NO

I have to build a table before you can begin "looping" so let me put you on
"hold" for a moment.
.............................................................
```

```
  VA Print Name: GUAIFENESIN 100MG/5ML SYRUP         VA Dispense Unit: ML


     Local Drug Generic Name: GUAIFENESIN 100MG/5ML LIQUID
               VA Drug Class: RE302

                  ORDER UNIT: 120ML
  DISPENSE UNITS/ORDER UNITS: 120
              DISPENSE UNIT: MG/ML
  PRICE PER DISPENSE UNIT: 0.01

** This entry has been previously marked NOT to transmit to CMOP **

Do you wish to mark this drug to transmit to CMOP?
Enter Yes or No: YES

Your old Dispense Unit  MG/ML  does not match the new one  ML.
You may wish to edit the Price Per Order Unit and/or the Dispense
Units Per Order Unit.

PRICE PER ORDER UNIT: 0.01// <RET>
DISPENSE UNITS PER ORDER: 120// <RET>

Do you wish to overwrite your local name?
Enter Yes or No: YES

     VA Print Name: GUAIFENESIN 100MG/5ML SYRUP

   Local Drug Name                            CMOP?    VA D.U.        O.W.?
-------------------------------------------------------------------------------
1. GUAIFENESIN 100MG/5ML SYRUP               YES      ML             YES
      Price Per Order Unit = 0.01
      Dispense Units Per Order Unit = 120

If you answer "Yes" you will go to the next VA Print Name. If you answer "No"
you will go back through this particular VA Print Name group.

Are you sure everything is correct?
Enter Yes or No: YES

You've completed marking everything that is possible.
```

CMOP Mark/Unmark (Single drug)

PSNMGR

The user can mark or unmark a single drug for transmission to the CMOP with this option.

If a drug marked for CMOP in the DRUG file (#50) needs to be edited, the entry must be unmarked for CMOP using the *CMOP Mark/Unmark (Single drug)* option. Once editing is completed, the drug must be re-marked for CMOP using the *CMOP Mark/Unmark (Single drug)* option.

*****IMPORTANT*****

When using the option *CMOP Mark/Unmark (Single drug)* to mark a drug for CMOP the user **must** update the cost information in the DRUG file (#50) to ensure the cost data for the refill will be correct.

Example 1: Marking a CMOP Drug (Single drug)

```
Select CMOP Site Manager Menu Option: CMOP Drug/Item Management

Select CMOP Drug/Item Management Option: CMOP Mark/Unmark (Single drug)

This option allows you to choose entries from your drug file and helps you
review your NDF matches and mark individual entries to send to CMOP.

If you mark the entry to transmit to CMOP, it will replace your Dispense Unit
with the VA Dispense Unit. In addition, you may overwrite the local drug name
with the VA Print Name and the entry will remain uneditable.

Select DRUG GENERIC NAME:    GUAIFENESIN 100MG/5ML LIQUID          RE302


   Local Drug Generic Name: GUAIFENESIN 100MG/5ML LIQUID
                 ORDER UNIT: 120ML
DISPENSE UNITS/ORDER UNITS: 120
             DISPENSE UNIT: EA
   PRICE PER DISPENSE UNIT: 0.01

VA Print Name: GUAIFENESIN 100MG/5ML SYRUP       VA Dispense Unit: ML
VA Drug Class: CN103

Do you wish to mark this drug to transmit to CMOP?
Enter Yes or No: YES
QUANTITY DISPENSE MESSAGE: ENTER IN MULTIPLES OF 120.
```

```
Your old Dispense Unit  EA  does not match the new one  ML.
You may wish to edit the Price Per Order Unit and/or The Dispense
Units Per Order Unit.

PRICE PER ORDER UNIT: 3.70// 1.20
DISPENSE UNITS PER ORDER UNIT: 1// 120

Do you wish to overwrite your local name?
Enter Yes or No: YES
Select DRUG GENERIC NAME: <RET>
```

Example 2: Unmarking a CMOP Drug (Single drug)

```
Select CMOP Site Manager Menu Option: CMOP Drug/Item Management

Select CMOP Drug/Item Management Option: CMOP Mark/Unmark (Single drug)
This option allows you to choose entries from your drug file and helps you
review your NDF matches and mark individual entries to send to CMOP.

If you mark the entry to transmit to CMOP, it will replace your Dispense Unit
with the VA Dispense Unit. In addition, you may overwrite the local drug name
with the VA Print Name and the entry will remain uneditable.

Select DRUG GENERIC NAME:    GUAIFENESIN 100MG/5ML SYRUP          RE302

   Local Drug Generic Name: GUAIFENESIN 100MG/5ML SYRUP
                ORDER UNIT: 120ML
DISPENSE UNITS/ORDER UNITS: 120
             DISPENSE UNIT: ML
   PRICE PER DISPENSE UNIT: 0.01

VA Print Name: GUAIFENESIN 100MG/5ML SYRUP            VA Dispense Unit: ML
VA Drug Class: CN103

Do you wish to UNmark this drug to transmit to CMOP?
Enter Yes or No: YES

Select DRUG GENERIC NAME: <RET>
```

CMOP Data from Your Local Drug File

The user prints a report of data in the local DRUG file (#50) marked to transmit to the CMOP using this option. The report groups drugs together that are matched to the same VA Print Name along with the VA Dispense Unit. This report must be sent to a printer.

Example: CMOP Data from Your Local Drug File

```
Select CMOP Site Manager Menu Option: CMOP Drug/Item Management

Select CMOP Drug/Item Management Option: CMOP Data from Your Local Drug File

This option will produce a report to help you review your NDF matches.
The report will group drugs together that are matched to the same VA Print
Name along with the VA Dispense Unit. These will be used for CMOP purposes.
You may queue the report to print, if you wish.

DEVICE: [Select print device.] [This report must be sent to a printer.]
```

..... report follows .....

```
          LOCAL DRUGS MATCHED TO THE SAME VA PRINT NAME
                                                   Date printed: SEP 15,1996
                                                    Page: 1
VA PRINT NAME                                       VA DISPENSE UNIT
     Local GENERIC NAME                                 Local DISPENSE UNIT
-------------------------------------------------------------------------------
ACETAMINOPHEN 650MG RTL SUPP                        EA
     ACETAMINOPHEN 650MG RTL SUPP                       EA

ACETAZOLAMIDE 125MG TAB                             TAB
     ACETAZOLAMIDE 125MG TAB                            TAB

ACETAZOLAMIDE 250MG TAB                             TAB
     ACETAZOLAMIDE 250MG TAB                            TAB

ACETAZOLAMIDE 500MG SA CAP                          CAP
     ACETAZOLAMIDE 500MG SA CAP                         CAP

ACETIC ACID 0.25% IRRG SOLN                         ML
     ACETIC ACID 0.25% IRRG SOLN                        ML

ACETIC ACID 2% OTIC SOLN                            ML
     ACETIC ACID 2% OTIC SOLN                           ML

ACETIC ACID 2/ALUM ACET 10.79% OTIC SOLN            ML
     ACETIC ACID 2/ALUM ACET 10.79% OTIC SOLN           ML

ACETIC ACID 2/DESONIDE 0.05% OTIC SOLN              ML
     ACETIC ACID 2/DESONIDE 0.05% OTIC SOLN             ML
      •
      •
      •
```

[This report has been abbreviated to save space.]

Drug Enter/Edit

PSXCMOPMGR

With this option the user adds new drugs to the file, edits existing drugs, and inactivates drugs. When an entry in DRUG file (#50) is marked for CMOP, the GENERIC NAME and DISPENSE UNIT fields **cannot** be edited. If editing of these fields is necessary, the entry must be unmarked for CMOP using the *CMOP Mark/Unmark (Single drug)* option. Once editing is completed, the drug must be re-marked for CMOP using the *CMOP Mark/Unmark (Single drug)* option.

Example: Drug Enter/Edit

```
Select CMOP Site Manager Menu Option: CMOP Drug/Item Management

Select CMOP Drug/Item Management Option: DRUG Enter/Edit

Select DRUG GENERIC NAME: AMOXA
     1   AMOXAPIN 100 MG TAB
     2   AMOXAPINE 100MG TAB             CN601     N/F
     3   AMOXAPINE 150MG TAB                  N/F     12-10-84
CHOOSE 1-3: 2

DO YOU WANT TO MARK THIS DRUG AS AN Outpatient Pharmacy ITEM? NO// N  (NO)

GENERIC NAME: AMOXAPINE 100MG TAB// AMOXAPIN 100MG
CMOP drug names may not be edited.??
     Answer must be 1-40 characters in length
GENERIC NAME: AMOXAPINE 100MG TAB// <RET>
MESSAGE: <RET>
QUANTITY DISPENSE MESSAGE: 5ml 10 ml only // ?
    Answer must be 1-68 characters in length.  Do not enter special characters
    such as quotes, semicolons, colons.
QUANTITY DISPENSE MESSAGE: 5ml 10 ml only // <RET> [Do not enter special characters,
e.g., semi-colon (;), caret (^), grave (`), forward slash (/), or colon (:).]
VA CLASSIFICATION: CN601// <RET>
DEA, SPECIAL HDLG: 6// <RET>
MAXIMUM DOSE PER DAY: <RET>
STANDARD SIG: <RET>
FSN: <RET>
NDC: 0005-5391-23// <RET>
WARNING LABEL: <RET>
Select SYNONYM: ASENDIN 100MG TAB// <RET>
  SYNONYM: ASENDIN 100MG TAB// <RET>
  INTENDED USE: <RET>
  NDC CODE: <RET>
Select SYNONYM: <RET>
REORDER LEVEL: <RET>
ORDER UNIT: BT// <RET>
PRICE PER ORDER UNIT: 27.23// 28.25
NORMAL AMOUNT TO ORDER: <RET>
DISPENSE UNIT: TAB// CAP
Dispense unit of CMOP drug cannot be edited!??
     Answer must be 1-10 characters in length.
DISPENSE UNIT: TAB// <RET>
DISPENSE UNITS PER ORDER UNIT: 100// <RET>
PRICE PER DISPENSE UNIT is 0.283
SOURCE OF SUPPLY: <RET>
```

```
NON-FORMULARY: N/F// <RET>
INACTIVE DATE: <RET>
CURRENT INVENTORY: 89970// <RET>

Select DRUG GENERIC NAME: <RET>
```

Drugs not Flagged for CMOP Transmission

This report generates a list of items in the local DRUG file (#50) which are available at the CMOP, but have not been marked for transmission. This report must be sent to a printer.

Example: Drugs not Flagged for CMOP Transmission

```
Select CMOP Site Manager Menu Option: CMOP Drug/Item Management

Select CMOP Drug/Item Management Option: DRUGS NOT Flagged for CMOP Transmission

This report will print all drugs marked for Outpatient use which are non-
controlled substances and are not marked to transmit to CMOP.
This report requires 132 columns.
You may queue the report to print, if you wish.


DEVICE: [Select print device.] [This report must be sent to a printer.]
```

..... report follows .....

```
                              OUTPATIENT DRUGS NOT MARKED TO SEND TO CMOP
                                                      Date printed: FEB 15,1997
                                                      Page: 1
LOCAL DRUG NAME                          STATUS        VA PRINT NAME
-------------------------------------------------------------------------------------
ALDOCLOR-150 TAB                         NOT MARKED    CHLOROTHIAZIDE 150/METHYLDOPA 250MG TAB

ALDOCLOR-250 TAB                         NOT MARKED    CHLOROTHIAZIDE 250/METHYLDOPA 250MG TAB

ANAMINE SYRUP                            NOT MARKED    CTM 2/PSEUDOEPHEDRINE 30MG/5ML LIQUID

ANTHRA-DERM OINT 0.25% 1.5OZ             NOT MARKED    ANTHRALIN 0.25% OINT

ANTHRALIN 1.0% CR 50GM                   NOT MARKED    ANTHRALIN 1% CREAM

APRESAZIDE 100/50 CAP                    NOT MARKED    HYDRALAZINE 100/HCTZ 50MG CAP

APRESAZIDE 50/50 CAP                     NOT MARKED    HYDRALAZINE 50/HCTZ 50MG CAP

APRESOLINE-ESIDRIX TAB                   NOT MARKED    HYDRALAZINE 25/HCTZ 15MG TAB

ARISTO-PAK 4MG TAB                       DO NOT SEND   TRIAMCINOLONE 4MG TAB

ARISTOCORT A 0.1% OINT 60GM              NOT MARKED    TRIAMCINOLONE ACETONIDE 0.1% OINT
        .
        .
        .
```

[This report has been abbreviated to save space.]

Reports

This menu provides reports available at the CMOP remote medical centers which contain information on data transmitted to the host facility.

Count of CMOP Suspended Rx's
Medical Center Activity Report
Rx Workload Report
Turnaround Time Report

Count of CMOP Suspended Rx's

This option is used to count suspended CMOP Rx's sorted by day. The report contains the suspense date, the number of CMOP Rx's queued, transmitted, printed locally, and the total number of CMOP Rx's in suspense.

Medical Center Activity Report

This option allows you to print a report of the totals by transmission the number of orders and Rx's transmitted to the CMOP Host facility and the number of those Rx's that are released, not dispensed and unreleased.

Rx Workload Report

This report provides daily totals for a selected date range listing prescriptions entered with a mail and window routing, mail and window prescriptions released by Outpatient, and prescriptions released by CMOP. The OTHER column totals all other prescriptions, i.e., cancelled, deleted, etc.

Turnaround Time Report

This option prints the CMOP Rx Turnaround Time report for the selected date range. The report is based on the time difference between the transmission date/time and the date/time the pharmacist at the CMOP marked the prescription as completed/released. Information includes the average, minimum, and maximum turnaround times, and the total number of Rx's released. This report must be queued to a printer.

Resubmit CMOP Rx

PSXRESUB

The resubmit option allows designated Outpatient Pharmacy users to send Rx's back to the CMOP that were returned as Not Dispensed, but have no apparent problems. Ordinarily, Rx's that have problems will be corrected through the edit option and re-suspended to be sent back to the CMOP. If the Rx has no apparent problem, and the user has communicated with the Host CMOP, then this option can be used to send the Rx back. The Rx can only be resubmitted once. After one resubmission, the Rx must be printed locally.

You may not resubmit if the following conditions exist.

1. The NOT DISPENSED fill is a Duplicate Fill.
2. The fill does not have a CMOP status of NOT DISPENSED.
3. The fill has already been resubmitted.
4. The NOT DISPENSED fill is not the last fill in the Rx.

Example:

```
Select OPTION NAME:  CMOP SITE Manager Menu

Select CMOP Site Manager Menu Option:  RESubmit CMOP Rx

CMOP Prescription Resubmission Utility


Enter the Rx # to resubmit: 15666

You have chosen Rx # 15666 to be resubmitted to the CMOP.
Do you want to continue? :  (Y/N): NO// YES

RX# 15666  SUSPENDED FOR CMOP TRANSMISSION  02-18-97.
Enter the Rx # to resubmit: <RET>

Select CMOP Site Manager Menu Option: <RET>
```

Transmission Menu

PSX XMIT

The user controls batch transmission operations with this submenu.

Comment Enter/Edit
Re-transmit CMOP Data
Setup Auto-transmission
View Transmission

Comment Enter/Edit

The user selects this option to make notes or comments regarding a specific transmission. The batch number is entered, the batch information is displayed, and the user is prompted for comments. Batch information includes the division, CMOP, batch number, sender, transmission and received date/time, beginning and ending order numbers, and the total orders and Rx's.

Re-transmit CMOP Data

PSXRTRAN

Users of this option must hold the PSX XMIT, PSXCMOPMGR, and the PSXRTRAN keys to re-transmit data previously transmitted to the CMOP. At the "Select CMOP TRANSMISSION" prompt the user enters the transmission number that needs to be re-transmitted. Previous transmission summary data is then displayed for the user's review. The user is then asked "Are you sure you want to Re-transmit this batch?"

Setup Auto-transmission

PSXAUTOX

This option allows holders of the security key, PSXAUTOX, to schedule or unschedule the CMOP transmission process to run automatically in the background on a scheduled basis.

The user enters data to schedule a recurring transmission. At the selected time, the job runs in the background. Data queued for CMOP transmission in the RX SUSPENSE file (#52.5) are transmitted. If no data are found, the job is rescheduled to run using the frequency information from the CMOP SYSTEM file (#550).

This option has been modified to include a system parameter, NUMBER OF DAYS TO TRANSMIT. This parameter indicates the number of days to transmit thru for an automatic data transmission. If this field is null or contains a zero the auto transmissions will select data through **today** as the default. If the field contains a number, n, from 1 to 10, transmission data will be selected for T+n days. The maximum NUMBER OF DAYS TO TRANSMIT is ten(10). Please note the CMOP system parameter, NUMBER OF DAYS TO TRANSMIT is different from the Outpatient site parameter, DAYS TO PULL FROM SUSPENSE. For example if the NUMBER OF DAYS TO TRANSMIT is two(2) and the DAYS TO PULL FROM SUSPENSE is seven(7) the transmission data will be selected for T+2 days. Once selected, for every patient in this date range, the software will then look ahead in RX SUSPENSE file (#52.5) for any Rx's for these patients for the next seven days (T+7days). If the patients have Rx's for this date range they will be added to the data transmission.

When an automatic transmission is initially scheduled, the host facility is notified of the scheduled time and frequency. Only one automatic transmission schedule at a time is allowed. If the transmission schedule is cancelled or scheduled again the host is again notified of the change for automatic processing.

When an automatic transmission schedule is cancelled any queued transmissions will run to completion. No further automatic transmissions will be scheduled.

☞ Each division with data to transmit creates a transmission and all usual mail messages are sent. If two divisions have data to transmit, two independent transmissions are created, etc.

..... *example follows on the next page*.....

Example: Setup Auto-transmission

```
Select Transmission Menu Option: Setup Auto-transmission

Enter the date to start automatic processing:   NOW// <RET> (FEB 26,
1997@12:35)
Number of days to transmit thru:  (0-10): 0// 10
Enter rescheduling frequency (hours) for transmission:  (1-96): 96


Begin Automatic Transmissions       :  FEB 26, 1997@12:35
Rescheduling Frequency              :  96 hours
Number of days to transmit through  :  10

Is this correct? NO// Y  YES


Select Transmission Menu Option: <RET>
```

View Transmission

With this option the user can display the following status information for a selected transmission. (Default number is the **last** transmission transmitted.)

Transmission #
Status
Pharmacy Division
Beginning Order Number
Ending Order Number
Total Patient Orders Transmitted
Comments *[This field will be displayed only if data is present.]*
Re-transmission Data *[This field will be displayed only if data is present.]*
Sender (User)
Transmission Date/Time
Received Date/Time
Total Rx's Transmitted

Section 2: Modified Outpatient Pharmacy Options

The Outpatient Pharmacy (OP) options in this section have been modified for use with the Consolidated Mail Outpatient Pharmacy (CMOP) Version 2.0 product. A description of the modifications for CMOP can be found in this section. The modifications to the OP options, for the most part, are not apparent to the user. These modified Outpatient Pharmacy options are only used at the remote medical centers.

For an example of the Outpatient Pharmacy functionality for these options, we recommend the users refer to the *Outpatient Pharmacy User Manual Version 6.0*.

Using the Outpatient Pharmacy Manager Menu

Outpatient Pharmacy Manager

The *Outpatient Pharmacy Manager* menu [PSO MANAGER] should be assigned to supervisors, package coordinators, and members of the Automated Data Processing/Information Resources Management (ADP/IRM) staff.

The Outpatient Pharmacy package provides a method for managing the medications given to veterans who have visited a clinic or who have received prescriptions upon discharge from the hospital. Prescription labels are automatically generated and refill request forms are printed. Medication histories are kept on-line to permit checks for potential interactions. Profiles can be generated to assist the clinician in managing the patient's medication regimen. Management reports aid the pharmacy in controlling inventory and costs.

A number of site parameters allow the individual Department of Veterans Affairs Medical Center (VAMC) to customize the package to meet local needs.

The following menu contains the options for the outpatient pharmacy manager.

Archiving ...
Autocancel Rx's on Admission
Bingo Board ...
Clozapine Pharmacy Manager ...
Copay Menu ...
**†Drug Enter/Edit*
Drug Interactions Menu ...
DUE Supervisor ...
Label/Profile Monitor Reprint
**Maintenance (Outpatient Pharmacy) ...*
Medication Profile
**Output Reports ...*
Pharmacy Intervention Menu ...
**Release Medication*
**Return Medication to Stock*
**Rx (Prescriptions) ...*
**Supervisor Functions ...*
**Suspense Functions ...*
**Update Patient Record*
Verification ...

*These options from the Outpatient Pharmacy V. 6.0 package have been modified or contain suboptions which have been modified for CMOP.

†This option has been modified for CMOP and can be found on the *Outpatient Pharmacy Manager* menu, the *Maintenance (Outpatient Pharmacy)* menu, and the *Supervisor Functions* menu of Outpatient Pharmacy V. 6.0.

Drug Enter/Edit

By using the *Drug Enter/Edit* option the pharmacy supervisor can add new drugs to the file, edit existing drugs, and inactivate drugs. This option can be found on the *Outpatient Pharmacy Manager* menu, the *Maintenance (Outpatient Pharmacy)* menu, and the *Supervisor Functions* menu of Outpatient Pharmacy V. 6.0.

CMOP Functionality for the Drug Enter/Edit Option

When an entry in the DRUG file (#50) has been marked for CMOP, the GENERIC NAME and DISPENSE UNIT fields **cannot** be edited. If editing of these fields is necessary, the entry must be unmarked for CMOP using the *CMOP Mark/Unmark (Single drug)* option. Once editing is completed, the drug must be re-marked for CMOP using the *CMOP Mark/Unmark (Single drug)* option.

The QUANTITY DISPENSE MESSAGE field does not display in the Outpatient Pharmacy *Drug Enter/Edit* option. It is recommended that the user enter or edit drugs through the *CMOP Drug/Item Management* menu.

Output Reports

The *Output Reports* menu generates a variety of management reports. These reports contain current medication profiles, utilization, cost, and workload information which help management maintain the highest level of patient care.

Action Profile (132 COLUMN PRINTOUT)
Alpha Drug List and Synonyms
AMIS Report
Commonly Dispensed Drugs
Cost Analysis Reports ...
Daily AMIS Report
Drug List By Synonym
Inactive Drug List
Management Reports Menu ...
Monthly Drug Cost
Narcotic Prescription List
Non-Formulary List
Poly Pharmacy Report
***** *Released and Unreleased Prescription Report*

*****This option from Outpatient Pharmacy V. 6.0 has been modified for CMOP.

Released and Unreleased Prescription Report

This option generates a report of released and unreleased or only unreleased prescriptions by date range. The default start date is T-30. If the package was installed less than 30 days ago, the default date will be the date the package was installed. The end date default will be the current date.

CMOP Functionality for Released and Unreleased Prescription Report

This option has been modified by adding a column to indicate if the prescription is a CMOP prescription and a column to indicate the CMOP status.

Release Medication

The pharmacist uses the *Release Medication* option at the time the prescription is filled and ready to be given to the patient. This option is batch processed by the pharmacist. This option decreases the inventory, updates certain fields in the global, and generates a copay action if it is applicable to the prescription. Communication is made with the Integrated Funds Control, Accounting, and Procurement (IFCAP) and Medical Care Cost Recovery (MCCR) software to generate copay charges. IFCAP and MCCR software handle patient billing, tracking of charges, and payments received.

If a prescription has any status other than Active or Refill the user will be given one of the following error messages: Prescription has a status of (status) and is not eligible for release, prescription was deleted, improper barcode format, or non-existent prescription.
If you release a prescription and receive a message that the partial prescription was released and there is a refill that has not been released, you must re-enter the prescription number.

☞ This is a mandatory function that **must** be used by the pharmacy.

*****Information*****
There exists a possibility that a patient can lose credit for a fill/refill. If a fill/refill is released and then returned to stock, the fill/refill **cannot** be re-released. The fill/refill is lost and is charged against the total number of fill/refills for this prescription.

CMOP Functionality for Release Medication

A CMOP Rx originally suspended for transmission to the CMOP may be released using this option, **if and only if,** it has been printed locally. CMOP Rx's marked Queued for Transmission, Loading for Transmission, or Transmission Completed may **not** be released using this option. Transmitted Rx's are automatically released by a background process once dispense information is returned from the host facility. Inventory is not decreased for CMOP dispensed prescriptions.

Returning Medication to Stock

The *Return to Stock* option functionality is used when a prescription has been released, but has been refused, not picked up, or not given to the patient for some reason. Comments can be entered to explain why the medication was returned to stock.

A prescription can only be returned to stock if the prescription status is Active, Cancelled, Expired, or Released. If the prescription is **not** released, there is no need to return it to stock. This function increases the inventory so that a more current inventory level is maintained by the Outpatient Pharmacy package.

This option also removes a copay charge if it is applicable to the prescription. It is highly recommended that you use this option.

*****Information*****

There exists a possibility that a patient can lose credit for a fill/refill. If a fill/refill is released and then returned to stock, the fill/refill cannot be re-released. The fill/refill is lost and is charged against the total number of fill/refills for this prescription.

CMOP Functionality for Return Medication to Stock

Prescriptions dispensed by the CMOP cannot be returned to stock at the medical center.

Rx (Prescriptions)

The *Rx (Prescriptions)* menu allows the pharmacist to manipulate information that pertains to prescriptions. When a screen profile is displayed for any of the following options the letter (R) will appear next to the last fill date for any prescriptions that have been returned to stock.

The options in this menu are listed below.

- * *Barcode Rx Menu ...*
    - * *Barcode Batch Prescription Entry*
    - *Check Quality of Barcode*
- * *Cancel Prescription*
- * *Edit Prescriptions*
- *Hold Features ...*
    - * *Hold Rx*
    - *List Prescriptions on Hold*
    - * *Unhold Rx*
- *List One Patient's* Arc*hived Rx's*
- * *New Prescription Entry*
- * *Partial Prescription*
- * *Refill Prescriptions*
- * *Reprint an Outpatient Label*
- * *View Prescriptions*

*These options or suboptions from Outpatient Pharmacy V. 6.0 have been modified for CMOP.

Barcode Rx Menu

This *Barcode Rx Menu* contains options that allow batch barcoding for refills and renewals of prescriptions and an option to check the quality of the barcode print.

* *Barcode Batch Prescription Entry*
  Check Quality of Barcode

*****This option has been modified for CMOP and can be found under the *Barcode Rx Menu* on the *Rx (Prescriptions)* menu of Outpatient Pharmacy V. 6.0.

Barcode Batch Prescription Entry

This option is used to enter refills or renewals using barcodes in a batch entry.

CMOP Functionality for Barcode Batch Prescription Entry

Prescriptions entered using this option will be screened and suspended for CMOP transmission if all the CMOP criteria are met.

Cancel Prescriptions

The *Cancel Prescription* option allows the pharmacist to either discontinue a prescription without deleting its records from the files, or reinstate a cancelled prescription. A cancelled prescription remains on the patient profile and an entry in the activity log for the cancellation is made. The cancelled prescription will carry a status of Cancelled or C and cannot be refilled or reprinted.

The label can be entered or wanded if you are cancelling or reinstating the prescription by the prescription number or the patient name.

CMOP Functionality for Cancel Prescription

CMOP functionality for *Cancel Prescription* is the same as Outpatient Pharmacy V. 6.0. for all Rx's. Reinstate screens **all** Rx's for the CMOP criteria. If the Rx meets the criteria it is suspended for CMOP transmission and a message is displayed indicating the suspense date. If the fill date of a CMOP Rx is in the past, the prescription is reinstated, but not suspended for transmission. If the fill date is today or in the future, the CMOP Rx is suspended for CMOP processing for that date.

Edit Prescriptions

The pharmacy manager and pharmacist use the *Edit Prescriptions* option to edit information for a specific prescription. This option prints a label only if the prescription being edited has an Active status.
Copay will update the current copayment charge for a prescription, if and only if, an edit of the DAYS SUPPLY field changes the number of units charged. The updating procedure takes place in the background with no additional input required by the user. For example, a copayment charge unit is 30 days and the charge is $2.00. If a prescription was filled for 31 days, the charge would be $4.00. If the prescription was filled for 60 days, the charge would still be $4.00. Editing the PATIENT STATUS field does **not** update or change copayment status or charges for the prescription.

CMOP Functionality for Edit Prescriptions

Currently CMOP prescriptions may not be edited during the transmission process. The following criteria are required for editing of CMOP prescriptions.

DRUG NAME - CMOP to NON-CMOP and vice versa.

- Edit - If the Rx has **ever** been transmitted (loading/transmitted) to the CMOP - No Edit.
- If the Rx has **never** been released - Allow Edit.

MAIL/WINDOW - Currently able to be edited at each fill level.

- If the original is in suspense, “Queued for Transmission” for CMOP, and is edited from MAIL to WINDOW, the Rx is not transmitted. It is handled as any Outpatient Pharmacy Rx.

- No editing is allowed if the Rx is loading or transmitting to the CMOP.

- Editing a CMOP window Rx (not on suspense) to mail does **not** send the Rx to the CMOP.

- A window CMOP Rx on suspense edited to mail is “Queued for Transmission” to the CMOP.

- If editing a refill which is the most current fill then the same rules apply. Edits of past fills do not affect CMOP.

TRADENAME - Currently able to be edited at each fill level.

- A CMOP Rx entered with a tradename will not be sent to CMOP:

  If deleting a tradename and the last fill is in suspense, change the entry to "Queued for Transmission" to the CMOP.

  View Prescriptions will look odd, but the CMOP group stated this was acceptable.

CRITERIA FOR EDITING OTHER FIELDS -

- If Rx released, **no editing** of
  ISSUE DATE
  FILL DATE
- If fill being edited has been transmitted, **no editing** of
  QUANTITY
  DAYS SUPPLY
  # OF REFILLS
- The following fields may be edited:
  PATIENT STATUS
  PROVIDER
  CLINIC
  SIG
  COPIES
  METHOD OF PICKUP
  REMARKS
  DIVISION
  PHARMACIST
  LOT # (LOT # field in OP V.6.0)

☞ If a medication error is discovered on a CMOP transmitted prescription, the user should contact the CMOP and request the prescription be cancelled on the vendor system.

Hold Features

The *Hold Features* menu contains the options listed below for the hold features. When using this menu the user can place a prescription on hold, generate a list of prescriptions on hold, or remove a prescription from hold.

* *Hold Rx*
  List Prescriptions on Hold
* *Unhold Rx*

*****These options have been modified for CMOP and can be found on the *Rx (Prescriptions)* menu of Outpatient Pharmacy V. 6.0.

Hold Rx

This function allows the pharmacist to place a prescription on hold.

CMOP Functionality for Hold Rx

CMOP Rx's cannot be placed on hold during CMOP transmission.

Unhold Rx

This suboption allows the pharmacist to move a prescription from a Hold status and place it in an Active status.

CMOP Functionality for Unhold Rx

The *Unhold Rx* option screens the Rx for CMOP criteria. If the criteria are met, the Rx is suspended for transmission to the CMOP and a message is displayed indicating the suspense date. The screening for CMOP is performed after the "MAIL/WINDOW" prompt and response.

New Prescription Entry

The *New Prescription Entry* option allows the user to enter new prescriptions or renew existing prescriptions.

CMOP Functionality for New Prescription Entry

On prescription order entry, CMOP drug/items marked as "MAIL" are automatically placed on suspense and flagged for transmission to the CMOP host facility. CMOP drug/items marked as "WINDOW" are **not** automatically suspended or flagged for transmission, but are processed in the usual manner for windows. All screens, system/site parameter checks, etc., are performed in the background, therefore, transparent to the user.

If the fill date entered is today, on completion of Rx order entry for a patient, the normal prompt, "LABEL: QUEUE/HOLD/SUSPEND or ^ to bypass", is presented.

After the user's response, a message is displayed listing CMOP Rx's which have been suspended for CMOP transmission.

If the fill date is in the future, the queue/hold/suspend/bypass prompt is not displayed. Only the CMOP transmission is displayed.

Example: New Prescription Entry

```
Select Outpatient Pharmacy Manager Option: RX (Prescriptions)

Select Rx (Prescriptions) Option: New Prescription Entry
Select PATIENT NAME: RIPROCK,DASH          03-03-44     234189922
MAS ELIGIBILITY: OTHER FEDERAL AGENCY

WEIGHT(Kg):                              HEIGHT(cm):
DISABILITIES:
     342 OCEAN BLVD
     LOS ANGELES  CALIFORNIA  56282
DATE OF BIRTH: MAR 3,1944// <RET>
STREET ADDRESS [LINE 1]: 342 OCEAN BLVD// <RET>
STREET ADDRESS [LINE 2]: <RET>
STREET ADDRESS [LINE 3]: <RET>
CITY: LOS ANGELES// <RET>
STATE: CALIFORNIA// <RET>
ZIP+4: 56282// <RET>
PHONE NUMBER [RESIDENCE]: 5218339021// <RET>
CNH CURRENT: <RET>
FEE HOSPITAL I.D.: <RET>
TEMPORARY ADDRESS ACTIVE?: NO// <RET>
REMARKS: <RET>
```

```
 #    RX #    DRUG                          STAT QTY ISS-DT LST-FL REF-RM DAYS

 1    15151   AMPICILLIN 250MG/5ML SUSP      S    30 10-26  10-26   11     30
          * indicates prescription is not renewable
          (R) indicates last fill returned to stock
Press RETURN to continue: <RET>


ALLERGIES:

ADVERSE REACTIONS:


RENEW 1 - 1 > <RET>
NEW RX FOR RIPROCK,DASH ?:  (Y/N/P/R/A): Y// <RET> ES
PATIENT STATUS: OTHER FEDERAL// <RET>
DRUG: ISONIAZID
     1   ISONIAZID 100MG TAB            AM500
     2   ISONIAZID 100MG/ML INJ            AM500     N/F
     3   ISONIAZID 300MG TAB            AM500
CHOOSE 1-3: 1
Checking for Drug/Drug Interactions !

SIG: BID (TWICE A DAY)
QTY ( TAB ) : 60
COPIES: 1// <RET> 1
DAYS SUPPLY:  (1-90): 30// <RET>
# OF REFILLS:  (0-11): 11// <RET>
PROVIDER: FINE,LARRY
CLINIC: 1 WEST
MAIL/WINDOW: WINDOW// MAIL
REMARKS: <RET>
ISSUE DATE: TODAY// <RET>  (JAN 03, 1997)
FILL DATE:  (1/3/97 - 99/99/99): TODAY// <RET>  (JAN 03, 1997)

Rx # 15266            01/03/97
RIPROCK,DASH                 #60
 TWICE A DAY

ISONIAZID 100MG TAB
FINE,LARRY              DURBIN,DIANA
# of Refills: 11

Is this correct? YES// <RET>

NEW RX FOR RIPROCK,DASH ?:  (Y/N/P/R/A): Y// NO


LABEL: QUEUE/HOLD/SUSPEND or '^' to bypass Q// <RET> UEUE

RX# 15266  SUSPENDED FOR CMOP TRANSMISSION  01-03-97.



Select PATIENT NAME: <RET>
```

Renew

On renew, the data from the original Rx is passed to the renewed Rx. Once renewed, the "Edit renewed Rx? " prompt is displayed. Mail/window must be reviewed for each Rx renewed. The " MAIL/WINDOW" prompt appears after the first "FILL DATE" prompt.

Example: Renew a Prescription

```
Select Outpatient Pharmacy Manager Option: RX (Prescriptions)

Select Rx (Prescriptions) Option: New Prescription Entry
Select PATIENT NAME: UPDIKE,JOHN         07-17-65     123329872
ELIGIBILITY: AID & ATTENDANCE

WEIGHT(Kg):                              HEIGHT(cm):
DISABILITIES:
     11 ANY STREET
     BIRMINGHAM  ALABAMA  72936
DATE OF BIRTH: JUL 17,1985// <RET>
STREET ADDRESS [LINE 1]: 11// <RET>
STREET ADDRESS [LINE 2]: <RET>
STREET ADDRESS [LINE 3]: <RET>
CITY: BIRMINGHAM// <RET>
STATE: ALABAMA// <RET>
ZIP+4: 72936// <RET>
PHONE NUMBER [RESIDENCE]: 1237644// <RET>
CNH CURRENT: <RET>
FEE HOSPITAL I.D.: <RET>
TEMPORARY ADDRESS ACTIVE?: NO// <RET>
REMARKS: <RET>


 #    RX #    DRUG                          STAT QTY ISS-DT LST-FL REF-RM DAYS

 1    10882G  DIAZOXIDE 50MG CAP             A    60 07-11  10-19    2     15
 2    11453D  HALOPERIDOL 20MG TAB           A*  100 07-11  10-19    3      5
 3    15267   NAPROXEN 375MG TAB             S    60 01-03  01-03   11     30
 4    10883F  QUINIDINE SULFATE 200MG TAB    A   120 07-11  10-19    1     30
          * indicates prescription is not renewable
          (R) indicates last fill returned to stock
Press RETURN to continue: <RET>

ALLERGIES:

ADVERSE REACTIONS:


RENEW 1 - 4 > 1

FILL DATE:  (1/3/97 - 99/99/99): TODAY//  <RET> (JAN 03, 1997)
MAIL/WINDOW: WINDOW// MAIL

Now Renewing Rx # 10882G   Drug: DIAZOXIDE 50MG CAP

Checking for Drug/Drug Interactions !


10882H       DIAZOXIDE 50MG CAP               QTY: 60  PHYS: HOWARD,MOE
# OF REFILLS: 4  ISSUED: 01-03-97  SIG: bidap  FILLED: 01-03-97
Edit renewed Rx ? Y// <RET> ES
ISSUE DATE: TODAY// <RET> (JAN 03, 1997)
```

```
FILL DATE:  (1/3/97 - 99/99/99): JAN 3,1997// <RET>  (JAN 03, 1997)
PROVIDER: HOWARD,MOE// FINE,LARRY
# OF REFILLS:  (0-11): 11// <RET>
REMARKS: RENEWED FROM RX # 10882G  Replace <RET>
MAIL/WINDOW: WINDOW// MAIL
CLINIC: 1 NORTH// <RET> 1 NORTH

Rx # 10882H            01/03/97
UPDIKE,JOHN                   #60
 bidap

DIAZOXIDE 50MG CAP
FINE,LARRY               DURBIN,DIANA
# of Refills: 11

Is this correct? YES//
NEW RX FOR UPDIKE,JOHN ?:  (Y/N/P/R/A): Y// NO


LABEL: QUEUE/HOLD/SUSPEND or '^' to bypass Q// <RET> UEUE

RX# 10882H  SUSPENDED FOR CMOP TRANSMISSION  01-03-97.
Select PATIENT NAME: <RET>
```

Partial Prescription

By using this option the pharmacist can partially refill a prescription without eliminating one of the refills allowed by the original prescription.

CMOP Functionality for Partial Prescription

A partial fill entered for a CMOP prescription **cannot** be suspended. If a prescription is suspended for transmission to CMOP, the user can pull the prescription or enter a partial and print the label.

Refill Prescriptions

This option allows the pharmacy manager or pharmacist to process refills for existing prescriptions.

Copayment only affects this option in the background. You do not see a prompt relating to copayment for the *Refill Prescriptions* option. At the time of refilling a prescription, the computer system already knows the copayment eligibility of the veteran. When the prescription was first ordered, veteran eligibility for copayment was determined. If the veteran was charged a copayment for the original prescription, he or she will be charged for the refill.

☞ Refill a prescription only after the original label has been printed. If you do not wait until after the original label has been printed you will produce a label for the last fill only.

CMOP Functionality for Refill Prescriptions

Refilled prescriptions are handled using the same functionality as *New Prescription Entry*. (See the *Rx (Prescriptions)* menu.)

View Prescriptions

With this option the user can view on screen the most complete information available for a specific prescription. The activity log lists the date, reason, prescription reference (Rx Ref), the initiator of the activity, and comments. The label log lists the date, prescription reference (Rx Ref), the person who printed it, and comments. Prescriptions in a Deleted status cannot be viewed.

CMOP Functionality for View Prescriptions

CMOP information related to this Rx has been added to the information displayed. The CMOP event log lists the date, prescription reference (RX REF), CMOP status, the CMOP, and comments.

Example: View Prescriptions

```
Select Outpatient Pharmacy Manager Option: RX (Prescriptions)

Select Rx (Prescriptions) Option: View Prescriptions

VIEW PRESCRIPTION: 11601D          RANITIDINE HCL 150MG TAB

RX: 11601D          PATIENT: ZAPATA,VIVA (567765567)
STATUS: ACTIVE   CO-PAY STATUS

      DRUG: RANITIDINE HCL 150MG TAB
       QTY: 100     30 DAY SUPPLY
       SIG: AS DIRECTED
    LATEST: 12/09/96                # OF REFILLS: 5  REMAINING: 5
    ISSUED: 12/09/96                    PROVIDER: WHITE,HARRY
    LOGGED: 12/09/96                      CLINIC: 2 WEST
   EXPIRES: 12/10/97                    DIVISION: BIRMINGHAM (521)
       CAP: SAFETY                      ROUTING: MAIL
     CLERK: WHITE,HARRY

FILLED: 12/09/96    PHARMACIST: WHITE,HARRY      LOT #:
 DISPENSED: 12/09/96           RELEASED: 12/09/96
   REMARKS: RENEWED FROM RX # 11601C


Press RETURN to continue or "^" to exit: <RET>


ACTIVITY LOG:
#  DATE       REASON     RX REF         INITIATOR OF ACTIVITY
==============================================================================

1  12/09/96   SUSPENSE   ORIGINAL       WHITE,HARRY
COMMENTS:  Suspended for CMOP 12-09-96.
2  12/09/96   PROCESSED  ORIGINAL       WHITE,HARRY
COMMENTS: Transmitted to CMOP
3  12/09/96   EDIT       ORIGINAL       WHITE,HARRY
COMMENTS: QTY (100 MG),
```

```
4  12/09/96   SUSPENSE   ORIGINAL       WHITE,HARRY
COMMENTS:  Suspended for CMOP 12-09-96.
5  12/09/96   PROCESSED  ORIGINAL       BARNARD, CHRISTIAN
COMMENTS: Transmitted to CMOP
Press RETURN to continue or "^" to exit: <RET>


LABEL LOG:
#  DATE       RX REF                    PRINTED BY
==============================================================================

Press RETURN to continue or "^" to exit: <RET>
CMOP EVENT LOG:
DATE           RX REF TRN-ORDER #   STAT  COMMENTS
==============================================================================

12/09/96@0946  ORIG   418-8         NDISP QUANTITY OR DISP. UNIT PROBLEM

12/09/96@1043  ORIG   419-9         DISP  NDC: 0045-0451-70









Press RETURN to continue or "^" to exit: <RET>
CMOP LOT#/EXPIRATION DATE LOG:
RX REF              LOT #               EXPIRATION DATE
==============================================================================

ORIG                MAM897                 07/07/97









Press RETURN to continue or "^" to exit: <RET>

VIEW PRESCRIPTION: <RET>


Select Rx (Prescriptions) Option: <RET>
```

Supervisor Functions

The *Supervisor Functions* menu contains seventeen options that the package coordinator uses for implementation as well as maintenance of the various files for the basic running of the Outpatient Pharmacy software.

Add New Providers
Daily Cost Compilation
* *Delete a Prescription*
*† *Drug Enter/Edit*
Drug/Drug Interaction Functions...
Edit Provider
Initialize Cost Statistics
Inter-Divisional Processing
Inventory Menu
Lookup Clerk by Code
Mark/Unmark Lab Monitor Drugs
Medication Instruction File Add/Edit
Monthly Cost Compilation
Pharmacist Enter/Edit
Recompile AMIS Data
Site Parameter Enter/Edit
View Provider

* These options from the Outpatient Pharmacy V. 6.0 *Supervisor Functions* menu have been modified for CMOP.

† An example of this option can be found under the *CMOP Drug/Item Management* menu and the *Outpatient Pharmacy Manager* menu in this manual. This option has been modified for CMOP and can be found on the *Outpatient Pharmacy Manager* menu, the *Maintenance (Outpatient Pharmacy)* menu, and the *Supervisor Functions* menu of Outpatient Pharmacy V. 6.0.

Delete a Prescription

The pharmacy manager uses this option to change a prescription status to Deleted. Deleted prescriptions do not appear on any profiles.

☞ In Outpatient Pharmacy V. 6.0 a released prescription can only be deleted **after** it has been returned to stock.

CMOP Functionality for Delete a Prescription

A CMOP prescription cannot be deleted if the status is Transmitted or Dispensed.

Suspense Functions

The *Suspense Functions* option produces a menu that allows the user to print or delete various entries in the RX SUSPENSE file (#52.5) and print out statistics about entries in the RX SUSPENSE file (#52.5). This file contains prescription labels that have been suspended for printing at a later time. Each prescription label has an associated suspense date which is the fill or refill date.

Copayment only affects this option in the "background". If a prescription has a copayment charge and is placed in the RX SUSPENSE file (#52.5), the copayment document is printed and a charge is generated when the label prints.

**Change Suspense Date*
Count of Suspended Rx's by Day
**Delete From Suspense File*
Log of Suspended Rx's by Day (this Division)
**Print From Suspense File*
**Pull Early From Suspense*
**Reset and Print Again*

***** These options from Outpatient Pharmacy V. 6.0 have been modified for CMOP.

Change Suspense Date

This option allows the pharmacist to change the suspense date for a specific prescription. The new suspense date becomes the fill/refill date automatically. With this option the pharmacist is also able to delete a specific prescription from suspense.

CMOP Functionality for Change Suspense Date

For CMOP prescriptions, suspense dates are changed, the Rx is "unmarked" for transmission for the original date, and then "marked" for transmission for the new suspense date. The user is **not notified** that the suspense date change was for a CMOP Rx.

Delete From Suspense File

This option allows the manager to delete from the RX SUSPENSE file (#52.5) the records of all the prescriptions which have already been printed prior to the user specified number of days. This specified number of days must be set from 7 to 90 days at the "DAYS PRINTED RX STAYS IN 52.5" prompt in the *Site Parameter Enter/Edit* option. The task is set to run every 7 days at the user specified time. The user may also requeue or dequeue this task using this option. Once a prescription is deleted from suspense, it cannot be reset for reprinting.

CMOP Functionality for Delete From Suspense File

CMOP prescriptions will not be deleted from the RX SUSPENSE file (#52.5) during the data transmission process.

Print From Suspense File

This option allows the pharmacy manager or pharmacist to print labels for the RX SUSPENSE file (#52.5). Labels are printed through the designated date plus the site parameter specified number of days to be pulled from suspense. There must be at least one prescription to be printed for that patient on or before the print date.

A short profile for every patient for whom you are printing a label for a new prescription is also printed if your site parameters are set for this profile.

CMOP Functionality for Print From Suspense File

A date range is selected and "scanned ahead" for a pre-selected number of days to collect all entries on patients for this transmission. "Days to print from suspense" is currently a site parameter in Outpatient Pharmacy Version 6.0.

Selecting the *Print From Suspense File* option displays the following for users who hold the CMOP security keys, PSXCMOPMGR and PSX XMIT:

```
   1- Initiate CMOP Transmission
   2- Print CMOP from Suspense
   3- Standard Print from Suspense

Select (1,2,3):  1
```

1-Initiate CMOP Transmission will gather CMOP data "Queued for Transmission" for the selected date range and transmit to the CMOP. The sender will receive a "Transmission Confirmation"

message via MailMan when the data transmission is completed. Prior to transmitting, the data will be screened for exceptions (window, tradename, non-CMOP, etc.). (See CMOP Transmission Process for additional information.)

```
Are you sure you wish to continue?  NO//
```

Yes - Prompts user for date range and transmits to the CMOP.
No - Exits.

```
Select (1,2,3):  2
```

2-Print CMOP from Suspense gathers CMOP data for the selected date range and prints labels for all unprinted data marked "Queued for Transmission" in the CMOP INDICATOR field. **No data is transmitted** to the CMOP. Drug/items for all labels printed should be filled locally. The entries are automatically sorted by Patient name and the "SORT BY PATIENT NAME OR ID#: (P/I)" prompt is not displayed.

```
Are you sure you wish to continue?  NO//
```

Yes - Labels print for CMOP data.
No - Exits.

```
Select (1,2,3):  3
```

3-Standard Print from Suspense prints all labels for Rx's **not** "Queued for Transmission" for the selected date range. All usual Outpatient Pharmacy V. 6.0 prompts are displayed.

☞ Combinations of the selections presented above are allowed with the exception of 1,2 or 2,1.

Pull Early From Suspense

This option is used by the pharmacy manager, pharmacist, or the technician to pull a specific prescription or all prescriptions for a patient from the RX SUSPENSE file (#52.5) early.

CMOP Functionality for Pull Early From Suspense

A CMOP prescription can be pulled from suspense only if the CMOP INDICATOR is set to "Queued for Transmission." The prescription is marked as printed and the CMOP INDICATOR reset to "Printed Locally." The Rx is **not** transmitted to the CMOP and the user is **not notified** that a CMOP prescription was printed.

Reset and Print Again

This reset/reprint option allows the manager to reset the RX SUSPENSE file (#52.5) so that labels that have already been printed once can be printed again. This routine is useful if certain portions of the previously printed labels are unusable.

☞ This option **only** resets for the date range specified by the user. The DAYS TO PULL FROM SUSPENSE site parameter is **not** taken into consideration during reset.

Labels are printed through the date selected by the user.

A short profile for every patient for whom you are printing a label for a new prescription may also be printed if your site parameters are set for this profile.

CMOP Functionality for Reset and Print Again

Selecting the *Reset and Print Again* option displays the following only to users who hold the CMOP security keys, PSXCMOPMGR and PSX XMIT:

```
   1-Reset CMOP and Transmit
   2-Reset CMOP and Print Again
   3-Standard Reset and Print Again

Select (1,2,3): 1   Reset CMOP and Transmit
```

1-Reset CMOP and Transmit resets CMOP entries which have "printed but not transmitted" for the selected date range. The user is prompted for a date to transmit through and the transmission is queued.

```
Are you sure you want to continue?  NO//
```

Yes - Resets CMOP data and transmits to the CMOP.
No - Exits.

```
Select (1,2,3): 2   Reset CMOP and Print Again
```

2-Reset CMOP and Print Again resets and prints labels for CMOP entries which have been printed by the *Print CMOP from Suspense* option and have not transmitted. There is **no data transmitted** to the CMOP. The Rx's for the labels printed must be filled locally.

```
Are you sure you want to continue?  NO//
```

Yes-Resets CMOP data and prints labels.
No-Exits.

```
Select (1,2,3): 3
```

3-Standard Reset and Print Again resets and prints all outpatient labels not "Queued for Transmission" and usual outpatient prompts are displayed.

☞ No provision is made to allow print of labels for CMOP data which has already "transmitted."

Update Patient Record

The *Update Patient Record* option allows the user to add a new patient to the system or to update the current patient information in the computer.

CMOP Functionality for Update Patient Record

New functionality to this option has been added to decide at a patient level whether a patient's Rx's will be transmitted to the CMOP.

Example: Update Patient Record

```
Select Outpatient Pharmacy Manager Option: UPDATE Patient Record
Select Patient:    BONEBRAKE,D.J.         02-09-37     243489042


BONEBRAKE,D.J.                            ID#:   243-48-9042
201 EVERY WHERE DRIVE                     DOB:   FEB 9,1937
BONNY HIGHLANDS PKWY
SLIP 44
WELLINGTON                                PHONE:
ALABAMA  35555                            ELIG:

WEIGHT(Kg):                                HEIGHT(cm):
DISABILITIES:

ALLERGIES:

ADVERSE REACTIONS:

SOCIAL SECURITY NUMBER: 243489042// ^

     >>PHARMACY PATIENT DATA<<

CAP: SAFETY// <RET>
MAIL: DO NOT MAIL// ??
     This field is used to:
     A) Determine whether this patient's Rx's are to be sent to the CMOP, or
     retained for local distribution. If 2-4 are selected, none of this
     patient's Rx's will be transmitted to the CMOP.
     B) Select what the mail priority is.  The CMOP choices are limited to (0)
     REGULAR and (1) CERTIFIED. Local mail may be designated (3) LOCAL -
     REGULAR or (4) LOCAL - CERTIFIED. The 'DO NOT MAIL' code (2) may be used
     to ensure that the patient's Rx's are not mailed.
```

```
     Choose from:
       0        REGULAR MAIL
       1        CERTIFIED MAIL
       2        DO NOT MAIL
       3        LOCAL - REGULAR MAIL
       4        LOCAL - CERTIFIED MAIL
MAIL: DO NOT MAIL// <RET>
DIALYSIS PATIENT: <RET>
MAIL STATUS EXPIRATION DATE: ??
     Examples of Valid Dates:
       JAN 20 1957 or 20 JAN 57 or 1/20/57 or 012057
       T   (for TODAY),  T+1 (for TOMORROW),  T+2,  T+7,  etc.
       T-1 (for YESTERDAY),  T-3W (for 3 WEEKS AGO), etc.
     If the year is omitted, the computer uses the CURRENT YEAR.
     This field places a time limit on the 'Do Not Mail', 'Local - Regular
     Mail' and 'Local - Certified Mail' conditions in the 'MAIL' field.
     If a date is placed in this field and the software detects that the date
     the Rx is processed is greater than the date in the field (past the
     expired date) a default value of 'Regular Mail' will be assumed for the
     'MAIL' field.
     NOTE: The actual value of the 'MAIL' field will not be changed by the
     software, but can only be modified by a user editing the 'MAIL' field.
MAIL STATUS EXPIRATION DATE: T  (FEB 24, 1997)
NARRATIVE: <RET>
PATIENT STATUS: SC// ^
```

CHAPTER 2: HOST CMOP FACILITY

Section 1: CMOP System Management Menu

PSXCMOPMGR

Management personnel use this menu to control operations of the Consolidated Mail Outpatient Pharmacy.

Transmission Review
Interface Menu ...
Operations Management ...
Display System Status
Reports Menu ...
Rx Inquiry
Manual/Barcode Release Prescription
Unhold Transmission
View Transmission
Enter/Edit Transmission Comments
CMOP Drug/Item Management ...
Facility Cost Management ...
Archive CMOP Data ...

Getting Out of an Option

To stop what you are doing, enter an up-arrow (^). You can use the up-arrow at any prompt to terminate the line of questioning and return to the previous level in the routine. Continue entering up-arrows to completely exit from the system.

Transmission Review

PSXCMOPMGR

With this option the user can display the status of current transmissions. The user can print a summary of all statuses or a summary for each status. The following is an explanation of the statuses:

S = Summary
Q = Queued
P = Processed
C = Closed
H = Hold
L = Labels Printed

Example: Transmission Review

```
Select CMOP System Management Menu Option: Transmission Review

     Select one of the following:

          S         Summary
          Q         Queued
          P         Processed
          C         Closed
          H         Hold
          L         Labels Printed

Select: Q// Summary

     Select one of the following:

          A         Ascending Order
          D         Descending Order

Enter response: Ascending// Ascending Order


Enter Begin Date for Report:  TODAY// T-30  (FEB 22, 1997)

Enter End Date for Report:  TODAY// T  (MAR 24, 1997)
DEVICE: [Select Print Device]
```

..... *report follows on the next page* .....

```
                          TRANSMISSIONS SUMMARY
                           2/22/97 THRU 3/24/97

RECEIVED            FROM                   BATCH      TOTAL    TOTAL   STATUS
DATE/TIME                                  NUMBER     ORDERS    RXS
-------------------------------------------------------------------------------

FEB 25,1997@09:32   BIRMINGHAM             521-750       1        3  Closed
FEB 25,1997@15:53   BIRMINGHAM             521-751       1        2  Hold
FEB 25,1997@15:55   BIRMINGHAM             521-752       1        2  Hold
MAR 6,1997@13:41    BIRMINGHAM             521-753       3       10  Processed
MAR 7,1997@09:34    BIRMINGHAM             521-754       1        1  Queued
MAR 18,1997@09:55   BIRMINGHAM             521-755       1        1  Closed
MAR 18,1997@14:20   BIRMINGHAM             521-756       1        1  Closed
MAR 20,1997@14:25   BIRMINGHAM             521-757       2        5  Closed
MAR 20,1997@15:11   BIRMINGHAM             521-758       1        2  Hold
MAR 20,1997@15:13   BIRMINGHAM             521-759       1        2  Hold
MAR 20,1997@15:20   BIRMINGHAM             521-760       1        2  Closed
MAR 24,1997@13:54   BIRMINGHAM             521-761       3        6  Queued
MAR 24,1997@14:01   BIRMINGHAM             521-762       3        6  Closed
MAR 24,1997@14:03   BIRMINGHAM             521-763       1        2  Closed
Press RETURN to continue: <RET>


Select CMOP System Management Menu Option: <RET>
```

Interface Menu

This menu contains options which control the operations of the CMOP interface. When the user enters the *Interface Menu* the one of the following current statuses of the interface communication link is displayed.

A All Transmissions Queued. Sends all transmissions in the queue to the vendor. The interface will NOT stop after all transmissions have been sent to the vendor system.

S Single Transmission. Only sends the transmission selected to the vendor. The interface will stop when the transmission download has completed.

P Prioritize Queue. Allows the user to establish a priority for sending transmissions to the vendor. The interface will NOT stop after all transmissions have been sent to the vendor.

Q Query Request. Allows the user to initiate a query request. Once the query request is complete the interface stops.

Monitor CMOP Interface
Start CMOP Interface
Stop CMOP Interface

Monitor CMOP Interface

PSXCMOPMGR

This option is used to display the CMOP Interface Log. The log contains the date and time and message. (See Appendix A for a complete listing of the Interface Log messages.)

Start CMOP Interface

PSXCMOPMGR

With this option the user activates the communication link with the vendor system and enables the transfer of data from the **V***IST***A** CMOP system to the vendor for dispensing. When the CMOP Manager selects the *Start CMOP Interface* option the following four selections are displayed:

All Transmissions Queued

This selection will start the interface and download all transmissions in FIFO order. Once the queue is empty a query request will be initiated. The interface remains running and future transmissions will be downloaded as soon as they are queued. If no transmissions are in the queue, query requests will be initiated as per the "Query Request Interval" site parameter.

Single Transmission

The CMOP Manager has the option to download a single transmission to the vendor if the queue priority parameter is set to prioritize. Only one transmission number can be entered. This transmission will download to the vendor, all other transmissions will remain in the queue. Once the transmission has been downloaded to the vendor, the interface will be stopped.

Prioritize Queue

If Prioritize Queue is selected a report of the current queue will be displayed. This report will list all transmissions waiting to be downloaded to the vendor and will be in first-in first-out (FIFO) order. Each transmission will be assigned a sequence number in the report. At the end of the report, the prompt, "Prioritize Queue NO//" will be displayed. If the default of NO is selected the transmissions will be downloaded in FIFO order. If YES is selected, the prompt "Enter Queue Order:" will be displayed. The user will enter the sequence to download the transmissions. The transmissions will be resequenced in this order. If the report displays 10 transmissions, and the user wants to put sequence number 6 at the head of the queue and let the other transmissions download in FIFO order, they only need to enter 6 at the Enter Queue Order prompt. If the user doesn't enter a sequence, the default will be to download the transmissions in FIFO order. Only those transmissions that are in the queue when this report is printed will be affected by the prioritization process. The interface will continue to run downloading transmissions as they are queued or initiating queries.

Query Request

This selection allows the CMOP Manager to initiate a query without downloading transmissions. Once the query is completed the interface will be stopped. If the Query Request Interval has not expired and this option is selected, a message similar to the following will be displayed.

"Another query can not be initiated for 52 minutes."

Example: Start the CMOP Interface

```
Select CMOP System Management Menu Option: Interface Menu

Select Interface Menu Option:  START CMOP Interface

     Select one of the following:

          A         All Transmissions Queued
          S         Single Transmission
          P         Prioritize Queue
          Q         Query Request

Enter response: A// Prioritize Queue

                          CMOP TRANSMISSION QUEUE
                              Feb 18, 1997@14:59

  SEQ #  TRANSMISSION    DIVISION                RECEIVED DATE  ORDERS/RXS
-------------------------------------------------------------------------------
     1   521-590         Birmingham              Feb 18@04:30:35   120/165
     2   589-131         Kansas City             Feb 18@05:10:45   54/67
     3   521-591         Birmingham              Feb 18@06:07:03   354/411
     4   589-130         Kansas City             Feb 18@05:00:00   360/548

PRIORITIZE QUEUE: NO// YES

Enter Priority:  1,4,2,3  [If the user wants the queue to go in the order, 4,1,2,3, entering 4 at
this prompt will suffice.]

                          CMOP TRANSMISSION QUEUE
                              Feb 18, 1997@14:59
                                  * Priority
  SEQ #  TRANSMISSION    DIVISION                RECEIVED DATE  ORDERS/RXS
-------------------------------------------------------------------------------
     1   521-590         Birmingham              Feb 18@04:30:35   120/165
*    4   589-131         Kansas City             Feb 18@05:10:45   54/67
     2   521-591         Birmingham              Feb 18@06:07:03   354/411
     3   589-130         Kansas City             Feb 18@05:00:00   360/548

Accept Sequence? YES// <RET>
Press RETURN to start interface, "^" to quit:
```

[The following screen will be displayed anytime one of the options have been selected. The screen will refresh every 30 seconds unless the user enters an ^.]

```
          *** Interface STARTED ***


                              CMOP SYSTEM STATUS

 Interface             : RUNNING

 Transmissions Queued  : 1................Orders/Rx's: 1/1

 Last Order Processed  : 521-748-26........PHARMACY...............Feb 19@09:52

 Last Query Completed  : #551.............1 Rx's................Feb 19@09:52

        *****Release Data Acknowledgements > 24 hours OUTSTANDING*****

 Background Process                        Last Ran               Scheduled
For

 Release Data Filed in Master Database.....Feb 26@14:47...........Feb 26@15:02
 Database Purge............................Feb 25@16:13...........Feb 26@16:13
 Release File Purge........................Feb 25@23:01...........Feb 26@23:01
 Release Acknowledgement File Purge........Feb 25@23:30...........Feb 26@23:30
Enter "^" to quit^


          *** Interface STARTED ***

Select Interface Menu Option: <RET>
```

Example 2: Query Request

```
Select Interface Menu Option: START CMOP Interface

     Select one of the following:

          A         All Transmissions Queued
          S         Single Transmission
          P         Prioritize Queue
          Q         Query Request

Enter response: A// Query Request

Another query can not be initiated for 52 minutes.

Select Interface Menu Option: <RET>
```

Stop CMOP Interface

PSXCMOPMGR

This option stops the CMOP interface data transmission.

Operations Management

This menu manages the day to day operations of the background procedures necessary for transmission data management.

Start/Stop Background Filer
Nightly Purge of CMOP Database
Nightly Purge of Release Data
Purge of Release Messages
Resend Release Data to VAMCs
System Parameter Enter/Edit

Start/Stop Background Filer

This option enables the user to schedule or unschedule the background filer that files the released data in the CMOP MASTER DATABASE file (#552.4). When the user enters a starting date and time, the message "Job Started" is displayed. If the background filer is stopped the message "Job Stopped" is displayed.

Nightly Purge of CMOP Database

This option schedules or unschedules the nightly job to purge the CMOP DATABASE file (#552.2). To start the nightly purge of the CMOP database, enter the date and time.

Nightly Purge of Release Data

This option is used to schedule or unschedule the nightly background job to purge release data. To start the purge of release data, enter the date and time. All data already filed in the CMOP MASTER DATABASE file (#552.4) will be deleted.

Purge of Release Messages

With this option you are able to start or stop the background job that purges the stored data pertaining to the release data mail messages that are returned to the medical centers. You are asked to enter the number of days of data you want to keep. This number also determines the amount of data that will appear on the Report of Release Data Returned and the Resend Release Data reports. For example, if you enter 10 days, then each of the reports will provide information for that number of days. Any data older than 10 days will be purged.

Resend Release Data to VAMCs

This option provides you with a report by medical center of any release data mail messages that have not been acknowledged within 24 hours. A release data mail message is one that has been returned by the medical center and completely filed at the CMOP facility. At the end of the report you will receive the prompt, "Resend Messages." You can enter a list of numbers separated by commas. The specified messages will be returned to the medical center as one new mail message. If there aren't any unacknowledged messages for the medical center selected, the you will get the message, "No data for the report." This report can be sent to the screen or it can be sent to a printer.

Example: Resend Release Data

```
Select Operations Management Option:  Resend Release Data to VAMCs
Select Facility or RETURN for all: <ENT>
DEVICE: [Select Print Device]

       RELEASE DATA RETURNED SINCE Feb 16, 1997
                   BIRMINGHAM, AL.
                 PRINTED Feb 25, 1997

DATE/TIME DATA RETURNED             Rx's    ACKNOWLEDGED
=========================================================
Feb 19, 1997 1:52:34 pm               15        YES
Feb 24, 1997 10:16:39 am               7        NO
=========================================================
TOTAL                 RETURNED                  22
                      ACKNOWLEGDED              15
                      NOT ACKNOWLEDGED           7

TOTALS FOR ALL SITES  RETURNED                  22
                      ACKNOWLEDGED              15
                      NOT ACKNOWLEDGED           7
Enter RETURN to continue or '^' to exit: <ENT>

Resend a Release Message? <ENT>
This is a required response. Enter '^' to exit
Resend a Release Message? YES
Select Facility:  521

       RELEASE DATA NOT ACKNOWLEDGED
                BIRMINGHAM, AL.
                 Feb 25, 1997

MESSAGE   DATE/TIME DATA RETURNED    TOTAL Rx's
===============================================
      1   Feb 24, 1997 10:11:63 am            7

Resend messages:  (1-1): 1
Enter time:  NOW// <ENT>  (FEB 25, 1997@15:45:06)
Job Started.

Select Operations Management Option: <ENT>
```

System Parameter Enter/Edit

This option displays the current site parameter settings and allows editing of those that can be changed.

Query Request Interval	This parameter controls the time interval between query requests. The time is entered as hours or fractions of an hour.
Query Limit Request	This parameter controls the number of Rx's that the VISTA system will accept during a query.
Days to Retain Release Summary	This parameter controls the number of days release acknowledgement summaries will be retained in the CMOP OPERATIONS file.
CMOP Drug Cost Missing Report	This parameter controls whether a CMOP DRUG Cost Missing error report is generated.

Example: System Parameter Enter/Edit

```
Select Operations Management Option: System Parameter Enter/Edit

Query Request Interval:  1 hr // <ENT>  ( 1 hr )
Query Limit Request:  10000 // <ENT>
Days to Retain Release Summary:  10 // <ENT>
CMOP DRUG Cost Missing reports: YES// ?
      Do you want the "CMOP DRUG Cost Missing" error report generated?
(Y/N)
      Choose from:
      Y     YES
      N     NO
CMOP DRUG Cost Missing reports: YES// <ENT>

Select Operations Management Option: <ENT>
```

Display System Status

This option displays a screen of information for use by the CMOP Site Manager to review the status of CMOP processes. Information includes statuses on the CMOP interface, nightly background jobs, etc. This data should be reviewed regularly to ensure all processes are running as scheduled.

☞ Release Data Acknowledgments > 24 hours OUTSTANDING is a notification that release data has been returned to a remote medical center and not acknowledged within 24 hours. Use the *Resend Release Data* option to resend the data to the medical center.

☞ Rejected Orders OUTSTANDING is a notification that patient order(s) have been rejected by the vendor system. The *Rejected Messages Report* option should be used to print a report of these orders.

Example: Display System Status

```
Select CMOP System Management Menu Option: Display System Status


                                CMOP SYSTEM STATUS

 Interface              : STOPPED

 Transmissions Queued   : Nothing in the Queue

 Last Order Processed   : 521-3-12..........BIRMINGHAM (C).........Feb 26@10:16

 Last Query Completed   : #3................7 Rx's.................Feb 26@10:16

          *****Release Data Acknowledgments > 24 hours OUTSTANDING*****

                      *****Rejected Orders OUTSTANDING*****

 Background Process                        Last Ran               Scheduled For

 Release Data Filed in Master Database....Feb 26@12:17...........Feb 26@12:32
 Database Purge.......................................Not Scheduled
 Release File Purge.......................Feb 25@23:00...........Feb 26@23:00
 Release Acknowledgement File Purge.......Feb 25@23:30...........Feb 26@23:30
```

Reports

PSXCMOPMGR

This menu provides reports available at the CMOP host facility which contain information on data transmissions received from remote facilities.

Transmission Report Summary
Rejected Messages Report
Unreleased Rx's Report
Duplicate Release Data Report
Facility Activity Report
Turnaround Time Report
Report of Release Data Returned
Print Rejected Orders
Print Transmission Labels
Label Restart Utility
Reprint Transmission Labels

Transmission Report Summary

This option is used to print a report of prescription data for the selected data transmission. The user can only select transmissions which are waiting to download to the automated system.

The report contains the data transmission number, facility, division, the date the transmission was received, total number of orders and prescriptions, and the name of the patient, SSN, Rx number, barcode, and drug name.

Rejected Messages Report

This option prints information for any rejected messages of a data transmission for review by the CMOP manager. The date range selected by the user is based on the processed date and time.

Example: Rejected Messages Report

```
Select CMOP System Management Menu Option: REports Menu


Select Reports Option: REJected Messages Report
ENTER BEGINNING DATE :  NOW// <ENT>
ENTER ENDING DATE :  NOW// <ENT>
DEVICE: [Select print device.]
```

..... *report follows on the next page* .....

Example: Rejected Messages Report (continued)

```
              CMOP Rejected Messages for Transmission # 521-367
                     Printed : NOV 10,1997@10:27:13

Facility : BIRMINGHAM, AL.              Division:  BIRMINGHAM (C)
Received on  Nov 02, 1997 3:44          Total Orders:  4    Total Rx's:  14

ORDER          NAME        RX NUMBER  BAR CODE       DRUG NAME
-------------------------------------------------------------------------------


7  REJECTED REASON:   DATA ERROR
     BONEBRAKE, D.J.       11636A     521-52066      ALBUTEROL SULFATE 4MG TAB
                           10971E     521-52067      HALOPERIDOL 20MG TAB
                           10345K     521-52069      IBUPROFEN 600MG TAB
                           11757B     521-52070      ISONIAZID 100MG TAB

8  REJECTED REASON:   DATA ERROR
     KIRK, JAMES T.        11597E     521-52071      ALBUTEROL 90MCG 200D ORAL
                           11433E     521-52072      ALUMINUM CL HEXAHYDRATE 2
                           11247F     521-52073      AMINOPHYLLINE 100MG TAB
                           11325H     521-52074      AMITRIPTYLINE HCL 10MG TA

9  REJECTED REASON:   DATA ERROR
     HOLT, GEORGE          15167      521-52057      NAPROXEN 375MG TAB

10  REJECTED REASON:   DATA ERROR
     RAMONE, JOHNNY        11376D     521-52059      AMILORIDE HCL 5MG TAB
                           11417E     521-52060      AMPICILLIN 250MG/5ML SUSP
                           200012B    521-52062      FOLIC ACID 1MG TAB
                           11706E     521-52063      IBUPROFEN 600MG TAB
                           200011D    521-52064      ISONIAZID 100MG TAB
```

Unreleased Rx's Report

With this option the user can print a summary of all prescription data in the CMOP Master Database that have not been released. The summary contains the facility, pharmacy division, date transmitted and received, the Rx number, drug ID, and the number of fills. The report will sort by the order number within the batches displayed. This report can be printed for a selection of date ranges, facilities, and type of transmissions (Controlled Substances and Non-Controlled Substances).

Duplicate Release Data Report

This report may be accessed in one of two ways.

1) When the system automatically detects duplicate Rx's, an alert is generated. Processing this alert will cause the report to print. Answering yes to the "Delete these Rx's" release data purge prompt found at the end of the report will mark these Rx's for deletion by the background filer.

2) The report can also be generated by using the option "PSX DUPLICATE RX PURGE". This option performs the same function as #1 except it gives the user the chance to access the list of duplicates when necessary and not just when an alert is generated.

Example: Duplicate Release Data Report

```
Select CMOP System Management Menu Option: Duplicate Release Data Report
DEVICE: [Select Print Device]


                              Duplicate Rx Report
                                 BIRMINGHAM, AL.

Rx #            Query #    Completed Time   Orig Qry    Orig Completed Time
-------------------------------------------------------------------------------
15548               510    02/29/97@10:44        509    2/29/97@10:37
15549               510    02/29/97@10:44        509    2/29/97@10:37
15550               510    02/29/97@10:44        509    2/29/97@10:37
15551               510    02/29/97@10:44        509    2/29/97@10:37
15552               510    02/29/97@10:44        509    2/29/97@10:37
Delete these Rx's? YES// <ENT>

Select CMOP System Management Menu Option: <ENT>
```

Facility Activity Report

This option prints a report, by facility, for a selected date and time range. The report lists each transmission and the current count of Rx's that are completed, cancelled, and unreleased at the time of the report.

Turnaround Time Report

This option queues the CMOP Rx Turnaround Time report for the selected date range. The report is based on the time difference between the transmission date and time and the date and time the pharmacist at the CMOP marked the prescription as completed and released. Information includes the average, minimum, and maximum turnaround times, and the total number of Rx's released. Due to the time required to compile the data for this report, it can only be sent to a printer.

Report of Release Data Returned

This option provides a report by medical center of all release data that has been returned to the medical center. Totals for the number of Rx's returned, Rx's acknowledged, and Rx's not acknowledged are provided for each medical center. A grand total is provided at the end of the report. At the end of the report, if there are messages that have not been acknowledged within a 24 hour period, you will receive the prompt, "Resend Messages." If the you respond yes, the process will automatically go to the *Resend Release Data* option. If there are no unacknowledged messages, the user will not be prompted to resend messages. This report can be sent to the screen or to a printer.

Print Rejected Orders

This option allows the user to print all rejected orders for a selected transmission. Labels cannot be printed while the CMOP interface is running.

Print Transmission Labels

PSXCMOPMGR

This option allows printing of labels for prescription data received by the CMOP. The user selects a transmission Facility Batch number to be printed. All labels "Queued to send" for this transmission are printed.

Label Restart Utility

PSXCMOPMGR

This option enables the user to print a range of CMOP transmission labels that have jammed during normal or reprint label print operations.

Example: Label Restart Utility

```
Select CMOP System Management Menu Option: REports

Select Reports Option: Label Restart Utility
                    CMOP LABEL RESTART UTILITY

To run the Label Restart Utility you will need the Rx number of
the last USEABLE Rx that printed, as well as the CMOP Order #
where the error occurred.

Did the error occur during Reprint? NO// <RET>

Enter Beginning CMOP Order #: 521-310-1
Enter Ending CMOP Order #: 521-310-4

Enter the last USABLE Rx number printed or 'RETURN' to start at
the first Rx in order: ??

You selected CMOP order # 521-310-1
If this is correct, please choose the last USABLE Rx that printed
from the following list:

FIFE,BARNEY
15112          ASPIRIN 325MG TAB
15114          CIMETIDINE 200MG TAB

Enter the last USABLE Rx number printed or 'RETURN' to start at
the first Rx in order: 15112


Select Label Printer:    [Select print device.]


OK TO ASSUME LABEL ALIGNMENT IS CORRECT ?:  (Y/N): YES// <RET>
Requested Start Time: NOW// <RET> (FEB 20, 1997@10:21:21)

LABELS Queued to Print!!


Select Reports Menu Option: <RET>
```

Reprint Transmission Labels

PSXCMOPMGR

This option enables users at the host CMOP facilities to reprint transmission labels. To reprint the transmission labels, enter the facility-batch number.

Rx Inquiry

PSXCMOPMGR

With this option the user can select a specific transmission and prescription for review.

Example 1: Rx Inquiry Received, but not Released

```
Select CMOP System Management Menu Option: RX Inquiry
Select Facility Batch Reference # :521-473

  TRANSMITTED :JAN 15,1997@11:58:15     RECEIVED   : JAN 15,1997@11:58:15
                                        TO VENDOR  :
RX # :11698C

  ORIGINAL        DRUG ID : I0005       QTY : 120      COST :

  RX STATUS : RECEIVED

Select Facility Batch Reference # :<RET>

Select CMOP System Management Menu Option: <RET>
```

Example 2: Rx Inquiry Received and Released

```
Select CMOP System Management Menu Option: RX Inquiry
Select Facility Batch Reference # :521-336

  TRANSMITTED :OCT 27,1996@15:29:13     RECEIVED   : OCT 27,1996@15:29:13
                                        TO VENDOR  : NOV 17,1996@16:55:40
RX # :11780B                      REC'D FROM VENDOR  : NOV 17,1996@16:55:39

  ORIGINAL        DRUG ID : V0006       QTY : 50       COST : 0.067

  RX STATUS : PROCESSED       COMPLETED NOV 17,1996@16:55   AUTOMATED

  NDC : 1234TEST5678          BY EMPLOYEE : WOODSTOCK,PHIL

  PROCESSED DT/TM : NOV 17,1996@17:03:46          QUERY ID # 311

          LOT # : 1234TST     EXP DATE : JUL 7,1997

Select Facility Batch Reference # :<RET>

Select CMOP System Management Menu Option: <RET>
```

Manual/Barcode Release Prescription

PSXCMOPMGR

This option allows the user at the host facility to release a prescription for a label printed by the **V*IST*A** system. In order to manually release an Rx, the user must hold the PSXCMOPMGR key. This option is **not** used to release prescriptions dispensed by the automated non-**V*IST*A** vendor system.

If an Rx is rejected by the vendor system it will remain on the CMOP system until it is printed and released. In some infrequent cases there is an Rx that should be cancelled instead of printed and released. This option has been created to handle the entry of the cancellation in the CMOP RELEASE file to allow the information to be returned to the VAMC and update the PRESCRIPTION file (#52).

Example: Manual/Barcode Release Prescription

```
Select CMOP System Management Menu Option: Manual/Barcode Release Prescription

This option will only release/complete Rx's which have labels printed manually


     Select one of the following:

          R         RELEASE
          C         NOT DISPENSED

Enter response: C  NOT DISPENSED



Enter Cancel Reason: QUANTITY OR DISPENSE PROBLEM.
Enter PHARMACIST:    WHITE,HAROLD        HW


Enter/Wand PRESCRIPTION number: 521-53319


RX# 521-53319 not dispensed.
```

Unhold Transmission

This option allows a user holding the PSXCMOPMGR key to remove a transmission from a Hold status and allows the transmission to download to the automated vendor system.

Example: Unhold a Transmission

```
Select CMOP System Management Menu Option: Unhold Transmission
Select CMOP REFERENCE FACILITY BATCH REFERENCE: 521-409

The original transmission, 521-408 has already been sent to the automated
vendor system.
Transmission, 521-409 is a retransmission of 521-408 and can not be queued.


Select CMOP System Management Menu Option: <RET>
```

View Transmission

This option enables the user to display information for a specified transmission. The user must enter the facility number followed by the batch number to view the transmission.

Example: View Transmission

```
Select CMOP System Management Menu Option: View Transmission
Select CMOP REFERENCE FACILITY BATCH REFERENCE: 597-8881

                          VIEW TRANSMISSION

Transmission     : 597-8881            Transmitted  : Sep 14, 1996 10:13:08 am
Status           : Processed           Received     : Sep 14, 1996 10:28 am
Division         : LINCOLN             Processed    : Sep 14, 1996 10:46:01 am
Sender           : KRATZ,KEVIN C.
Beginning order #: 1                   Total orders : 126
Ending order #   : 126                 Total Rx's   : 283

Select CMOP System Management Menu Option: <RET>
```

Enter/Edit Transmission Comments

This option allows the host CMOP users to enter or edit transmission comments. The user selects this option to make notes or comments regarding a specific transmission. The batch number is entered, the batch information is displayed, and the user is prompted for comments.

Example: Enter/Edit Transmission Comments

```
Select CMOP System Management Menu Option: Enter/Edit transmission comments
Select CMOP REFERENCE FACILITY BATCH REFERENCE: 521-409

Transmission     : 521-409             Transmitted  : Nov 29, 1996 2:33:25 pm
Status           : Hold                Received     : Nov 29, 1996 2:33:57 pm
Division         : BIRMINGHAM (C)
Sender           : BURKE,PAUL
Beginning order #: 1                   Total orders : 2
Ending order #   : 2                   Total Rx's   : 6
Retransmission of 521-408
COMMENTS:
  1>THIS IS A RETRANSMISSION OF 521-408 BECAUSE FIRST TRANSMISSION FAILED.
  2><RET>
EDIT Option: <RET>



Select CMOP System Management Menu Option: <RET>
```

CMOP Drug/Item Management

PSXCMOPMGR

This submenu is used by the CMOP Manager to perform operations required to transmit selected drug/items to the CMOP host facility.

Loop CMOP Match to Local Drug File
CMOP Mark/Unmark (Single drug)
CMOP Data from Your Local Drug File
Drug Enter/Edit
Drugs not Flagged for CMOP Transmission

Loop CMOP Match to Local Drug File

PSNMGR

This option allows users to select entries in the local DRUG file (#50), review NDF matches, and mark entries to transmit to the CMOP.

Example: Loop CMOP Match to Local Drug File

```
Select CMOP Site Manager Menu Option: CMOP Drug/Item Management


Select CMOP Drug/Item Management Option: Loop CMOP Match to Local Drug File

This option allows you to choose entries from your drug file and helps you
review your NDF matches and mark individual entries to send to CMOP.

If you mark the entry to transmit to CMOP, it will replace your Dispense Unit
with the VA Dispense Unit. In addition, you may overwrite the local drug name
with the VA Print Name and the entry will remain uneditable.

Do you wish to loop through the whole file?
(If you answer "NO", you will loop through ONLY the ones previously marked as
"Do not transmit to CMOP").
Enter Yes or No: NO

I have to build a table before you can begin "looping" so let me put you on
"hold" for a moment.
.............................................................

   VA Print Name: GUAIFENESIN 100MG/5ML SYRUP         VA Dispense Unit: ML


     Local Drug Generic Name: GUAIFENESIN 100MG/5ML LIQUID
               VA Drug Class: RE302

                  ORDER UNIT: 120ML
  DISPENSE UNITS/ORDER UNITS: 120
               DISPENSE UNIT: MG/ML
  PRICE PER DISPENSE UNIT: 0.01

** This entry has been previously marked NOT to transmit to CMOP **

Do you wish to mark this drug to transmit to CMOP?
Enter Yes or No: YES

Your old Dispense Unit  MG/ML  does not match the new one  ML.
You may wish to edit the Price Per Order Unit and/or the Dispense
Units Per Order Unit.

PRICE PER ORDER UNIT: 0.01// <RET>
DISPENSE UNITS PER ORDER: 120// <RET>

Do you wish to overwrite your local name?
Enter Yes or No: YES
```

```
     VA Print Name: GUAIFENESIN 100MG/5ML SYRUP

   Local Drug Name                            CMOP?    VA D.U.        O.W.?
-------------------------------------------------------------------------------
1. GUAIFENESIN 100MG/5ML SYRUP                YES      ML             YES
      Price Per Order Unit = 0.01
      Dispense Units Per Order Unit = 120

If you answer "Yes" you will go to the next VA Print Name. If you answer "No"
you will go back through this particular VA Print Name group.

Are you sure everything is correct?
Enter Yes or No: YES

You've completed marking everything that is possible.
```

CMOP Mark/Unmark (Single drug)

PSNMGR

With this option the user can mark or unmark a single drug for transmission to the CMOP.

If a drug marked for CMOP in the DRUG file (#50) needs to be edited, the entry must be unmarked for CMOP using the *CMOP Mark/Unmark (Single drug)* option. Once editing is completed, the drug must be re-marked for CMOP using the *CMOP Mark/Unmark (Single drug)* option.

> *****IMPORTANT*****
>
> When using the option *CMOP Mark/Unmark (Single drug)* to mark a drug for CMOP the user **must** update the cost information in the DRUG file (#50) to ensure the cost data for the refill will be correct.

Example 1: Marking a CMOP Drug (Single drug)

```
Select CMOP Site Manager Menu Option: CMOP Drug/Item Management

Select CMOP Drug/Item Management Option: CMOP MARK/Unmark (Single drug)

This option allows you to choose entries from your drug file and helps you
review your NDF matches and mark individual entries to send to CMOP.

If you mark the entry to transmit to CMOP, it will replace your Dispense Unit
with the VA Dispense Unit. In addition, you may overwrite the local drug name
with the VA Print Name and the entry will remain uneditable.

Select DRUG GENERIC NAME:    GUAIFENESIN 100MG/5ML LIQUID          RE302


   Local Drug Generic Name: GUAIFENESIN 100MG/5ML LIQUID
                 ORDER UNIT: 120ML
DISPENSE UNITS/ORDER UNITS: 120
             DISPENSE UNIT: EA
   PRICE PER DISPENSE UNIT: 0.01

VA Print Name: GUAIFENESIN 100MG/5ML SYRUP       VA Dispense Unit: ML
VA Drug Class: CN103

Do you wish to mark this drug to transmit to CMOP?
Enter Yes or No: YES
QUANTITY DISPENSE MESSAGE: ENTER IN MULTIPLES OF 120.

Your old Dispense Unit  EA  does not match the new one  ML.
You may wish to edit the Price Per Order Unit and/or The Dispense
Units Per Order Unit.
```

```
PRICE PER ORDER UNIT: 3.70// 1.20
DISPENSE UNITS PER ORDER UNIT: 1// 120

Do you wish to overwrite your local name?
Enter Yes or No: YES
Select DRUG GENERIC NAME: <RET>
```

Example 2: Unmarking a CMOP Drug (Single drug)

```
Select CMOP Site Manager Menu Option: CMOP Drug/Item Management

Select CMOP Drug/Item Management Option: CMOP Mark/Unmark (Single drug)
This option allows you to choose entries from your drug file and helps you
review your NDF matches and mark individual entries to send to CMOP.

If you mark the entry to transmit to CMOP, it will replace your Dispense Unit
with the VA Dispense Unit. In addition, you may overwrite the local drug name
with the VA Print Name and the entry will remain uneditable.

Select DRUG GENERIC NAME:    GUAIFENESIN 100MG/5ML SYRUP          RE302

   Local Drug Generic Name: GUAIFENESIN 100MG/5ML SYRUP
                ORDER UNIT: 120ML
DISPENSE UNITS/ORDER UNITS: 120
             DISPENSE UNIT: ML
   PRICE PER DISPENSE UNIT: 0.01

VA Print Name: GUAIFENESIN 100MG/5ML SYRUP            VA Dispense Unit: ML
VA Drug Class: CN103

Do you wish to UNmark this drug to transmit to CMOP?
Enter Yes or No: YES

Select DRUG GENERIC NAME: <RET>
```

CMOP Data from Your Local Drug File

This option is used to print a report of data in your local DRUG file (#50) marked to transmit to the CMOP. This report must be sent to a printer.

Example: CMOP Data from Your Local Drug File

```
Select CMOP System Management Menu Option: CMOP Drug/Item Management


Select CMOP Drug/Item Management Option: CMOP Data from Your Local Drug File

This option will produce a report to help you review your NDF matches.
The report will group drugs together that are matched to the same VA Print
Name along with the VA Dispense Unit. These will be used for CMOP purposes.
You may queue the report to print, if you wish.


DEVICE: [Select print device.] [This report must be sent to a printer.]
..................................................................... report follows ...................................................

          LOCAL DRUGS MATCHED TO THE SAME VA PRINT NAME
                                                     Date printed: FEB 15,1997
                                                       Page: 1

VA PRINT NAME                                          VA DISPENSE UNIT
     Local GENERIC NAME                                    Local DISPENSE UNIT
-------------------------------------------------------------------------------
ACETAMINOPHEN 650MG RTL SUPP                           EA
     ACETAMINOPHEN 650MG RTL SUPP                          EA

ACETAZOLAMIDE 125MG TAB                                TAB
     ACETAZOLAMIDE 125MG TAB                               TAB

ACETAZOLAMIDE 250MG TAB                                TAB
     ACETAZOLAMIDE 250MG TAB                               TAB

ACETAZOLAMIDE 500MG SA CAP                             CAP
     ACETAZOLAMIDE 500MG SA CAP                            CAP

ACETIC ACID 0.25% IRRG SOLN                            ML
     ACETIC ACID 0.25% IRRG SOLN                           ML

ACETIC ACID 2% OTIC SOLN                               ML
     ACETIC ACID 2% OTIC SOLN                              ML

ACETIC ACID 2/ALUM ACET 10.79% OTIC SOLN               ML
     ACETIC ACID 2/ALUM ACET 10.79% OTIC SOLN              ML

      •
      •
      •
```

[This report has been abbreviated to save space.]

Drug Enter/Edit

PSXCMOPMGR

With this option the user can add new drugs to the file, edit existing drugs, and inactivate drugs.

CMOP Functionality for Drug Enter/Edit

When an entry in DRUG file (#50) has been marked for CMOP, the GENERIC NAME, and DISPENSE UNIT fields **cannot** be edited. If editing of these fields is necessary, the entry must be unmarked for CMOP using the *CMOP Mark/Unmark (Single drug)* option. Once editing is completed, the drug must be re-marked for CMOP using the *CMOP Mark/Unmark (Single drug)* option.

Example: Drug Enter/Edit

```
Select CMOP System Management Menu Option: CMOP Drug/Item Management


Select CMOP Drug/Item Management Option: DRUG Enter/Edit


Select DRUG GENERIC NAME: AMOXA
     1   AMOXAPIN 100 MG TAB
     2   AMOXAPINE 100MG TAB             CN601     N/F
     3   AMOXAPINE 150MG TAB                  N/F     12-10-84
CHOOSE 1-3: 2

DO YOU WANT TO MARK THIS DRUG AS AN Outpatient Pharmacy ITEM? YES// N  (NO)

GENERIC NAME: AMOXAPINE 100MG TAB// AMOXAPIN 100MG
CMOP drug names may not be edited.??
     Answer must be 1-40 characters in length
GENERIC NAME: AMOXAPINE 100MG TAB// <RET>
MESSAGE: <RET>
QUANTITY DISPENSE MESSAGE: 5ml 10 ml only // ?
    Answer must be 1-68 characters in length.  Do not enter special characters
    such as quotes, semicolons, colons.
QUANTITY DISPENSE MESSAGE: 5ml 10 ml only // <RET> [Do not enter special characters,
e.g., semi-colon (;), caret (^), grave (`), forward slash (/), or colon (:).]
VA CLASSIFICATION: CN601// <RET>
DEA, SPECIAL HDLG: 6// <RET>
MAXIMUM DOSE PER DAY: <RET>
STANDARD SIG: <RET>
FSN: <RET>
NDC: 0005-5391-23// <RET>
WARNING LABEL: <RET>
Select SYNONYM: ASENDIN 100MG TAB// <RET>
  SYNONYM: ASENDIN 100MG TAB// <RET>
  INTENDED USE: <RET>
  NDC CODE: <RET>
Select SYNONYM: <RET>
REORDER LEVEL: <RET>
ORDER UNIT: BT// <RET>
PRICE PER ORDER UNIT: 27.23// <RET>
NORMAL AMOUNT TO ORDER: <RET>
```

```
DISPENSE UNIT: TAB// CAP
Dispense unit of CMOP drug cannot be edited!??
     Answer must be 1-10 characters in length.
DISPENSE UNIT: TAB// <RET>
DISPENSE UNITS PER ORDER UNIT: 100// <RET>
PRICE PER DISPENSE UNIT is 0.272
SOURCE OF SUPPLY: <RET>
NON-FORMULARY: N/F// <RET>
INACTIVE DATE: <RET>
CURRENT INVENTORY: 89970// <RET>

Select DRUG GENERIC NAME: <RET>
```

Drugs not Flagged for CMOP Transmission

This report lists items in the local DRUG file (#50) which are available at the CMOP, but have not been marked for transmission.

Example: Drugs not Flagged for CMOP Transmission

```
Select CMOP System Management Menu Option: CMOP Drug/Item Management

Select CMOP Drug/Item Management Option: DRUGS NOT Flagged for CMOP Transmission

This report will print all drugs marked for Outpatient use which are non-
controlled substances and are not marked to transmit to CMOP.
This report requires 132 columns.
You may queue the report to print, if you wish.


DEVICE: [Select print device.] [This report must be sent to a printer.]
```

..... *report follows* .....

```
                                OUTPATIENT DRUGS NOT MARKED TO SEND TO CMOP
                                                        Date printed: FEB 15,1997
                                                        Page: 1
LOCAL DRUG NAME                         STATUS        VA PRINT NAME
-------------------------------------------------------------------------------------
ALDOCLOR-150 TAB                        NOT MARKED    CHLOROTHIAZIDE 150/METHYLDOPA 250MG TAB

ALDOCLOR-250 TAB                        NOT MARKED    CHLOROTHIAZIDE 250/METHYLDOPA 250MG TAB

ANAMINE SYRUP                           NOT MARKED    CTM 2/PSEUDOEPHEDRINE 30MG/5ML LIQUID

ANTHRA-DERM OINT 0.25% 1.5OZ            NOT MARKED    ANTHRALIN 0.25% OINT

ANTHRALIN 1.0% CR 50GM                  NOT MARKED    ANTHRALIN 1% CREAM

APRESAZIDE 100/50 CAP                   NOT MARKED    HYDRALAZINE 100/HCTZ 50MG CAP

APRESAZIDE 50/50 CAP                    NOT MARKED    HYDRALAZINE 50/HCTZ 50MG CAP

APRESOLINE-ESIDRIX TAB                  NOT MARKED    HYDRALAZINE 25/HCTZ 15MG TAB

ARISTO-PAK 4MG TAB                      DO NOT SEND   TRIAMCINOLONE 4MG TAB

ARISTOCORT A 0.1% OINT 60GM             NOT MARKED    TRIAMCINOLONE ACETONIDE 0.1% OINT
```

•
•
•

[This report has been abbreviated to save space.]

Facility Cost Management

This menu contains options that enable the user to manage the cost compilation and print the cost reports for the Consolidated Mail Outpatient Pharmacy system.

Date Range Compile/Recompile Cost Data
Drug Cost by Drug Report
Drug Cost by Drug Report for One Month
Drug Cost by Facility Report
High Cost Rx Report
Initialize the Nightly Compile Job
One Day Compile/Recompile Cost Data
Purge Cost Data
Update Rx COST in Master Database

Date Range Compile/Recompile Cost Data

PSXCOST

This option compiles or recompiles cost data for a date range specified by the user. Before the data for the specified date range is compiled, the data for the date range is deleted from the CMOP COST STATS file (#552.5).

If a background job is queued to run or is running that compiles or purges cost data for the same date range you have selected or for dates that overlap your date range, you **cannot** queue your compile/recompile job. (See Example 2.)

The average number of prescriptions filled in a day is 10,000 per site. To recompile an average month takes several hours.

☞ The cost data for the specified date range is compiled using the data in the CMOP MASTER DATBASE file (#552.4) not by totaling the daily entries in the CMOP COST STATS file (#552.5).

Example 1: Date Range Compile/Recompile Cost Data

```
Select CMOP System Management Menu Option: Facility Cost Management

Select Facility Cost Management Option: DAte Range Compile/Recompile Cost Data

Beginning date: T-180  (SEP 01, 1996)

   Ending date: T-1  (FEB 27, 1997)

Are you sure? N// Y  YES

Monthly data compilation queued from Sep 01, 1996 to Nov 1996.
Requested Start Time: NOW// <RET> (FEB 28, 1997@12:21:41)

Task Queued!


Daily data compilation queued from Dec 01, 1996 to Feb 27, 1997.
Requested Start Time: NOW// <RET> (FEB 28, 1997@12:21:46)

Task Queued!


Select Facility Cost Management Option: <RET>
```

Example 2: Date Range Compile/Recompile Cost Data

```
Select CMOP System Management Menu Option: Facility Cost Management

Select Facility Cost Management Option: DAte Range Compile/Recompile Cost Data

Beginning date: T-30  (JAN 29, 1997)

   Ending date: T  (FEB 28, 1997)

Are you sure? N// YES

Your task cannot be queued. The following active task(s) is for the same
date range you have selected or for dates that overlap your date range.

Status   Activity  Data Date Range   Task#  Task Started
-------------------------------------------------------------------------------
Running   Compile 12/01/96-02/27/97 69870  02/28/97@1221
                  Queued by: DURBIN,DIANA

Queued    Compile 02/28/97-02/28/97 69828  02/28/97@0100
                  Queued by: STARR,BRENDA

Queued    Compile 02/28/97-02/28/97 69827  02/28/97@0100
                  Queued by: WILKES,MELANIE


Beginning date: <RET>


Select Facility Cost Management Option: <RET>
```

Drug Cost by Drug Report

This option prints a report of drug cost by drug. The report lists the drug name, number of original fills, number of refills, total fills, total cost, average cost per dispense unit, and average cost per fill. The report can be printed for a specific facility or all facilities, and a specific division or all divisions. If the facility has more than one division and all divisions are selected, a summary sheet prints. The summary report contains a total for each division and a grand total for the facility.

Example: Drug Cost by Drug Report

```
Select CMOP System Management Menu Option: Facility Cost Management

Select Facility Cost Management Option: DR
    1    Drug Cost by Drug Report
    2    Drug Cost by Drug Report for One Month
    3    Drug Cost by Facility Report
CHOOSE 1-3: 1  Drug Cost by Drug Report

Do you want to look at data concerning a specific drug? Y// NO

Beginning Date: T-60  (DEC 25, 1996)

Ending Date: T  (FEB 23, 1997)

Print data for a specific facility? Y// NO

DEVICE: [Select print device.] [This report must be sent to a 132-column printer.]

.....report follows.....
```

PRINTED: FEB 23,1997@11:23:59 PAGE 1

DRUG COST BY DRUG FOR BIRMINGHAM, AL.
DEC 25,1996 TO FEB 23,1997

DIVISION: BIRMINGHAM

DRUG	ORIGN FILLS	REFILLS	TOTAL FILLS	TOTAL COST	AVG COST per FILL	AVG COST per DISPENSE UNIT
ACETAMINOPHEN 325MG TAB	4	4	8	1.94	0.24	0.003
ACETAMINOPHEN 500MG CAP	1	2	3	0.00	0.00	0.000
ACETAZOLAMIDE 500MG SA CAP	1	0	1	5.73	5.73	0.229
ACETIC ACID 0.25% IRRG SOLN	2	0	2	284.35	142.18	2.585
ACYCLOVIR 200MG CAP	1	0	1	47.80	47.80	0.478
ALBUTEROL 90MCG 200D ORAL INHL	0	2	2	429.25	214.63	4.250
ALBUTEROL SULFATE 2MG TAB	0	1	1	0.08	0.08	0.090
ALBUTEROL SULFATE 4MG TAB	0	1	1	5.16	5.16	0.172
ALLOPURINOL 100MG TAB	1	2	3	3.84	1.28	0.024
ALUMINUM CL HEXAHYDRATE 20% TOP SOLN	1	0	1	636.25	636.25	5.090
AMANTADINE HCL 100MG CAP	1	3	4	91.16	22.79	0.214
AMIKACIN SULFATE 250MG/ML INJ	2	1	3	5190.00	1730.00	17.300
AMILORIDE HCL 5/HCTZ 50MG TAB	2	0	2	32.70	16.35	0.218

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•
•

[Portions of this report have been abbreviated to save space.]

PRINTED: FEB 23,1997@11:23:59 PAGE 2

DRUG COST BY DRUG FOR BIRMINGHAM, AL.
DEC 25,1996 TO FEB 23,1997

DIVISION: BIRMINGHAM

DRUG	ORIGN FILLS	REFILLS	TOTAL FILLS	TOTAL COST	AVG COST per FILL	AVG COST per DISPENSE UNIT
METHOCARBAMOL 500MG TAB	0	1	1	2.88	2.88	0.024
NADOLOL 40MG TAB	0	1	1	30.50	30.50	0.305
NAPROXEN 375MG TAB	2	0	2	53.12	26.56	0.332
NIACIN 500MG TAB	1	0	1	23.85	23.85	0.265
RANITIDINE HCL 150MG TAB	0	1	1	35.52	35.52	0.592
UNKNOWN	3	1	4	0.00	0.00	0.000
VERAPAMIL HCL 120MG TAB	7	2	9	85.70	9.52	0.095
DIVISION TOTAL	99	96	195	15643.26	80.22	0.877

PRINTED: FEB 23,1997@11:23:59 PAGE 3

DRUG COST BY DRUG FOR BIRMINGHAM, AL.
DEC 25,1996 TO FEB 23,1997

DIVISION: BIRMINGHAM (C)

DRUG	ORIGN FILLS	REFILLS	TOTAL FILLS	TOTAL COST	AVG COST per FILL	AVG COST per DISPENSE UNIT
AMINOPHYLLINE 100MG TAB	0	1	1	0.50	0.50	0.005
AMOXAPINE 25MG TAB	0	1	1	15.70	15.70	0.157
DIVISION TOTAL	0	2	2	16.20	8.10	0.081

PRINTED: FEB 23,1997@11:23:59 PAGE 4

DRUG COST BY DRUG FOR BIRMINGHAM, AL.
DEC 25,1996 TO FEB 23,1997

DIVISION: PHARMACY

DRUG	ORIGN FILLS	REFILLS	TOTAL FILLS	TOTAL COST	AVG COST per FILL	AVG COST per DISPENSE UNIT
AMIKACIN SULFATE 250MG/ML INJ	1	0	1	1730.00	1730.00	17.300
AMIODARONE HCL 200MG TAB	1	0	1	37.38	37.38	1.246
AMITRIPTYLINE 50/PERPHENAZINE 4MG TAB	1	0	1	35.30	35.30	0.353
CIMETIDINE 200MG TAB	1	0	1	12.65	12.65	0.253
VERAPAMIL HCL 120MG TAB	1	0	1	6.70	6.70	0.067
DIVISION TOTAL	5	0	5	1822.03	364.41	4.795

PRINTED: FEB 23,1997@11:23:59 PAGE 5

DRUG COST BY DRUG FOR BIRMINGHAM, AL.
DEC 25,1996 TO FEB 23,1997

DIVISION: ALL DIVISIONS

DIVISION	ORIGN FILLS	REFILLS	TOTAL FILLS	TOTAL COST	AVG COST per FILL	AVG COST per DISPENSE UNIT
BIRMINGHAM	99	96	195	15643.26	80.22	0.877
BIRMINGHAM (C)	0	2	2	16.20	8.10	0.081
PHARMACY	5	0	5	1822.03	364.41	4.795
FACILITY TOTAL	104	98	202	17481.49	86.54	0.949

Drug Cost by Drug Report for One Month

This option prints a monthly drug cost report for a month specified by the user. The report lists the total fills, total quantity, total cost, average cost per dispense unit, and formulary/non-formulary. It can be printed for a specified drug or all drugs, a specified facility or all facilities, and a specific division or all divisions. A total for all divisions is included at the end of the report. The minimum total number of refills and minimum total cost are assigned by the user to further refine this report.

Example: Drug Cost by Drug Report for One Month

```
Select CMOP System Management Menu Option: Facility Cost Management

Select Facility Cost Management Option: DR
    1    Drug Cost by Drug Report
    2    Drug Cost by Drug Report for One Month
    3    Drug Cost by Facility Report
CHOOSE 1-3: 2  Drug Cost by Drug Report for One Month

Enter Month/Year: 11/97  (NOV 1996)

Do you want to look at data concerning a specific drug? Y// NO

Print data for a specific facility? Y// <RET> ES
Select FACILITY: BIRMINGHAM, AL.                                    521

Print data for a specific division? Y// <RET> ES
Select DIVISION: BIRMINGHAM (C)

Select Minimum Total number of Refills: :  (0-50): 0// <RET>

Select Minimum Total Cost: :  (0-9999): 0// <RET>

DEVICE: [Select print device.] [This report must be sent to a 132-column printer.]
```

..... *report follows* .....

PRINTED: DEC 23,1996@12:17:57 PAGE: 1

MONTHLY DRUG COST REPORT FOR BIRMINGHAM, AL.
NOV 1996
MINIMUM REFILLS OF 0 AT A MINIMUM COST OF $0

DIVISION: BIRMINGHAM (C)

DRUG	TOTAL FILLED	TOTAL QUANTITY	TOTAL COST	AVG COST per DISPENSE UNIT	N/F
ACETAMINOPHEN 325MG TAB	2	400	1.20	0.003	
ACETAMINOPHEN 500MG CAP	2	120	1.08	0.009	*** N/F ***
ACETAZOLAMIDE 500MG SA CAP	2	200	45.80	0.229	*** N/F ***
ACETIC ACID 0.25% IRRG SOLN	1	30	77.55	2.585	
ACETOHEXAMIDE 500MG TAB	3	145	22.77	0.157	*** N/F ***
ACETOPHENAZINE MALEATE 20MG TAB	1	100	21.20	0.212	*** N/F ***
ACETYLCYSTEINE 10% INH SOLN 30ML	1	3	103.05	34.350	*** N/F ***
ACYCLOVIR 200MG CAP	1	50	23.90	0.478	
ACYCLOVIR NA 500MG/VI INJ	2	100	1546.50	15.465	
ALBUTEROL 90MCG 200D ORAL INHL	6	15	34.85	2.293	
ALBUTEROL SULFATE 4MG TAB	5	110	13.76	0.125	
ALLOPURINOL 100MG TAB	2	130	2.40	0.018	
ALUMINUM CL HEXAHYDRATE 20% TOP SOLN	3	135	661.70	4.901	*** N/F ***
AMANTADINE HCL 100MG CAP	4	275	10.70	0.039	
AMCINONIDE 0.1% OINT	1	3	14.85	4.950	*** N/F ***
AMIKACIN SULFATE 250MG/ML INJ	2	7	121.10	17.300	
AMILORIDE HCL 5MG TAB	3	300	33.00	0.110	
AMINOPHYLLINE 100MG TAB	2	200	0.50	0.003	*** N/F ***
AMINOPHYLLINE 500MG RTL SUPP	1	100	312.00	3.120	*** N/F ***
AMITRIPTYLINE 10/PERPHENAZINE 2MG TAB	3	300	43.50	0.145	*** N/F ***
AMITRIPTYLINE HCL 10MG TAB	2	200	1.10	0.006	
AMOXAPINE 100MG TAB	1	60	16.32	0.272	*** N/F ***
AMOXAPINE 25MG TAB	1	10	0.00	0.000	*** N/F ***
AMOXAPINE 50MG TAB	1	100	0.00	0.000	
AMPICILLIN 250MG/5ML SUSP	2	0	0.03	1.545	*** N/F ***
ASCORBIC ACID 250MG TAB	2	200	0.50	0.003	*** N/F ***
ASPIRIN 325MG TAB	2	200	0.50	0.003	
BETAXOLOL 0.5% OPHT SOLN 5ML	2	6	46.50	7.750	
CAPTOPRIL 100MG TAB	1	75	60.38	0.805	*** N/F ***
CIMETIDINE 200MG TAB	2	200	25.30	0.127	
DIAZOXIDE 50MG CAP	2	62	23.99	0.390	*** N/F ***
FOLIC ACID 1MG TAB	13	680	2.94	0.004	
FUROSEMIDE 40MG TAB	2	100	0.60	0.006	
HALOPERIDOL 20MG TAB	22	4420	6235.28	1.411	*** N/F ***
IBUPROFEN 600MG TAB	22	2360	61.71	0.026	
ISOCARBOXAZID 10MG TAB	2	60	0.00	0.000	*** N/F ***
ISONIAZID 100MG TAB	13	1390	54.60	0.039	
LEVODOPA 250MG TAB	2	100	8.40	0.084	*** N/F ***
NADOLOL 40MG TAB	3	120	36.60	0.305	*** N/F ***
NAPROXEN 375MG TAB	2	200	33.20	0.166	*** N/F ***
NEOMYCIN SULFATE 500MG TAB	2	130	12.61	0.097	
NIACIN 500MG TAB	4	370	98.05	0.265	*** N/F ***
QUINIDINE SULFATE 200MG TAB	1	120	3.72	0.031	

PRINTED: DEC 23,1996@12:17:57 PAGE: 2

MONTHLY DRUG COST REPORT FOR BIRMINGHAM, AL.
NOV 1996
MINIMUM REFILLS OF 0 AT A MINIMUM COST OF $0

DIVISION: BIRMINGHAM (C)

DRUG	TOTAL FILLED	TOTAL QUANTITY	TOTAL COST	AVG COST per DISPENSE UNIT	N/F
RANITIDINE HCL 150MG TAB	4	400	236.82	0.592	
UNKNOWN	2	3	57.94	19.313	
VERAPAMIL HCL 120MG TAB	4	190	12.73	0.067	
ZINC SULFATE 220MG CAP	3	180	2.16	0.012	
DIVISION TOTAL	166	14658	10123.38		

PRINTED: DEC 23,1996@12:17:57 PAGE: 3

MONTHLY DRUG COST REPORT FOR BIRMINGHAM, AL.
NOV 1996
MINIMUM REFILLS OF 0 AT A MINIMUM COST OF $0

DIVISION: ALL

DIVISION	TOTAL FILLED	TOTAL QUANTITY	TOTAL COST	N/F
BIRMINGHAM (C)	166	14658	10123.38	
FACILITY TOTAL	166	14658	10123.38	

Drug Cost by Facility Report

This option prints a summary report of drug cost by facility and division. The report lists the division, total original fills, total refills, total fills, total cost, and average cost per fill. It prints all drug for all facilities or a specific facility, all divisions or a specific division.

Example: Drug Cost by Facility Report

```
Select CMOP System Management Menu Option: Facility Cost Management

Select Facility Cost Management Option: DR
    1    Drug Cost by Drug Report
    2    Drug Cost by Drug Report for One Month
    3    Drug Cost by Facility Report
CHOOSE 1-3: 3  Drug Cost by Facility Report

Beginning Date: T-60  (JAN 07, 1997)

Ending Date: T  (MAR 06, 1997)

Print data for a specific facility? Y// NO

DEVICE: [Select print device.] [This report must be sent to a 132-column printer.]
```

..... report follows .....

```
PRINTED: MAR 6,1997@15:21:18                                                    PAGE 1

                      DRUG COSTS BY FACILITY FOR BIRMINGHAM, AL.
                               JAN 7,1997 TO MAR 6,1997

                             ORIGN                TOTAL          TOTAL        AVG COST
DIVISION                     FILLS     REFILLS    FILLS           COST        per FILL
==========================================================================================
BIRMINGHAM (C)                   1           1        2           9.36            4.68

PRINTED: MAR 6,1997@15:21:18                                                    PAGE 2

                      DRUG COSTS BY FACILITY FOR LOUISVILLE, KY.
                               JAN 7,1997 TO MAR 6,1997

                             ORIGN                TOTAL          TOTAL        AVG COST
DIVISION                     FILLS     REFILLS    FILLS           COST        per FILL
==========================================================================================
LOUISVILLE                       1           0        1          20.00           20.00
LOUISVILLE OUTPATIENT            0           1        1          15.00           15.00

------------------------------------------------------------------------------------------
TOTAL                            1           1        2          35.00           17.50
```

High Cost Rx Report

This option prints the High Cost Rx report for a specific facility or all facilities. The report contains the prescription number, drug name, quantity dispensed, drug cost, and total drug cost for each prescription. The CMOP MASTER DATABASE file (#552.4) is searched for prescriptions with the total cost greater than or equal to an amount specified by the user.

Example: High Cost Rx Report

```
Select CMOP System Management Menu Option: Facility Cost Management

Select Facility Cost Management Option: High Cost Rx Report

Beginning Date: T-1  (MAR 12, 1997)

Ending Date: T  (MAR 13, 1997)

Print data for a specific facility? Y// <RET> ES
Select FACILITY: BIRMINGHAM, AL.                                    521

Dollar Limit (Minimum Total Cost):  (0-9999): 30// <RET>

DEVICE: [Select print device.]
```

..... report follows .....

```
PRINTED: MAR 13, 1997@07:38:08                                      PAGE 1

                    HIGH COST REPORT FOR BIRMINGHAM, AL.
        FILLS THAT COST AT LEAST $30 -- FROM MAR 12,1997 TO MAR 13,1997

  RX #         DRUG                                  QTY     COST    TOTAL COST
-------------------------------------------------------------------------------
  200012       FOLIC ACID 1MG TAB                     30 x  4.250  = 127.50
  11601B       RANITIDINE HCL 150MG TAB             100.01x 0.592  =  59.21
  10981B       NITROGLYCERIN 0.15MG SL TAB           100 x  1.820  = 182.00
  11760        ACETIC ACID 0.25% IRRG SOLN            30 x  2.585  =  77.55
* 11728        AMCINONIDE 0.1% CREAM                 100 x  4.950  = 495.00
  11554A       AMIKACIN SULFATE 250MG/ML INJ           5 x 17.300  =  86.50
  11553A       HALOPERIDOL 20MG TAB                  100 x  1.901  = 190.10
  11427B       ACETYLCYSTEINE 10% INH SOLN 30ML        3 x 34.350  = 103.05
* 11193C       ZIDOVUDINE 100MG CAP                   40 x  1.970  =  78.80
* 11561B       CAPTOPRIL 100MG TAB                    75 x  0.805  =  60.38
  10581D       XEROFORM PETROLATUM DRESSING 5X9IN      5 x  6.100  =  30.50
* 11355A       RANITIDINE HCL 150MG TAB              100 x  0.592  =  59.20
* 11595A       ZIDOVUDINE 100MG CAP                  100 x  1.970  = 197.00
  11513D       HALOPERIDOL 20MG TAB                  300 x  1.901  = 570.30
  11769        HALOPERIDOL 20MG TAB                   50 x  1.901  =  95.05

No. of Fills=15      '*' indicates a refill
```

Initialize the Nightly Compile Job

PSXCOST

This option queues a nightly job that compiles yesterday's cost data and adds the data to the CMOP COST STATS file (#552.5). The user can specify the time the job is tasked to run or accept the default of one o'clock in the morning. The nightly job also queues the next nightly job. It is recommended this job be tasked to run at night at a time convenient to the site.

Two months of daily data are retained in the CMOP COST STATS file (#552.5). On the first of each month, the daily cost data is purged for the third month back and replaced with one entry for the month.

Example: Today is 12/1/96. Daily cost data entries for 10/96 through 11/96 are retained in the CMOP COST STATS file (#552.5). The daily entries for 9/96 are replaced with a monthly entry.

The entry for the month is compiled using the data in the CMOP MASTER DATABASE file (#552.4), not by totaling the daily entries in the CMOP COST STATS file (#552.5).

If the entries are not the 30 most recent entries, the nightly compile job will delete cost job tasking entries in the CMOP OPERATIONS file (#554).

Example: Initialize the Nightly Compile Job

```
Select CMOP System Management Menu Option: Facility Cost Management

Select Facility Cost Management Option: Initialize the Nightly Compile Job

   A job will be tasked every night which compiles yesterday's cost
   statistics. This job should be run during off hours. The suggested
   time is 1 o'clock in the morning.

   ** CAUTION: Check with IRM to make sure the
               job has not already been queued.


Continue? N// YES

Enter date/time: MAR 7,1997@01:00// <RET> (MAR 07, 1997@01:00)

Task Queued !


Select Facility Cost Management Option: <RET>
```

One Day Compile/Recompile Cost Data

PSXCOST

This option compiles or recompiles cost data for a day specified by the user.

If a background job is queued to run or is running that compiles or purges cost data for the same date range you have selected or for dates that overlap your date range, you **cannot** queue your compile/recompile job.

Example: One Day Compile/Recompile Cost Data

```
Select CMOP System Management Menu Option: Facility Cost Management

Select Facility Cost Management Option: One Day Compile/Recompile Cost Data

Date: T-1  (FEB 15, 1997)

Are you sure? N// YES


One Day data compilation queued from Feb 15,1997 to Feb 15, 1997.
Requested Start Time: NOW// <RET> (FEB 15, 1997@08:20:39)

Task Queued !


Select Facility Cost Management Option: <RET>
```

Purge Cost Data

PSXCOST

This option deletes data from the CMOP COST STATS file (#552.5). The data for the oldest date is deleted through a date specified by the user.

If a background job is queued to run or is running that compiles or purges cost data for the same date range you have selected or for dates that overlap your date range, you **cannot** queue your purge job until the background job has completed.

Data for three **complete** months will remain in the file.

Example 1: Purge Cost Data

```
Select CMOP System Management Menu Option: Facility Cost Management


Select Facility Cost Management Option: Purge Cost Data

Data for three complete months must remain in the cost file.
          JAN 1996 through JUN 1996 can be purged.

Purge data from JAN 1996 through: 6 96  (JUN 1996)

Purge from JAN 1996 to JUN 1996

Are you sure? N// YES

Requested Start Time: NOW// <RET> (OCT 12, 1996@14:26:53)

Task Queued !


Select Facility Cost Management Option: <RET>
```

Example 2: Purge Cost Data

```
Select CMOP System Management Menu Option: Facility Cost Management

Select Facility Cost Management Option: Purge Cost Data

The cost file contains data beginning with JUL 1996.

Data for three complete months must remain
in the cost file. No data can be purged.

Select Facility Cost Management Option: <RET>
```

Update Rx COST in Master Database

PSXCOST

This option is a background job and is used to update the drug costs in the CMOP MASTER DATABASE file (#552.4).

Example: Update Rx COST in Master Database

```
Select Facility Cost Management Option: Update Rx COST in Master Database

Enter Begin Date :  T-10  (FEB 27, 1997)

Enter End Date :  T  (MAR 08, 1996)
Requested Start Time: NOW// <RET> (MAR 08, 1997@10:33:30)

Job Queued


Select Facility Cost Management Option: <RET>
```

Archive CMOP Data

This is the master archive menu for CMOP MASTER DATABASE file (#552.4) and CMOP REFERENCE file (#552.1).

Archive Monthly CMOP Data
Purge Archived CMOP Data
Retrieve Archived CMOP Data

Archive Monthly CMOP Data

- Be sure to record the tape number on the tape label. The tape index number consists of two parts:
-
  1) 29705 - The year/month being archived in FileMan format.
  2) 1 - The sequence number of the tape being used. If more than one tape is required for a month then 297051 is incremented to 297052.
- Start and end times are provided so that you can compute how much time it will take to complete subsequent archives.
- When the data is archived, the original files are marked "uneditable," so be sure you want to archive the data you have selected before you commit. You can archive the same data twice, though. In this instance the tape number will be the same except for the last digit which will be incremented by one.

Example: Archive Monthly CMOP Data

```
Select Archive CMOP Data Option: Archive Monthly CMOP Data
ENTER MONTH/YEAR TO ARCHIVE :  02/97// <RET>
               CMOP MASTER DATABASE ARCHIVE


Do you want to continue? :  (Y/N): NO// YES


Select Tape Drive: [Select Tape Drive]
//   REWIND? NO// Y  (YES)

     CMOP MASTER DATABASE ARCHIVE       MAR 20,1997@08:45:56

Recording data on tape # 297021. Write this number on the tape label!!


TRANSMISSION #      TOT ORDERS      TOT Rx's
521-1                        1             2
521-2                        7            15
521-3                        4             7

Total # of Transmissions Archived: 3
Total # of Rx's Archived         : 24
Total Bytes Archived             : 6054
Completed: MAR 20,1997@08:46   Closing Tape Device...


Select Archive CMOP Data Option: <RET>
```

Purge Archived CMOP Data

This option is used to purge data that has already been archived from the CMOP MASTER DATABASE file and the CMOP REFERENCE file.

Example: Purge Archived CMOP Data

```
Select Archive CMOP Data Option: Purge Archived CMOP Data

ENTER MONTH/YEAR TO PURGE :  11/97// <RET>

               CMOP MASTER DATABASE PURGE


Total transmissions to be purged  : 2
Total orders to be purged         : 3
Total Rx's to be purged           : 6


Do you want to continue? :  (Y/N): NO// YES

Transmission# 521-306 has been purged.

Transmission# 521-307 has not been archived yet and may not be purged.

Select Archive CMOP Data Option: <RET>
```

Retrieve Archived CMOP Data

This option enables you to retrieve archived Rx's from tape.

Example: Retrieve Archived CMOP Data

```
Select Archive CMOP Data Option: Retrieve Archived CMOP Data

Enter Archived CMOP Transmission Number:  521-662
Enter Rx # to report or return for all: ALL// <RET>


Select Printer:    [Select Print Device]


Please mount tape #: 296031
Press Return when ready...<RET>


Select Tape Drive: [Select Tape Drive]//   REWIND? NO// Y  (YES)

     CMOP MASTER DATABASE ARCHIVE       MAR 21,1997@09:38:02
ARCHIVE REPORT FOR TRANSMISSION # 521-662
         by WHITLOCK,HAROLD0  on MAR 21,1997


       Status: CLOSED                        Trans D/T: MAR 22, 1996@09:18:49
 Received D/T: MAR 22, 1996@09:19:11       Closed D/T: MAR 25, 1996@12:28:41
Processed D/T: MAR 25, 1996@11:21:54      Start Seq #: 7
    End Seq #: 9                         Total Orders: 3
   Total Rx's: 12                        Purge Status: PURGE COMPLETE
      Retrans:                           Orig Trans #:
     Division: BIRMINGHAM                   Site Name: BIRMINGHAM, AL.
       Sender: WHITLOCK,HAROLDO

LABEL LOG:
DATE PRINTED                  PRINTED BY
-------------------------------------------------
MAR 25,1996@11:21:54          BURKENSTOCK,PHIL

Rx #             : 15355E          Fill #       : 0         Qty: 77472219.54
Employee Name    : BURKENSTOCK,PHIL
Price/Disp Unit  : 0.003           Drug ID #    : A0022
Release Status   : COMPLETED       Release Type : MANUAL
Rx Status        : PROCESSED       NDC          :
Carrier          :                 Package ID # :
Date Shipped     :
Processed D/T    : MAR 25, 1996@12:28:25  Completed D/T: MAR 25, 1996@12:23:25
Remote Error Cond:
Cancel Reason    :
==========================================================================


Rx #             : 15356D          Fill #       : 0         Qty: 100
Employee Name    : BURKENSTOCK,PHIL
Price/Disp Unit  : 17.300          Drug ID #    : A0505
Release Status   : COMPLETED       Release Type : MANUAL
Rx Status        : PROCESSED       NDC          :
```

```
Carrier          :                 Package ID # :
Date Shipped     :
Processed D/T    : MAR 25, 1996@12:28:25  Completed D/T: MAR 25, 1996@12:23:48
Remote Error Cond:
Cancel Reason    :
==========================================================================


Rx #             : 15368C          Fill #       : 0         Qty: 100
Employee Name    : BURKENSTOCK,PHIL
Price/Disp Unit  :                 Drug ID #    : V0006
Release Status   : COMPLETED       Release Type : MANUAL
Rx Status        : PROCESSED       NDC          :
Carrier          :                 Package ID # :
Date Shipped     :
Processed D/T    : MAR 25, 1996@12:28:25  Completed D/T: MAR 25, 1996@12:24:03
Remote Error Cond:
Cancel Reason    :
==========================================================================


Rx #             : 15103G          Fill #       : 0         Qty: 120
Employee Name    : BURKENSTOCK,PHIL
Price/Disp Unit  : 0.033           Drug ID #    : I0005
Release Status   : COMPLETED       Release Type : MANUAL
Rx Status        : PROCESSED       NDC          :
Carrier          :                 Package ID # :
Date Shipped     :
Processed D/T    : MAR 25, 1996@12:28:25  Completed D/T: MAR 25, 1996@12:24:13
Remote Error Cond:
Cancel Reason    :
==========================================================================


Rx #             : 11597G          Fill #       : 0         Qty: 2
Employee Name    : BURKENSTOCK,PHIL
Price/Disp Unit  : 4.250           Drug ID #    : A0105
Release Status   : COMPLETED       Release Type : MANUAL
Rx Status        : PROCESSED       NDC          :
Carrier          :                 Package ID # :
Date Shipped     :
Processed D/T    : MAR 25, 1996@12:28:29  Completed D/T: MAR 25, 1996@12:24:27
Remote Error Cond:
Cancel Reason    :
==========================================================================
```

[This example has been abbreviated to save space.]

Select Archive CMOP Data Option: **<RET>**

GLOSSARY

Glossary

Action Profile
A list of all active and recently cancelled or expired prescriptions for a patient sorted by classification. This profile also includes a signature line for each prescription to allow the physician to cancel or renew it.

Activity Log
A log, by date, of changes made to or actions taken on a prescription. An entry is made in this log each time the prescription is edited, cancelled, reinstated after being cancelled, or renewed. An entry will be made into this log when the Rx is suspended for CMOP and when the Rx is transmitted to CMOP.

CMOP
Acronym for **C**onsolidated **M**ail **O**utpatient **P**harmacy.

CMOP Event Statuses
A CMOP Rx can have the following statuses:

- **Dispensed** — The Rx was filled and mailed by the CMOP facility.
- **Not Dispensed** — The Rx was not filled by the CMOP facility.
- **ReSubmitted** — The Rx was resubmitted to the CMOP facility.
- **ReTransmitted** — The Rx was retransmitted to the CMOP facility because of a problem with the original transfer.
- **Transmitted** — The Rx has been sent to the CMOP facility for processing

CMOP Indicator
The CMOP indicator is the status of the CMOP Rx in suspense.

DEA
Acronym for **D**rug **E**nforcement **A**gency.

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.
Drug/Drug Interaction	The pharmacological or clinical response to the administration of a drug combination different from that anticipated from the known effects of the two agents when given alone.
Expiration	The date on which a prescription is no longer active.
Host	A host is a CMOP facility that receives prescription data and actually fills and mails the prescriptions to the veteran.
Issue Date	The date on which the prescription was written. This date is usually, but not always, the same as the first fill date. This date cannot be later than the first fill date.
Intranet	A company-wide computer network available via modem that connects users.
Label/Profile Monitor	A file for each printer which records, in the order in which they were printed, the last 1000 labels or profiles printed on that printer. This allows a rapid reprint of a series of labels or profiles which were damaged by a printer malfunction or other event.
Medication Profile	A list of all active or recently cancelled or expired prescriptions for a patient sorted either by date, drug, or classification. Unlike the action profile, this profile is for information only and does not provide a signature line for a physician to indicate action to be taken on the prescription.

Partial Prescription

A prescription which has been filled for a quantity smaller than requested. A possible reason for a partial fill is that a patient is to return to the clinic in ten days but the prescription calls for a thirty day supply. Partials do count as workload but do not count against the total number of refills for a prescription.

PRESCRIPTION INDEX field

The PRESCRIPTION INDEX field of the RX1 segment is the unique key used to identify an individual prescription. It contains the Facility ID, Rx Number, and the Fill Number of a previously received prescription.

Prescription Status

A prescription can have one of nine of the following statuses.

Active

A prescription with this status can be filled or refilled.

Cancelled

This status is used when a prescription was made inactive either by a new prescription or by the request of a physician.

Deleted

This status is used when a prescription is deleted. Prescriptions are no longer physically deleted from the system, but marked as deleted. Once a prescription is marked deleted no access is allowed other than view.

Expired

This status indicates the expiration date has passed.

Note: A prescription which was cancelled or has expired more recently than the date specified by the cutoff date, typically 45 days in the past, can still be acted upon.

Hold	A prescription that was placed on hold due to reasons determined by the pharmacist.
Non-verified	Depending on a site parameter, prescriptions entered by a technician do not become active until they are reviewed by a pharmacist. Until such review, they remain non-verified and cannot be printed, cancelled or edited except through the *Verification* menu.
Pending Due to Drug Interactions	This status is given to prescriptions when a drug/drug interaction is encountered during the new order entry or editing of a prescription.
Refill	A second or subsequent filling authorized by the provider.
Suspended	A prescription which will be filled at some future date.
Remote Medical Center	A remote medical center is a VAMC outpatient pharmacy that transmits prescription data to the host CMOP for filling and mailing.
Reprinted Label	Unlike a partial prescription, a reprint does not count as workload.
Sig	The instructions printed on the label.
Significant	The potential for harm is either rare or generally known so that it is reasonable to expect that all prescribers have taken this information into account.
Suspense	A prescription may not be able to be filled on the day it was requested. When the prescription is entered, a label is not printed. Rather, the prescription is put in the RX SUSPENSE file (#52.5) to be printed at a later date.
V*IST*A	Acronym for **V**eterans Health **I**nformation **S**ystems and **T**echnology **A**rchitecture.

APPENDICES

Appendix A: Interface Message Examples

Interface Log Messages

☞ XXX-XXX = Transmission #
XXX-XXX-XXX = Order #
xx = Query #

ACK

ACK1 ACK message never received for order #XXX-XXX-XXX

ACK2 EOT received with no terminator while waiting for ACK message

ACK3 EOT received while waiting for ACK message

ACK4 ENQ received with no terminator while waiting for ACK message

ACK5 Unexpected character received: _$S(X>31:$C(X),1:)_ (_X_) while waiting for ACK message

ACK6 Timeout Timer D reading ACK message

ACK7 ACK message longer than 240 characters

ACK8 ACK message did not end with ETX

ACK9 ACK was null

ACK10 Timeout reading ACK checksum

ACK11 ACK checksum contained an invalid hex digit (_X_)

ACK12 ACK checksum does not match

ACK13 Order #XXX-XXX-XXX was rejected by CMOP

ACK14 ENQ received with no terminator

ACK15 MSA order # did not match XXX-XXX-XXX # expected

Send Messages

Transmission # XXX-XXX finished downloading.

Downloading Transmission # XXX-XXX

Batch Header Rejected by Vendor for Transmission XXX-XXX

Batch Header for transmission XXX-XXX rejected max times. DHCP Stopping interface.

SND1 Timer A timeout after sending a line of text.

SND2 ACK Received with bad block number after sending line of text, ASCII (_$G(X)_) _X
Expected ASCII (_$G(PSXBLK)_).

SND3 NAK Received with no terminator after sending a line of text.

SND4 NAK Received after sending a line of text.

SND5 EOT Received with no terminator after sending a line of text.

SND6 Garbage received after sending a line of text. (_X_)

SND7 EOT Received, aborting send.

SND8 Aborting Send. Error processing order
XXX-XXX-XXX. Text: _PSXTXT

SND9 ACK,_$G(PSXBLK)_ received with no terminator after sending a line of text.

STP Stopping the interface now

Master Messages

MST1 ENQ received with no terminator while Bidding for Master status.

MST2 NAK received with no terminator while Bidding for Master status.

MST3 ACK without 0 received while Bidding for Master status.

MST4 Garbage received while Bidding for Master status.

MST5 NAK received while Bidding for Master status.

MST6 No response from CMOP while Bidding for Master Status

MST7 Simultaneous bid for Master status by CMOP and DHCP.

MST8 ACK received with no terminator while Bidding for Master status.

MST9 CMOP won't respond, waiting 45 seconds to try again

Query Messages

QUERY # XX initiated._$G(PSXQRYA)

QUERY # XX completed._$G(PSXQRYA)

QRY1 QRY message never received for Query # XX

QRY2 EOT received with no terminator while waiting for QRY message

QRY3 EOT received while waiting for QRY message

```
QRY5 Unexpected character received: _$S(X>31:
$C(X),1:)_ (_X_) while waiting for RY message

QRY5 Unexpected character received: _X_

QRY6 Timeout Timer D reading RY message

QRY7  QRY message longer than 240 characters

QRY8  QRY message did not end with ETX

QRY9  QRY was null

QRY10 Timeout reading QRY checksum

QRY11 QRY checksum contained an invalid hex digit (_X_)

QRY12 QRY checksum does not match

QRY13 Message # XX was rejected by OM CS

QRY14 ENQ received with no terminator

QRY15 MSA message ID did not match PSXQRYID #  expected

QRY16 Block count greater than 7.

QRY17 Wrong Block count received.

QRY18 Maximum retries reached for receiving  message.

QRY19 Maximum Rxs received, Query terminated.

QRY20 No activity on line continuing to  monitor.
```

Example of a CMOP Rx Label (Part 1)

(Bottle Label)

VAMC A NYWHERE, AL 35208-1234
500 (205) 2911111 (540/)
15096 SEP 5,1994 Fill 1 of 12
BONEBRAKE,D.J. 48-9042
AS DIRECTED

HOWARD,C.
Qty: 10 TAB
IBUPROFEN 600 TAB

600 BEACON PKWY
BIRMINGHAM, AL 35208-1234

FORWARDING AND RETURN POSTAGE GUARANTEED

CRITICAL MEDICAL SHIPMENT

BONEBRAKE,D.J.
201 EVERY WHERE DRIVE
WELLINGTON, AL 35555

(Patient Copy)

VAMC A NYWHERE, AL 35208-1234
500 (205) 2911111 (540/)
15096 SEP 5,1994 Fill 1 of 12
BONEBRAKE,D.J.48-9042
AS DIRECTED

HOWARD,C.
Qty: 10 TAB
IBUPROFEN 600 TAB
11 Refills remain prior to MAR 5,1995
COPAY Days Supply: 1

521-51272 886425

201 EVERY WHERE DRIVE
WELLINGTON, AL 35555

* Indicate address change on back of this form
[ ] Permanent
[ ] Temporary until __/__/_____.

Signature _____

(Pharmacist Copy)

500 (540/) SEP 12,1994@14:57
10596 SEP 5,1994 Fill 1 of 12
BONEBRAKE,D.J.48-9042
AS DIRECTED

HOWARD,C.
Qty: 10 TAB
IBUPROFEN 600MG TAB
Mfg _____ Lot# _____
Tech _____ RPh _____.

Routing: MAIL
Days supply: 1 Cap:SAFETY
Isd: SEP 5,1994 Exp: MAR 5,1995
Last Fill: N/A
Pat. Stat. SC Clinic:1 WEST
WARNING: 1,3

521-51272 886425

Example of a CMOP Rx Label (Part 2)

(Multi Rx Documents)

BONEBRAKE,D.J. 243-48-9042
201 EVERY WHERE DRIVE
WELLINGTON,AL 35555
Please check prescriptions to be refilled
(_) IBUPROFEN 200MG TAB
5 Epires 12/25/94 Rx# 17739A
521-51188 135790

(_) NIACIN 100MG TAB
3 Expires 12/25/94 Rx# 10232E
521-51194 124680

(_) PENICILLIN G POTASSIUM 2000000
2 Expires 12/25/94 Rx# 11232B
521-51196 135793

(_ _ _

Example of a CMOP Rx Label (Part 3)

(Return Mail Labels)

Pharmacy Service (888)
REGION 1 CMOP (C)
700 BEACH BLVD
ANYWHERE, AL

Use the above to mail the computer copies back to us. Apply enough postage to your envelope to ensure delivery.

(Patient Instructions)

BONEBRAKE,D.J. 243-48-9042

K 4 7 2 4 3 4 8 9 0 4 2 Q 5

For Refillable Prescriptions:
1. You will receive a computer copy of each refillable prescription.
2. Mail the computer copy to the pharmacy, using the label provided, as soon as possible to receive more medication.

For Non-Refillable Prescription:
1. A computer copy will be sent to you with a place for your doctor to sign if he wants you to continue on the same medication.
2. Please take the computer copy to your doctor for his signature OR he may write a new prescription on his own form.

(Copay)

The above prescriptions may be eligible for Copayment charges. Please contact Fiscal service if you have any questions.

(Suspense Notification)

243-48-9042
BONEBRAKE,D.J.
201 EVERY WHERE DRIVE
WELLINGTON, AL 35555

The following prescriptions will be mailed to you at a future date.

Rx#	Drug
11748	HALOPERIDOL 20MG TAB
11757	ISONIAZID 100MG TAB

Example of a CMOP Rx Label (Part 4)

(Non Refillable)

FORWARDING AND RETURN POSTAGE GUARANTEED

CRITICAL MEDICAL SHIPMENT

BONEBRAKE,D.J.
201 EVERY WHERE DRIVE
WELLINGTON, AL 35555-1234

*NO REFILLS REMAINING**FOR PHYSICIAN USE ONLY *
Signature: _ _ _ _ _ _ _ _ _ _ _ _ _ _ _ _SC NSC
*Print Name: _ *
*DEA or VA# _ _ _ _ _ _ Date _ _ _ _ _ _ _ _ _ _ *
*Refills: 0 1 2 3 4 5 6 7 8 9 10 11 **
***** To be filled in VA Pharmacies only *****

201 EVERY WHERE DRIVE
WELLINGTON, AL 35555-1234

*Indicate address change on back of this form

[ ] Permanent [ ] Temporary until /_ _/ _ _ _ _

Routing: MAIL
Days Supply:30 Cap: SAFETY
Isd: MAR 8,1995 Exp: APR 7,1995

Last fill: 03/08/95
Pat. St SC Clinic: CARDIOLOGY

3 521-512739 8776

Appendix C: Marking CMOP Drugs When a New Dispense Unit Is Required

The following method is used by several facilities to ease the process of marking CMOP drugs when a new dispense unit is required. There are several ways to complete this process and this is an example of just one method several sites have found helpful.

Action to be Taken	Example
1. Select the *CMOP Drug/Item Management* option.	Select CMOP Site Manager Menu Option: **CMOP D**rug/Item Management
2. Next select the *Drug Enter/Edit* option.	Select CMOP Drug/Item Management Option: **DRUG E**nter/Edit
3. Enter the old generic drug name. *[The dispense unit is one box.]*	Select DRUG GENERIC NAME: **H3616 HOLLISTER #3616 5'S** XA402 DRAINABLE POUCH/CONVEX BARRIER 1 1/2"
4. Mark the drug as an outpatient pharmacy item.	DO YOU WANT TO MARK THIS DRUG AS AN Outpatient Pharmacy ITEM? YES// **Y** (YES)
5. Edit the old drug name. *[At this point, replace the first letter of the drug name with a lower case z plus the first letter of the drug name so it will not appear again unless requested.]*	GENERIC NAME: HOLLISTER #3616 5'S// Replace **H** With **zH** Replace zHOLLISTER#3616 5'S
6. Exit the option by entering an up-arrow (^) at the "MESSAGE" prompt. This will return you to the "Select DRUG GENERIC NAME" prompt.	MESSAGE: DRAINABLE POUCH/CONVEX BARRIER 1 1/2" Replace **^**

Action to be Taken	**Example**
7. Enter the new drug name. *[Since this name will be overwritten with the VA Print name it can be named anything you prefer.]*	Select DRUG GENERIC NAME: **HOL3616** ARE YOU ADDING 'HOL3616' AS A NEW DRUG (THE NTH)? **Y** (YES) DRUG NUMBER: 6528//**<RET>** DRUG VA CLASSIFICATION: **<RET>** DRUG FSN: **<RET>** DRUG NATIONAL DRUG CLASS:**<RET>** DRUG NON-FORMULARY:**<RET>** DRUG INACTIVE: **<RET>** DRUG MESSAGE: **AVAILABLE AT CMOP.** DRUG RESTRICTION: **<RET>**
8. Again mark the new drug as an outpatient pharmacy item.	DO YOU WANT TO MARK THIS DRUG AS AN Outpatient Pharmacy ITEM? NO// **Y** (YES)
9. Enter an up-arrow (^) to exit the option.	GENERIC NAME: HOL3616// **^** Select DRUG GENERIC NAME: **^**
NEXT. . .	
10. Enter VA FileMan. *[If you do not have access to VA FileMan, give a list to your IRM contact displaying the name of the drug data is to be transferred from and the name of the drug you wish the data to be transferred to.]*	Select CMOP Drug/Item Management Option: **^^FM** VA FileMan VA FileMan Version 20.0
11. Select the *Transfer Entries* option.	Select VA FileMan Option: **TRANSFER ENTRIES**
12. Then select the *Transfer File Entries* option.	Select TRANSFER OPTION: **TRANSFER FILE ENTRIES**

Action to be Taken	**Example**
13. Enter DRUG into the "INPUT TO WHAT FILE " prompt.	INPUT TO WHAT FILE: **DRUG** (4046) TRANSFER FROM FILE: DRUG// **<RET>**
14. Enter the new drug in the "TRANSFER DATA INTO WHICH DRUG" prompt.	TRANSFER DATA INTO WHICH DRUG: **HOL3616** *[This is the new drug.]*
15. Enter the name of the old drug at the "TRANSFER FROM DRUG" prompt.	TRANSFER FROM DRUG: **zHOLLISTER#3616** *[This is the old drug.]*
16. Do not delete the old entry.	WANT TO DELETE THIS ENTRY AFTER IT'S TRANSFERRED? NO// **<RET>** ...EXCUSE ME, THIS MAY TAKE A FEW MOMENTS...
17. ****IMPORTANT**** Do not update the pointers. *[This will edit all the prescriptions on file to the new drug, but **will not** edit the quantity.]*	SINCE THE TRANSFERRED ENTRY MAY HAVE BEEN 'POINTED TO' BY ENTRIES IN THE 'DRUG' FILE,ETC., DO YOU WANT THOSE POINTERS UPDATED (WHICH COULD TAKE QUITE A WHILE)? NO// **<RET>**
NEXT. . .	
18. Again select the *CMOP Drug/Item Management* option.	Select CMOP Site Manager Menu Option: **CMOP D**rug/Item Management
19. Next select the *Drug Enter/Edit* option.	Select CMOP Drug/Item Management Option: **DRUG E**nter/Edit
20. Enter the old drug name at the "Select DRUG GENERIC NAME" prompt.	Select DRUG GENERIC NAME: **zHOLLISTER#3616 5'S**

Action to be Taken	**Example**
21. Mark the drug as an outpatient pharmacy item.	DO YOU WANT TO MARK THIS DRUG AS AN Outpatient Pharmacy ITEM? NO// **Y** (YES)
22. Press return (**<RET>**) at the "GENERIC NAME" prompt.	GENERIC NAME: zHOLLISTER#3616 5'S Replace **<RET>**
23. Enter a message. *[This step is optional, but several medical centers have found it to be helpful for their Automated Data Processing Applications Coordinator (ADPAC.) When a drug is selected and this message appears, it should indicate to the user that the incorrect drug has been selected.]*	MESSAGE:****INACTIVE****
24. Enter ^SYNONYM to jump to the SYNONYM field.	VA CLASSIFICATION: XA402// **<RET>** DEA,SPECIAL HDLG: S// **^SYNONYM**
25. Enter the @ sign to delete all the synonyms from the old drug. *[This is necessary to prevent calling up the old drug instead of the new one.]*	Select SYNONYM: H3616// **@** SURE YOU WANT TO DELETE THE ENTIRE 'H3616'SYNONYM? **Y** (YES) SELECT SYNONYM: **<RET>** *[This option has been abbreviated to save space.]*
26. At the "INACTIVATE DATE" prompt, enter today's date to inactivate the old drug.	INACTIVATE DATE: **T** (OCT 26, 1996)
27. Enter an up-arrow (^) at the "REORDER LEVEL" prompt to take you back to the "Select DRUG GENERIC NAME" prompt.	REORDER LEVEL: **^**
28. Select the new drug.	Select DRUG GENERIC NAME: **HOL3616** XA402 Available at CMOP

Action to be Taken	**Example**
29. Accept the default of YES at the "DO YOU WANT TO MARK THE DRUG AS AN Outpatient Pharmacy ITEM" prompt.	DO YOU WANT TO MARK THIS DRUG AS AN Outpatient Pharmacy ITEM? YES// **<RET>**
30. Continue to press return (**<RET>**) through the option.	GENERIC NAME: HOL3616// **<RET>** *[This option has been abbreviated to save space.]*
31. Edit the DISPENSE UNIT and the DISPENSE UNITS PER ORDER UNIT to reflect the requirements of the VA Print Name	DISPENSE UNIT: BOX// **EA** DISPENSE UNITS PER ORDER UNIT: 1// **5**
32. Continue to press return (**<RET>**) to exit the option.	*[This option has been abbreviated to save space.]*
33. Select the *CMOP Mark/Unmark (Single drug)* option from the *CMOP Drug/Item Management* menu. The drug can now be marked for CMOP. It does not have to be matched to the NATIONAL DRUG file (#50.6) (NDF) if the old drug was matched. If it was not matched, you will have to match, verify, and merge the drug in NDF.	Select CMOP Drug/Item Management Option: **CMOP M**ark/Unmark (Single drug) This option allows you to choose entries from your drug file and helps you review your NDF matches and mark individual entries to send to CMOP. If you mark the entry to transmit to CMOP, it will replace your Dispense Unit with the VA Dispense Unit. In addition, you may overwrite the local drug name with the VA Print Name and the entry will remain uneditable.
34. Enter the name of the new drug.	Select DRUG GENERIC NAME: **HOL3616** XA402 Available at CMOP

Action to be Taken	**Example**
35. Information will display for the new drug.	Local Drug Generic Name: HOL3616 ORDER UNIT: BX DISPENSE UNITS/ORDER UNITS: 5 DISPENSE UNIT: EA VA Print Name: POUCH,DRAINABLE,FIRST CHOICE H#3616 VA Dispense Unit: EA VA Drug Class: XA402
36. Enter YES to mark the drug to transmit to the CMOP.	Do you wish to mark this drug to transmit to CMOP? Enter Yes or No: **Y**ES
37. Enter a quantity dispense message to assist the user inputting the prescription information.	QUANTITY DISPENSE MESSAGE: **5EA = 1 BOX = 30 DAY SUPPLY**
38. Enter YES to overwrite your local name.	Do you wish to overwrite your local name? Enter Yes or No: **Y**ES
39. Press return (**<RET>**) to exit the *CMOP Mark/Unmark (Single drug)* option	Select DRUG GENERIC NAME:**<RET>**
NEXT. . .	
40. Select the *CMOP Drug/Item Management* option.	Select CMOP Site Manager Menu Option: **CMOP D**rug/Item Management
41. Select the *Drug Enter/Edit* option.	Select CMOP Drug/Item Management Option: **DRUG E**nter/Edit
42. Select the new drug generic name.	Select DRUG GENERIC NAME: **HOL3616** POUCH,DRAINABLE,FIRSTCHOICE H#3616
43. Mark the drug as an outpatient pharmacy item.	DO YOU WANT TO MARK THIS DRUG AS AN Outpatient Pharmacy ITEM? NO// **Y** (YES)

Action to be Taken	**Example**
44. Press return (**<RET>**) at the "GENERIC NAME" and "MESSAGE" prompts.	GENERIC NAME: POUCH,DRAINABLE,FIRSTCHOICE H#3616 Replace **<RET>** MESSAGE: Available at CMOP// **<RET>**
45. Enter a quantity dispense message to assist the user inputting the prescription information.	QUANTITY DISPENSE MESSAGE: **5EA = 1 BOX = 30 DAY SUPPLY**
46. Exit the *Drug Enter/Edit* option.	VA CLASSIFICATION:XA402// **<RET>** DEA, SPECIAL HDLG:S// **^**

Appendix D: Flowchart for Processing a CMOP Prescription

A single line border indicates that the action is a MEDICAL CENTER ACTIVITY.

A double line border indicates that the action is a HOST CMOP ACTIVITY.

Rx Entered at Medical Center
Rx Screened for CMOP Criteria
Drug Marked for CMOP in DRUG file (#50)
Mail-No CMOP
No Tradename
Rx Meets CMOP Criteria

↓

Suspended for CMOP Transmission in RX SUSPENSE file (#52.5)

↓

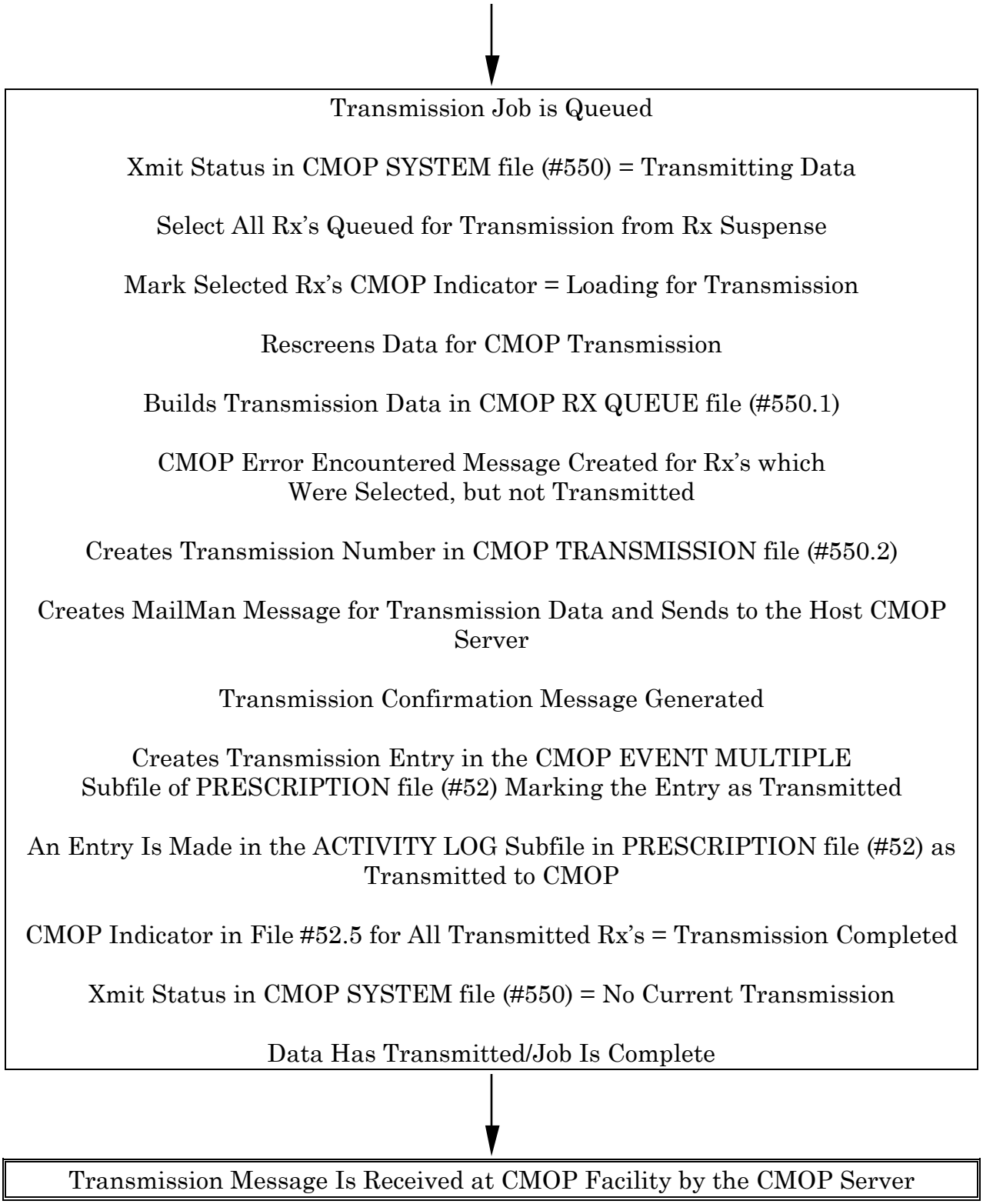
CMOP INDICATOR field in RX SUSPENSE file (#52.5) = Queued for Transmission

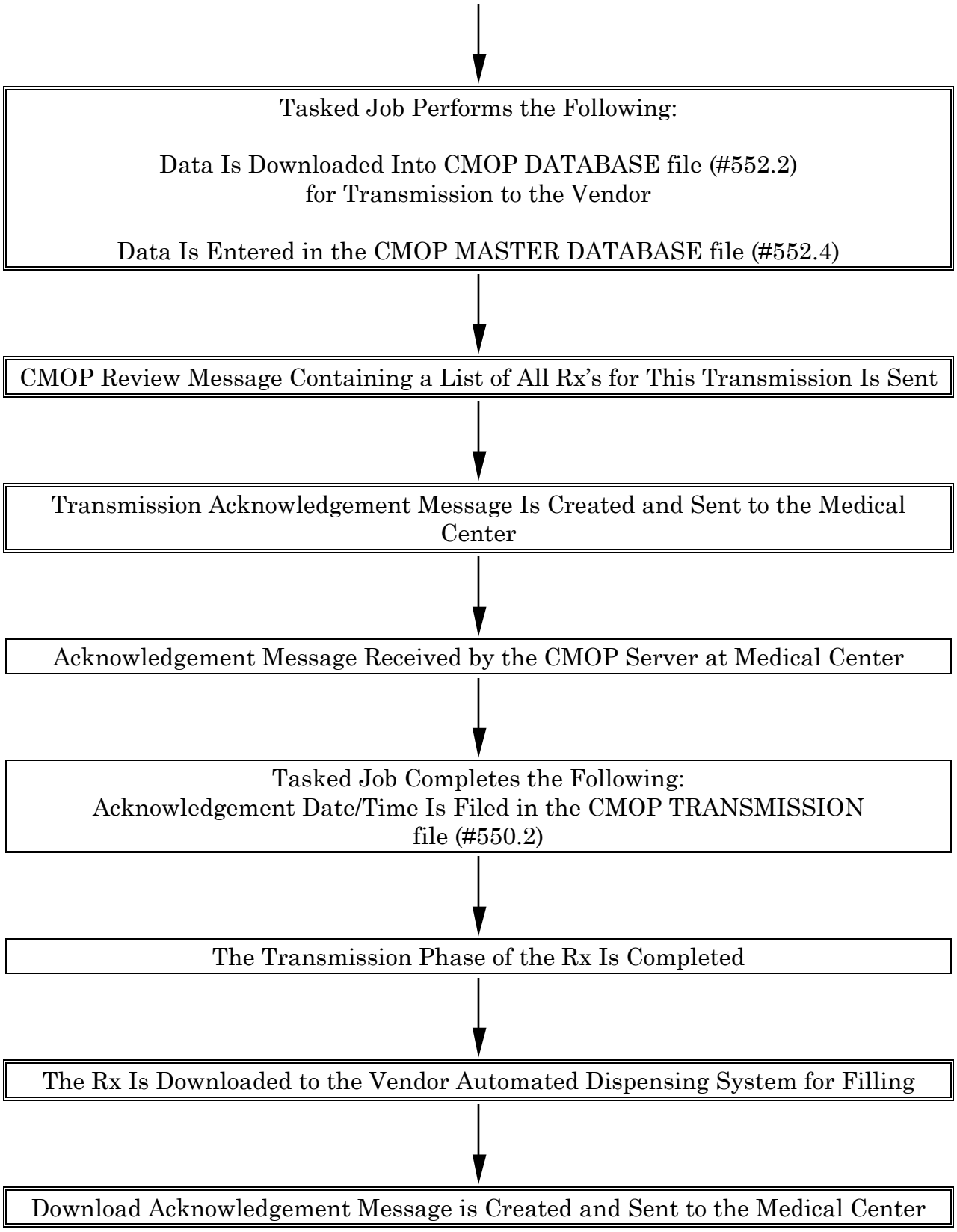
↓

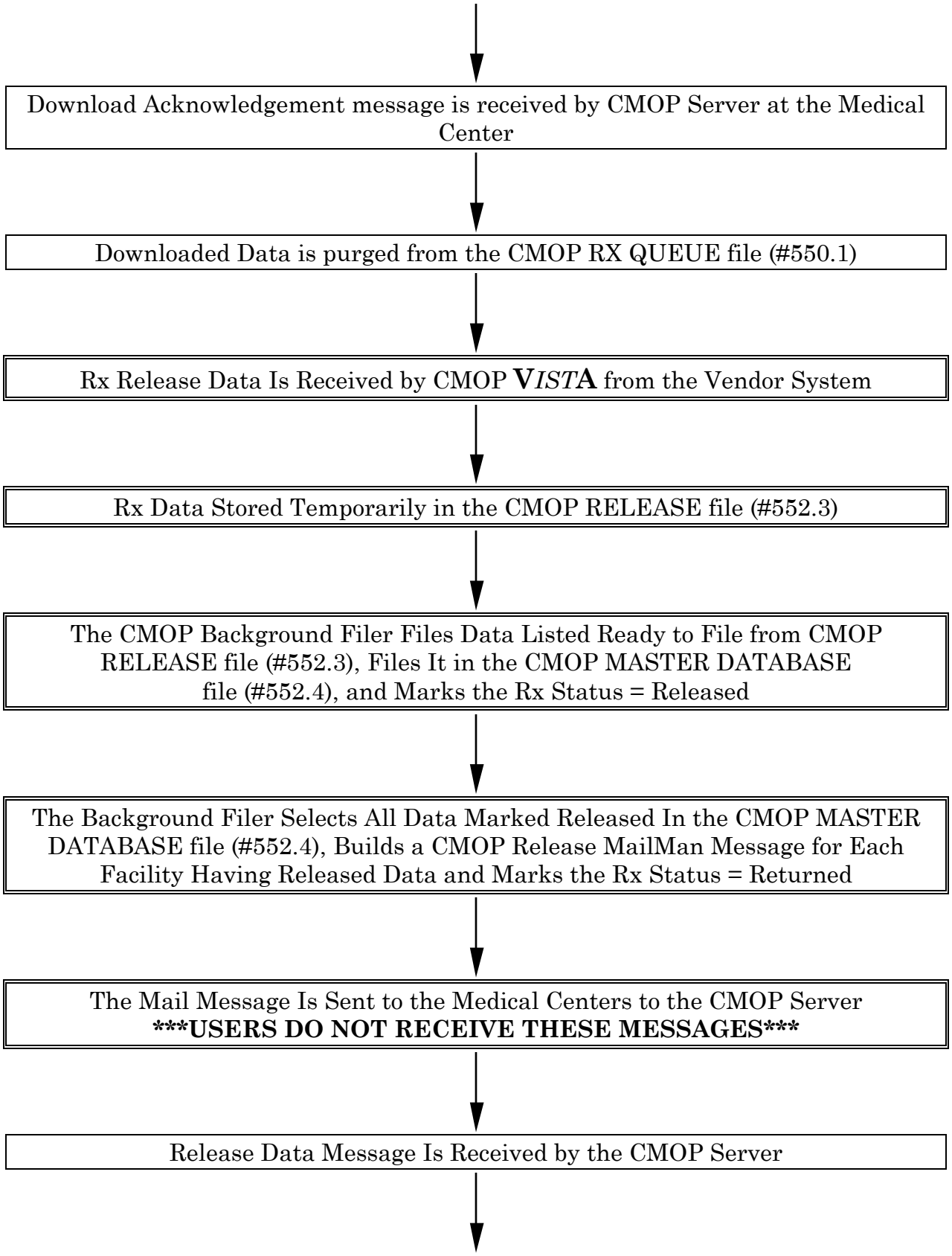
Activity Log in file #52=Suspended for CMOP Transmission

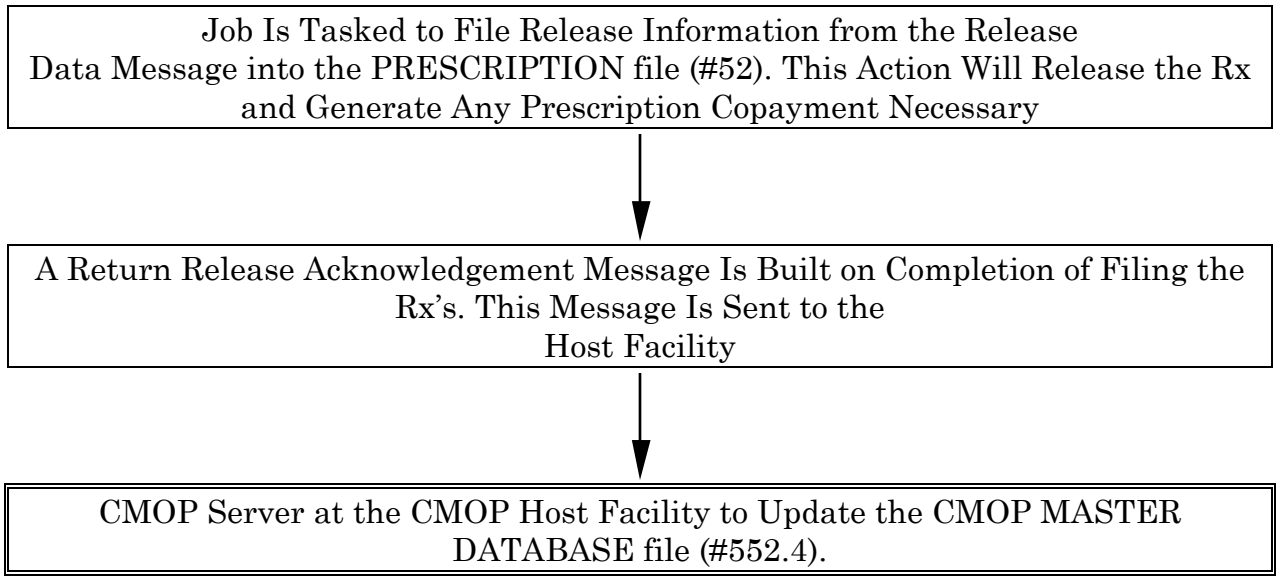
↓

User Selects Initiate A Transmission
TRANSMIT DATA THRU TODAY// **<RET>**
ARE YOU SURE YOU WISH TO CONTINUE ? NO//**Y**ES


Transmission Job is Queued
Xmit Status in CMOP SYSTEM file (#550) = Transmitting Data
Select All Rx's Queued for Transmission from Rx Suspense
Mark Selected Rx's CMOP Indicator = Loading for Transmission
Rescreens Data for CMOP Transmission
Builds Transmission Data in CMOP RX QUEUE file (#550.1)
CMOP Error Encountered Message Created for Rx's which Were Selected, but not Transmitted
Creates Transmission Number in CMOP TRANSMISSION file (#550.2)
Creates MailMan Message for Transmission Data and Sends to the Host CMOP Server
Transmission Confirmation Message Generated
Creates Transmission Entry in the CMOP EVENT MULTIPLE Subfile of PRESCRIPTION file (#52) Marking the Entry as Transmitted
An Entry Is Made in the ACTIVITY LOG Subfile in PRESCRIPTION file (#52) as Transmitted to CMOP
CMOP Indicator in File #52.5 for All Transmitted Rx's = Transmission Completed
Xmit Status in CMOP SYSTEM file (#550) = No Current Transmission
Data Has Transmitted/Job Is Complete
Transmission Message Is Received at CMOP Facility by the CMOP Server


Tasked Job Performs the Following:
Data Is Downloaded Into CMOP DATABASE file (#552.2) for Transmission to the Vendor
Data Is Entered in the CMOP MASTER DATABASE file (#552.4)
CMOP Review Message Containing a List of All Rx's for This Transmission Is Sent
Transmission Acknowledgement Message Is Created and Sent to the Medical Center
Acknowledgement Message Received by the CMOP Server at Medical Center
Tasked Job Completes the Following:
Acknowledgement Date/Time Is Filed in the CMOP TRANSMISSION file (#550.2)
The Transmission Phase of the Rx Is Completed
The Rx Is Downloaded to the Vendor Automated Dispensing System for Filling
Download Acknowledgement Message is Created and Sent to the Medical Center


Download Acknowledgement message is received by CMOP Server at the Medical Center
Downloaded Data is purged from the CMOP RX QUEUE file (#550.1)
Rx Release Data Is Received by CMOP VISTA from the Vendor System
Rx Data Stored Temporarily in the CMOP RELEASE file (#552.3)
The CMOP Background Filer Files Data Listed Ready to File from CMOP RELEASE file (#552.3), Files It in the CMOP MASTER DATABASE file (#552.4), and Marks the Rx Status = Released
The Background Filer Selects All Data Marked Released In the CMOP MASTER DATABASE file (#552.4), Builds a CMOP Release MailMan Message for Each Facility Having Released Data and Marks the Rx Status = Returned
The Mail Message Is Sent to the Medical Centers to the CMOP Server
USERS DO NOT RECEIVE THESE MESSAGES
Release Data Message Is Received by the CMOP Server


Job Is Tasked to File Release Information from the Release Data Message into the PRESCRIPTION file (#52). This Action Will Release the Rx and Generate Any Prescription Copayment Necessary
A Return Release Acknowledgement Message Is Built on Completion of Filing the Rx's. This Message Is Sent to the Host Facility
CMOP Server at the CMOP Host Facility to Update the CMOP MASTER DATABASE file (#552.4).

Appendix E: CMOP MailMan Messages

The Consolidated Mail Outpatient Pharmacy software generates numerous MailMan messages to notify pharmacy personnel regarding the status of background procedures. Messages received by the host CMOP and the medical centers are included here with a description of the content. All messages are sent to users who hold the CMOP Manager security key (PSXCMOPMGR).

Mail Messages Seen At Remote Medical Centers

1. The **CMOP Activation Request** message is generated when the Outpatient Pharmacy personnel submit a request to activate the medical center facility to do CMOP processing. This message only indicates that a user has selected to activate the site using the CMOP Site Manager option *Activate/Inactivate CMOP Processing*. **Activation does not take place until a response is received from the CMOP host.**

```
Subj: CMOP Activation Request  [#38898] 11 Dec 96 10:03  5 Lines
From: POSTMASTER (Sender: JONES,DIANA)  in 'IN' basket.   Page 1  **NEW**
-------------------------------------------------------------------------------

Request to activate.


CMOP             :  LEAVENWORTH
Requester        :  DIANA JONES
Action Date/Time:  DEC 11,1996@10:03
```

2. The **CMOP Activation Approved** message is returned from the CMOP facility when the CMOP Manager has approved the activation request. At the time of this message, an alert is also generated to all CMOP Manager key holders indicating the approval. At this time, the site becomes active for CMOP processing. **Pharmacy users should sign off the system completely. The users should sign back onto the system after receiving the approval message to set up the appropriate CMOP/Outpatient site parameters. All prescriptions processed after the site parameters are set up for CMOP will be screened and suspended for CMOP if transmission criteria is met.**

.....*An example of this message is shown on the following page*.....

```
Subj: CMOP Activation Approved  [#33619] 09 Feb 97 11:50  6 Lines
From: POSTMASTER                          in 'IN' basket.   Page 1  **NEW**
-------------------------------------------------------------------------------

Request to activate CMOP processing.

CMOP             :  LEAVENWORTH
Approving Offical:  PHIL WOODSTOCK
Action Date/Time :  FEB 9,1997@11:50
Action           :  Approved
```

3. The **CMOP Transmission Confirmation** message is created when medical center CMOP transmission data has been handed to MailMan for delivery to the CMOP host facility. The subject line of the message will include the transmission number. Each **successful** transmission will generate a transmission confirmation message. **If a user initiates a transmission and does not receive a transmission confirmation message, the medical center IRM Service should be contacted for assistance.**

```
Subj: CMOP 521-737 Transmitted  [#38862] 09 Feb 97 08:15  8 Lines
From: POSTMASTER (Sender: WOODSTOCK,PHIL)  in 'IN' basket.   Page 1  **NEW**
-------------------------------------------------------------------------------

  CMOP TRANSMISSION CONFIRMATION:
     Pharmacy Division    :  BIRMINGHAM
     Batch Number         :  521-737
     Transmitted by       :  WOODSTOCK,PHIL
     Date/Time            :  FEB 4,1997@08:15:48
     Total orders/Rx's    :  1/5
     Beginning order #    :  12
     Ending order #       :  12
```

4. The **CMOP Transmission Acknowledgment** message is created by the host CMOP software when the data transmission is received, data is validated, and loaded into safe storage in the CMOP database. This message serves two purposes. Initially the message is delivered to the remote medical center to the PSXMAIL key holders to indicate that the CMOP has successfully received the data transmitted. The message is also delivered to the medical center CMOP server software and is used to file the date and time the data was received at the CMOP in the transmission entry in the CMOP TRANSMISSION file (#550.2). Receipt of **both** the Transmission Confirmation and the Transmission Acknowledgment messages for a single transmission confirm that the data transmitted and downloaded to the CMOP facility successfully.

.....*An example of this message is shown on the following page*.....

```
Subj: CMOP 521-524 Acknowledged.  [#34712] 04 Apr 95 17:17  8 Lines
From: POSTMASTER                            in 'IN' basket.   Page 1  **NEW**
-------------------------------------------------------------------------------

  CMOP TRANSMISSION ACKNOWLEDGEMENT:
     Pharmacy Division    :  BIRMINGHAM
     Batch Number         :  521-737
     Transmitted by       :  WOODSTOCK,PHIL
     Date/Time            :  FEB 4,1997@09:16:43
     Total orders/Rx's    :  1/5
     Beginning order #    :  12
     Ending order #       :  12
```

5. The **CMOP Error Encountered** message is created when medical center CMOP transmission data has been handed to MailMan for delivery to the CMOP host facility. This message is a direct result of the CMOP software screening prescriptions suspended for CMOP during data transmission. **If a problem is detected with a prescription selected for transmission, the prescription is not transmitted to the CMOP, but is noted in this message to the user to provide information to correct the problem**. If the data is corrected as noted in this message, the prescription will be included in the next transmission. If the data problem is not corrected, the prescription will continue to be listed in this message each time a transmission is initiated. **If the data is not corrected the prescription will never be transmitted.** The CMOP Error Encountered message may be sent in varying formats depending on the data problems to be reported. Two examples are shown on the following page..

Example 1

```
Subj: CMOP Error Encountered  [#34392] 11 Dec 96 08:43  16 Lines
From: POSTMASTER (Sender: WHITE,HARRY)  in 'IN' basket.   Page 1  **NEW**
-------------------------------------------------------------------------------

An error has been encountered while processing prescription data for the
Consolidated Mail Outpatient Pharmacy system.

Date/Time    :  DEC 11,1996@08:43
Process      :  Data Validation
Error Type   :  Invalid or missing data

Description  :

RX #     Fill            Data Field

155465A    Original      Duplicate Rx


Action Taken:  Rx's not sent to CMOP but still suspended for transmission.

Recommended action:  Correct invalid data.
```

Example 2

```
Subj: CMOP Error Encountered  [#38880] 05 Dec 96 14:14  21 Lines
From: POSTMASTER (Sender: JONES,DIANA)  in 'IN' basket.   Page 1  **NEW**
-------------------------------------------------------------------------------

An error has been encountered while processing prescription data for the
Consolidated Mail Outpatient Pharmacy system.

Date/Time   :  DEC 5,1996@14:14
Process     :  Transmission of Batch Data
Error Type  :  Invalid or missing data

Description  :

The following data is missing in the OUTPATIENT SITE file.

State
Street Address
City
Zip Code
Area Code
Phone Number

Action Taken:  No data transmission will occur without this information.

Recommended action:  Correct invalid data.
```

6. The **CMOP Inactivation Notice** message is generated when the Outpatient Pharmacy personnel selects to inactivate the medical center using the CMOP Site Manager menu option *Activate/Inactivate CMOP Processing*. **Inactivation of CMOP processing is immediately effective**. **Users who do not sign off and then sign back onto the system when inactivation takes place will continue to do CMOP processing.**

```
Subj: CMOP Inactivation Notice  [#38894] 05 Dec 96 10:57  05 Lines
From: POSTMASTER (Sender: JONES,DIANA)  in 'IN' basket.   Page 1  **NEW**
-------------------------------------------------------------------------------

Inactivation notice sent

CMOP            :  LEAVENWORTH
Requester       :  DIANA JONES
Action Date/Time:  DEC 5,1996@10:57
```

7. The **CMOP Auto-Transmission Schedule** message is generated when the Outpatient Pharmacy personnel use the *Setup Auto-transmission* option from the *CMOP Site Manager* menu to set up an automated transmission schedule to the CMOP host facility. **The message notifies key holders that manual transmissions are not necessary to transmit data**. Transmissions will begin automatically on the date and time indicated and continue for the selected frequency until the transmissions are unscheduled or modified.

```
Subj: CMOP Auto-Transmission Schedule  [#38875] 11 Dec 96 09:32  7 Lines
From: POSTMASTER (Sender: WOODSTOCK,PHIL)  in 'IN' basket.   Page 1  **NEW**
-------------------------------------------------------------------------------

Auto-transmission Schedule.

Auto-transmission Schedule.

Facility                       :  BIRMINGHAM, AL.
Date Initiated                 :  Dec 11, 1996@09:32
Begin Automatic Transmissions  :  Dec 11, 1996@09:32
Number of days to transmit thru:  1
Scheduling Frequency (hours)   :  6
Initiating Official            :  WOODSTOCK,PHIL
```

8. The **CMOP Not Dispensed Rx List** message is generated when release information indicates a prescription has been cancelled (**not dispensed**) by the vendor automated system. The prescription at the remote medical center is marked **not dispensed** in the PRESCRIPTION file (#52). The prescription is not marked with a status of Cancelled. The prescriptions may be filled locally, edited and re-suspended, or resubmitted for CMOP processing. Cancellation reasons are listed with the Rx number and other transmission information to assist the user in correcting the cause of the cancellation and re-submitting the prescription for filling by the CMOP. A separate message is created for each pharmacy division.

```
Subj: CMOP Not Dispensed Rx List  [#38912] 11 Dec 96 11:05  24 Lines

From: POSTMASTER                           in 'IN' basket.   Page 1  **NEW**
-------------------------------------------------------------------------------

Not Dispensed Rx Report for the BIRMINGHAM Division.

The following prescriptions were not dispensed by the vendor:

Patient: COCHRAN,EDDIE                 SSN: 009-87-6543

  Rx #: 11642K (ORG)  Qty: 60  Trans #: 737
  Drug: ISONIAZID 100MG TAB    CMOP Drug ID: I0067
  Reason: QUANTITY OR DISP PROBLEM
```

```
  Rx #: 15634A (ORG)  Qty: 120  Trans #: 737
  Drug: AMINOPHYLLINE 500MG RTL SUPP    CMOP Drug ID: A0214
  Reason: QUANTITY OR DISP PROBLEM

Patient: GOOD,JOHN B.                  SSN: 000-11-2222

  Rx #: 15558A (ORG)  Qty: 120  Trans #: 738
  Drug: ACETAMINOPHEN 325MG TAB    CMOP Drug ID: A0022
  Reason: QUANTITY OR DISP PROBLEM


Instructions:  Prescriptions cannot be processed at CMOP for the reason listed
above.  Please review the prescription and take the appropriate action(s).
If you have any questions, contact your CMOP contact person.
```

9. The **CMOP Acknowledgement not Received** message is sent when a Transmission Acknowledgement message has not been received for a previous transmission after 24 hours. The CMOP software checks each transmission entry in the CMOP TRANSMISSION file (#550.2) 24 hours after the data is transmitted to ensure that the data was received at the CMOP host facility. If an acknowledgement date/time has not been filed for the transmission, this message reminds the key holders that the Transmission Acknowledgement message has not yet been received. The user should first contact the medical center IRM Service and request that the MailMan queue be checked to see if the transmission was sent. If it has been sent, the CMOP Manager at the host facility should be contacted to determine if there is another reason for the delay.

```
Subj: CMOP Acknowledgement not Received  [#38915] 20 fEB 97 15:56  3 Lines
From: POSTMASTER                           in 'IN' basket.   Page 1
-------------------------------------------------------------------------------

An acknowledgement message for transmission # 739 has not been
received within the specified time.  Please contact the CMOP facility
to see if there is a problem.
```

10. The **CMOP Recovery Message** is sent whenever a failed CMOP transmission is detected. This message is simply a notification message that the last transmission did not complete. CMOP recovery procedures were initiated to reset the data so that it will be transmitted in the next transmission for that division.

.....*An example of this message is shown on the following page*.....

```
Subj: CMOP Recovery Message BIRMINGHAM, AL.  [#3288] 21 Feb 97 10:29 CST
  11 Lines
From: <POSTMASTER@BAB.ISC-BIRM.VA.GOV>  in 'IN' basket.   Page 1  **NEW**
-------------------------------------------------------------------------------

The last CMOP transmission did not complete properly. The data for this
transmission will be sent to the CMOP during the next transmission for
that division.

If you have scheduled auto transmissions for CMOP, please check to see
that they are still scheduled for the correct time.

This message is just a notification that problems were detected with the last
transmission and that the data was sent to the CMOP facility for processing.
If you are getting this message frequently, please contact your IRM staff.
Otherwise there is not anything that you need to do.
```

Mail Messages Seen At CMOP Facilities

1. The **CMOP Activation Request** message is generated when the Outpatient Pharmacy personnel submit a request to activate the medical center facility to do CMOP processing. This message is received at the host CMOP facility and notifies the CMOP Manager that a medical center is requesting to activate CMOP processing. An alert is also generated at the time of this message which requires a response from the CMOP Manager before the medical center can begin CMOP processing. This message is also used to update the CMOP NATIONAL SITE file (#552).

```
Subj: CMOP Activation Request  [#38899] 05 Dec 96 10:58  5 Lines
From: POSTMASTER      in 'IN' basket.   Page 1  **NEW**
-------------------------------------------------------------------------------

Request to activate CMOP processing.

Facility         :  BIRMINGHAM, AL.
Requester        :  DIANA JONES
Request date/time:  DEC 5,1996@10:58
```

2. The **CMOP Activation Approval** message is sent to all holders of the key (PSXMAIL) at the host facility. This message notifies the manager that a medical center has now been activated to transmit data to the CMOP.

```
Subj: CMOP Activation Approval  [#38908] 11 Dec 96 10:28  6 Lines
From: POSTMASTER (Sender: WOODSTOCK,PHIL)  in 'IN' basket.   Page 1  **NEW**
-------------------------------------------------------------------------------

Request to activate CMOP processing.

Facility         :  BIRMINGHAM, AL.
Requester        :  PHIL WOODSTOCK
Request date/time:  DEC 11,1996@10:28
Action taken     :  Approved
```

3. The **CMOP Inactivation Notice** is received by the CMOP host facility when the medical center inactivates CMOP processing. This message triggers an inactivation flag in the CMOP NATIONAL SITE file (#552). This flag indicates the medical center is inactive and data cannot be received from that medical center until a request to activate CMOP processing is received by the host and approved by the CMOP manager.

.....*An example of this message is shown on the following page*.....

```
Subj: CMOP Inactivation Notice,BIRMINGHAM,AL. [#38895] 09 Feb 96 11:50 5 Lines
From: POSTMASTER     in 'IN' basket.   Page 1  **NEW**
-------------------------------------------------------------------------------

Notice to Inactivate CMOP Processing.

Facility               :  BIRMINGHAM, AL.
Notifying Official     :  PHIL WOODSTOCK
Notification date/time :  FEB 9,1996@11:50
```

4. The **CMOP (Batch Number) from (Site) Received** message is created when data is downloaded successfully into the CMOP database files at the host facility. This message informs the CMOP personnel that a transmission has arrived and is ready to transfer to the automated vendor system. If the CMOP interface is running when this data is received, it is automatically scheduled and downloaded to the vendor system without delay.

```
Subj: CMOP 521-737 from BIRMINGHAM Received.  [#34543] 04 Feb 95 15:52 8 Lines
From: POSTMASTER (Sender: WOODSTOCK,PHIL)  in 'IN' basket.   Page 1
-------------------------------------------------------------------------------

  CMOP TRANSMISSION RECEIVED:
     Pharmacy Division    :  BIRMINGHAM
     Batch Number         :  521-737
     Transmitted by       :  WOODSTOCK,PHIL
     Date/Time            :  Feb 04, 1997@08:43:44
     Total orders/Rx's    :  1/5
     Beginning order #    :  12
     Ending order #       :  12
```

5. The **CMOP Review # (Batch Number)** message is created on successful receipt of data from the medical center. This message provides a hard copy summary report of all prescriptions included in the transmission.

```
Subj: CMOP Review # 521-737, BIRMINGHAM  [#34227] 11 Dec 97 08:43  9 Lines
From: POSTMASTER                       in 'IN' basket.   Page 1  **NEW**
-------------------------------------------------------------------------------

BIRMINGHAM, AL.     521-737     TRANSMITTED: DEC 11,1996@08:43:29

ORD#     PATIENT          RX#          FILL          DRUG NAME
-------------------------------------------------------------------------------
12   COCHRAN,EDDIE      15525B         ORIG  ACETAMINOPHEN 325MG TAB
                        15634A         ORIG  AMINOPHYLLINE 500MG RTL SUPP
                        15631A         ORIG  AMITRIPTYLINE HCL 75MG TAB
                        15625A         ORIG  AMOXICILLIN 500MG CAP
                        11642K         ORIG  ISONIAZID 100MG TAB
```

6. The **CMOP Auto-Transmission Schedule** message is generated when the Outpatient Pharmacy personnel use the *Setup Auto-transmission* option on the *Transmission Menu* to set up an automated transmission schedule to the CMOP host facility. **The message notifies the host CMOP personnel that the medical center has set up a schedule for automatic transmissions.** Transmissions will begin automatically on the date and time indicated and continue for the selected frequency until the transmissions are unscheduled or modified. This information is recorded in the CMOP NATIONAL SITE file (#552).

```
.
Subj: CMOP Auto-Transmission Schedule, BIRMINGHAM, AL.  [#38881]
11 Dec 96 09:33  7 Lines
From: POSTMASTER (Sender: ABUSTER,FILL)  in 'IN' basket.   Page 1  **NEW**
-------------------------------------------------------------------------------

Auto-Transmission Schedule.

Facility                       :  BIRMINGHAM, AL.
Initiating Official            :  ABUSTER,FILL
Begin Automatic Transmissions  :  Dec 11, 1996@09:32
Scheduling Frequency (hours)   :  6
Number of days to transmit thru:  1
```

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