Existing Product Intake Program (EPIP)

Patches PSO\*7.0\*503 and PSX\*2.0\*82

Remediation Plan



Department of Veterans Affairs

**January 2019**

Version 3.0

Revision History

| Date | Version | Description | Author |
| --- | --- | --- | --- |
| 01/15/2019 | 3.0 | Added information about NSR20171104 *Change Default for CNH prompt.* Updated Descriptions, Code Remediation, and Appendices with new information and coding changes. | EPIP Project Team |
| 10/23/2017 | 2.0 | Updated (draft) version with Patch PSX\*2.0\*82 information. | EPIP Project Team |
| 10/13/2017 | 1.0 | Initial (draft) version. | EPIP Project Team |

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# Introduction

The Department of Veterans Affairs (VA) currently utilizes the Veterans Health Information Systems and Technology Architecture (VistA) suite of applications to provide clinical, financial, infrastructure, and management tools. The process of advancing “Class 3” field-developed VistA software to “Class 1” nationally-distributed status is referred to as the Existing Product Intake Program (EPIP). The VA’s goal is to supplement ongoing activities associated with evaluating and advancing field-developed software to a state that meets national standards and facilitates release for Veterans Health Administration (VHA)-wide use.

# Purpose

The purpose of this document is to fully describe the remediation plan to be used for the successful remediation of the intake product code to be deployed as patches PSO\*7.0\*503 and PSX\*2.0\*82. The NSRs addressed by each patch are listed below.

Patch PSO\*7.0\*503:

* NSR20170708 *Outpatient Pharmacy Default Label Printer*

This NSR has been implemented locally at the Captain James A. Lovell Federal Health Care Center in North Chicago IL, and VA Medical Centers in Milwaukee WI and Salt Lake City UT.

* NSR20160206 *Process Telephone Refills Routine*

This NSR has been implemented at approximately 145 VA Medical Centers across the country.

* NSR20171104 *Change Default for CNH prompt*

This NSR has been implemented locally at several outpatient pharmacy divisions associated with the VA Northern California Health Care System in Mather CA.

Patch PSX\*2.0\*82:

* NSR20170709 *Add Finishing Pharmacist's Name on CMOP Report*

This NSR has been implemented locally at the Hunter Holmes McGuire VA Medical Center in Richmond VA.

This document addresses the schedule, code remediation, testing, documentation, and delivery of this remediation effort.

# Patch Descriptions

PSO\*7.0\*503 provides the following enhancements to VistA:

* Enables changing the default response for the “Select Label Printer:” prompt from “HOME” to the default label printer for the pharmacy division to which the user belongs. This modification eliminates the need to type an entry at the “Select Label Printer:” prompt.

A new Default Label Printer field (#4.1) is added to the Outpatient Site file (#59). This field acts as a parameter to store the default label printer for each Outpatient Pharmacy division.

A Pharmacy Automated Data Processing Application Coordinator (ADPAC) or Pharmacy Informaticist can use the new Outpatient Pharmacy Default Label Printer [PSO DEFAULT LABEL PRINTER] option to change the default label printer specified for each division in the Default Label Printer field (#4.1). This field retrieves data from the Device file (#3.5) and limits the available selections to those printers already configured in the Device file. If no printer is specified, then the default “Select Label Printer: HOME//” displays.

* Standardizes Telephone Refills functionality by replacing a widely distributed local routine with the new PSOVEXRX routine, which is suitable for national release. This modification enables enhancements and updates to the Telephone Refills system to be deployed across the enterprise using the National Patch Module.

When a patient calls to request a telephone refill or renewal, prescription information is added to the AudioCARE vendor array. Prescription refill/renewal information includes the Patient Name, Prescription IEN, Division, and renewal flags, if any; renewal flags include N (Non-Renewable Order), U (Unsigned Order), and I (Unsigned orders not allowed), as well as A (Any provider can renew) and P (only the primary care provider can renew).

When a Pharmacist runs the new PSO Process Telephone Refills [PSO PROCESS TELEPHONE REFILLS] option from the Barcode RX Menu [PSO BARCODE MENU], the information for prescription refills and renewals is pulled from the AudioCARE vendor array into the new PHARMACY TELEPHONE REFILLS file (#52.444). Only refill/renewal prescription requests that do not yet have a processed date are transmitted from the vendor array. The telephone refills system processes prescriptions by refilling, renewing, or marking the order as not processed. These actions result in various processing results that are recorded in the new file. These results include the processed date, in addition to various other flags. This information is then sent back to the AudioCARE vendor array to enable further processing functions by the AudioCARE system.

Whenever the PSO Process Telephone Refills [PSO PROCESS TELEPHONE REFILLS] option is run, the user must select a division for which to process refills and renewals. If a division with no refills/renewals available to process is selected, then the telephone refills system generates a response that no refills/renewals are available, and processing stops. To process refills/renewals for another division, the user must enter the option again and choose a different division. If the user selects a division that does have refills/renewals available for processing, a series of existing prompts refine the prescriptions to be processed, including “Process telephone refill requests at this time? YES//” and “Process telephone refills for all divisions? NO//.” If yes is selected, all prescription requests for all divisions will be processed. The new PROC TEL REFILLS ALL DIVISIONS field (#4.2) in the Outpatient Site file (#59) acts as a parameter to store the default selection for the “Process Telephone Refills for all divisions” prompt, which can be set at the site level to default to either “YES” or “NO.”

The new Clear Processed Telephone Refill Request [PSO PURGE PROCESSED] option is scheduled to run nightly at 04:04. This option purges the new PHARMACY TELEPHONE REFILLS file (#52.444) of prescriptions that have already been processed, as determined by the presence of a processed date in the file. Prescriptions that are not processed remain in the file. Prescriptions might not be processed for any number of reasons; for example, the prescription was not included in the processing request, the renewal flag setting indicates that the prescription is not refillable, or the provider requesting a refill or renewal is not the approved provider. If the system encounters a problem while processing, then a warning message notifies the user that the prescription was not processed.

Note: If the Consolidated Mail Outpatient Pharmacy (CMOP) application is active for a site, then orders that are CMOP-transmittable and already included in a CMOP transmission will not be passed to the AudioCARE array. If a CMOP-transmittable drug refill order is placed, but the order has not yet been transmitted to CMOP, then the order will be added to the vendor array for processing.

* Enables each Outpatient Pharmacy division to modify the default response to the “Allow refills for CNH?” prompt to either “YES” or “NO.” This prompt is used to process refills for Community Nursing Home (CNH) facilities when using any of the following Outpatient Pharmacy options: Process Internet Refills [PSO INTERNET REFILLS], Barcode Batch Prescription Entry [PSO BATCH BARCODE], and Process Telephone Refills [PSO PROCESS TELEPHONE REFILLS].

The existing PROCESS AUTO REFILLS FOR CNH field (#2035) in the Outpatient Site file (#59) stores the default selection for each pharmacy division. The existing Site Parameter Enter/Edit [PSO SITE PARAMETERS] option enables setting the default. If this parameter is not set, then “Allow refills for CNH?” defaults to “NO.”

PSX\*2.0\*82 provides the following enhancement to VistA:

Displays the finishing Pharmacist’s name in two VistA MailMan messages that are sent automatically when the CMOP dispensary rejects a prescription order. When a prescription cannot be processed by CMOP, the system sends a notification message to users that hold the CMOP Manager Security Key [PSXCMOPMGR] or are members of the existing PSX EXTERNAL DISPENSE ALERTS mail group.

One of the messages modified to include the name of the finishing Pharmacist is the “DC Alert on CMOP Rx” message, which is sent when a previously transmitted CMOP prescription is discontinued or when a “Date of Death” is entered in the patient’s record. The other modified message is the “CMOP Not Dispensed Rx List,” which is sent when the CMOP NATIONAL system cannot process an order for any reason.

## Business Epics and Sub-Epics

The Business Epics and Sub-Epics for the NSR(s) addressed in this remediation are:

NSR20170708 *Outpatient Pharmacy Default Label Printer*

* BUSINESS EPIC 919694: Outpatient Pharmacy Default Printer For Labels – For Pharmacists, who process outpatient medication orders, an ability to default to a pre-specified label printer during Outpatient Pharmacy sign-on that is pre-defined based upon the site I am signed in to. Unlike the current system that defaults to the Home device, our process provides a default value that is a valid printer device name corresponding to the site the user is signed in to.

NSR20160206 *Process Telephone Refills Routine*

* BUSINESS EPIC 851820: Nationalize VEXRX Routine – For Pharmacy users, who need to process Telephone Refills utilizing the most current software routines, a process to release updated/enhanced software routines enterprise wide that allows software updates/enhancements to be deployed and implemented in a timely, consistent, standardized manner. Unlike the current process that relies on enhancements and/or updates to be placed into Shop All in FORUM or other random update messages for users to pick up and load the most current VEXRX routine into VistA, our process converts the Class III routine to a Class I for support, updating, distributing in a consistent standardized manner (KIDS builds and patching).

NSR20170709 *Add Finishing Pharmacist's Name on CMOP Report*

* BUSINESS EPIC 920320: Finishing Pharmacist’s Name – For CMOP users, who receive the ‘CMOP Not Dispensed RX List’ or ‘Discontinued CMOP Prescription List’ mailman messages, an ability to see the finishing pharmacist's name within the body of the mailman message that allows me to identify and forward the Rx to the finishing pharmacist. Unlike the current system that does not identify the finishing pharmacist, our process allows quick notification of finishing providers to they can take correction action on the RX, preventing further delay in patients receiving their requested medication.

NSR20171104 Change default for CNH prompt.

* BUSINESS EPIC 954844: When using the ‘Process Internet Refills’ option within the Outpatient Pharmacy application, the ‘Allow refills for CNH?’ prompt defaults to a value of NO. Northern California HCS (Mather) has nine outpatient pharmacy divisions that each need to run this option 2 -4 times per day. Instead of hitting return to accept the default answer, they would need to change this one response each time they run the option. With new employees and multiple people running these options, this is highly error prone. The consequence of an erroneous entry is the patient does NOT get their medication. Therefore, they have modified the default for CNH to YES. Change Default for CNH Prompt comes from waiver request [415243](http://vista.med.va.gov/nsrd/WVTab_WaiverView.asp?IDRPNumber=415243) and is supported by Pharmacy Benefits Management.

# Points of Contact

The VA Point of Contact (POC) for NSR20170708 *Outpatient Pharmacy Default Label Printer* is Jeffrey Teuting ([Jeffrey.Tueting@va.gov](mailto:Jeffrey.Tueting@va.gov)), 414-384-2000, ext. 42147.

The VA POC for NSR 20160206 *Process Telephone Refills Routine* is Rob Silverman ([Robert.Silverman@va.gov](mailto:Robert.Silverman@va.gov)), 708-202-5040.

The VA POC for NSR20170709 *Add Finishing Pharmacist's Name on CMOP Report* is Daniel Lindsey ([Daniel.Lindsey@va.gov](mailto:Daniel.Lindsey@va.gov)), 804-675-6000.

The VA POC for NSR20171104 *Change Default for CNH prompt* is Rob Silverman ([Robert.Silverman@va.gov](mailto:Robert.Silverman@va.gov)), 708-202-5040.

# Code Remediation

Leidos will review and analyze the intake product code for compliance with coding standards, pointers, shared tables, dependencies, and any interference with VistA systems.

## Standards and Conventions

Leidos will reference the <http://go.va.gov/sacc> website for applicable documents and will adhere to VA standards to complete the analysis of this intake product. The output of the VA XINDEX utility will be used to analyze the MUMPS source code and document the affected routines (see Appendix A).

The MUMPS coding standards website <http://71.174.62.16/Demo/AnnoStd> will also be used to ensure that the remediated code conforms to VA standards.

## Review and Analysis

Review and analysis of this intake product involves two parts: 1) verification that the source code changes specified in this document provide the desired effect, and 2) verification that the source code changes do not adversely affect any other VistA or CPRS functionality.

Testing will be performed to validate that the intended effect of these products is implemented, and that no other VistA or CPRS Graphical User Interface (GUI) functionality is adversely affected.

## Coding Changes

The coding changes required for NSR20170708 *Outpatient Pharmacy Default Label Printer* are in the following routines:

**Modified MUMPS routines:** PSOLSET

**New MUMPS routines:** None

The coding changes required for NSR 20160206 *Process Telephone Refills Routine* are in the following routines:

**Modified MUMPS routines:** PSOBBC

**New MUMPS routines:** PSOVEXRX, PSO503P

The coding changes required for NSR20170709 *Add Finishing Pharmacist's Name on CMOP Report* are in the following routines:

**Modified MUMPS routines:** PSXMSGS, PSOUTL

**New MUMPS routines:** PSX82P

The coding changes required for NSR20171104 *Change default for CNH prompt* are in the following routines:

**Modified MUMPS routines:** PSOBBC

**New MUMPS routines:** None

A detailed analysis of the coding changes is provided in Appendix B.

# Testing

Leidos will perform all testing-related activities to ensure that the remediated code meets the expectations of the VA business owner.

## Test Plan

Leidos will configure the test environment, provide code modifications and end-to-end testing, and deliver applicable testing documentation, following Veteran-focused Integration Process (VIP) guidelines.

The Leidos developer will modify the software pursuant to the VA standards defined in the *Standards and Conventions* section of this document, and will conduct full unit testing of the functionality and verify performance of all software code before it is released to Leidos SQA. SQA will then perform all applicable testing types as described in the *Testing Phases* section of this document. The developer and SQA will resolve problems and address issues as they arise during testing and will document issues using the Rational Team Concert (RTC) defect tracking tool.

## Test Environment

Within five working days of approval of this Remediation Plan, the developer will configure the development/test environment on an Austin Information Technology Center (AITC) server or other VA-approved development/test environment used for this intake product and install the remediated Kernel Installation and Distribution System (KIDS) build or host file. The environment will be restored to its original baseline state by the VistA system administrator after development testing is completed, followed by installation of the remediated software.

Upon notification from the developer of test environment readiness, SQA will commence with planned testing activities. The SQA test execution and reporting documentation will reside in the Rational Quality Manager (QM) “EPIP” Project. In order to perform testing of this VistA modification, the following tools will be leveraged: Rational QM, Reflections emulator, CPRS GUI v31A (1.0.31.116), and SnagIt.

## Test Readiness Review

Leidos will conduct a Test Readiness Review (TRR) at the conclusion of unit testing to verify the contents of the software to be tested, the test schedule, test environments, test participants, and associated logistics. Leidos will provide an agenda prior to the TRR and written minutes after completion of the TRR, in accordance with the Performance Work Statement (PWS).

## Testing Phases

Leidos will perform development and SQA testing activities in phases, and will provide all required testing documentation.

### Unit Testing

The developer will conduct unit testing of individual units of source code to determine if they are fit for use.

### Component Integration and Systems Testing (CI/ST)

Component Integration and Systems testing will be conducted by SQA to ensure that connectivity to the VistA application exists and is functioning normally. SQA will record Passed/Failed outcomes and capture displayed content to document the system testing effort.

### Functional Testing

Functional testing will be performed by SQA to test the code modifications. This testing will ensure that the software functionality is in alignment with the Government Furnished Information. SQA will record Passed/Failed outcomes and capture displayed content to document the functional testing effort.

### Regression Testing

Regression testing will be performed by SQA to ensure that the remediated code does not introduce errors to existing functionality. The regression test framework will be kept up-to-date with manual test cases and test scripts defining the inputs and expected outcomes. SQA will record Passed/Failed outcomes and capture displayed content to document the regression testing effort.

### Section 508 Compliance Testing

Section 508 testing will be performed on VistA and CPRS code when new user interface changes are introduced by the developer. The VA-recommended Assistive Technology tool, JAWS, will be used to conduct the 508 testing. Test results and related documentation will be submitted to the VA Section 508 team in accordance with the VA 508 testing requirements. Defects found during testing will be assessed and remediated by the developer.

# Documentation Remediation

Leidos will review existing VA documentation for possible impact as a result of this remediation effort, and will make updates where applicable.

To determine the existing VA documentation that requires modification, Leidos will conduct a thorough review of the documents currently available from the VA Software Document Library (VDL) located at [http://www.va.gov/vdl/](http://www.va.gov/vdl/%20). Keyword searches using terms relevant to this remediation effort will be used to identify documents that might be impacted; those documents will then be reviewed in their entirety for any needed revisions.

The following sections outline the VDL documents to be revised for this remediation.

## User Guides

The following User Guides will be updated in the VDL:

* *Outpatient Pharmacy (PSO) Manager’s User Manual*
* *Outpatient Pharmacy (PSO) Pharmacist’s User Manual*
* *Outpatient Pharmacy (PSO) Technician’s User Manual*
* *Outpatient Pharmacy (PSO) Technical Manual/Security Guide*
* *Consolidated Mail Outpatient Pharmacy (CMOP) User Manual*

## Installation Guides

The *National Patch Module Patch Description* document for this remediation will provide the procedure for installing the KIDS build or host file into the VA Pre-Production environments. Therefore, no Installation Guides will be updated.

## Technical Manuals

The following Technical Manuals will be updated in the VDL:

* *Outpatient Pharmacy (PSO) Technical Manual/Security Guide*

## Operations Manuals

No Operations Manuals require revision as a result of this modification.

# Project Reporting

Leidos will provide interim progress updates during daily Scrum calls and weekly management calls with VA representatives.

# Project Schedule

Leidos will follow the Scrum Agile methodology for software development. It is anticipated that this patch will require five 2-week sprints.

# Deployment

Leidos will create a KIDS package or host file containing the software changes necessary to fulfill the requirements for this remediation effort. The new build or host file, along with all related documentation, will be delivered to the Contracting Office Representative (COR) for acceptance. If accepted, these deliverables can then be released for national VA consumption; otherwise, Leidos will correct any defects found and repeat the necessary remediation activities.

# Sustainment Requirements

Leidos will provide maintenance support for 90 days to the VA to support the final Class 1 product after it is nationally released.

# Maintenance and Knowledge Transfer

To facilitate continuous process improvement, Leidos will deliver *Sprint Review and Retrospective* slides and a *Lessons Learned* *Report* to VA upon completion of the final sprint.

XINDEX Listing for MUMPS Code Changes

The XINDEX tool is the standard tool used by the VA to analyze MUMPS source code. Following is a listing of the results of the XINDEX analysis of the affected routines.

V. A. C R O S S R E F E R E N C E R 7.3

[2008 VA Standards & Conventions]

UCI: VISTA CPU: ROU Jan 14, 2019@13:46:14

The BUILD file Data Dictionaries are being processed.

52.444 PHARMACY TELEPHONE REFILLS.........

59 OUTPATIENT SITE

The option and function files are being processed.

Routines are being processed.

Routines: 5 Faux Routines: 3

PSO503P PSOBBC PSOLSET PSOUTL PSOVEXRX

Data Dictionaries

|dd52.444 |dd59 |opt

--- CROSS REFERENCING ---

Compiled list of Errors and Warnings Jan 14, 2019@13:46:14 page 1

No errors or warnings to report

--- END ---

V. A. C R O S S R E F E R E N C E R 7.3

[2008 VA Standards & Conventions]

UCI: VISTA CPU: ROU Jan 14, 2019@13:46:35

The BUILD file Data Dictionaries are being processed.

The option and function files are being processed.

Routines are being processed.

Routines: 2 Faux Routines: 1

PSX82P PSXMSGS

Data Dictionaries

|opt

--- CROSS REFERENCING ---

Compiled list of Errors and Warnings Jan 14, 2019@13:46:35 page 1

No errors or warnings to report

--- END ---

Source Code Changes

This appendix displays the VistA code before and after the updates required for this code modification were implemented. The following routines were affected:

**Modified MUMPS routines:** PSOLSET, PSOBBC, PSXMSGS, PSOUTL

**New MUMPS routines:** PSOVEXRX, PSO503P, PSX82P

**PSOLSET**

**Before:**

PSOLSET ;BHAM ISC/SAB - site parameter set up ;12/03/92

VERS ;;7.0;OUTPATIENT PHARMACY;\*\*10,22,32,40,120,247,359,367\*\*;DEC 1997;Buil

d 62

;Reference to ^PS(59.7 supported by DBIA 694

;Reference to ^PSX(550 supported by DBIA 2230

;Reference to ^%ZIS(2 supported by DBIA 3435

;

I '$D(DUZ) W !,$C(7),"DUZ Number must be defined !!",! G LEAVE

W !,"Outpatient Pharmacy software - Version "\_$P($T(VERS),";",3)

I $D(^XTMP("PSO\_V7 INSTALL",0)) W !!,"Outpatient Pharmacy software is b

eing installed. PLEASE TRY LATER!",! G LEAVE

S PSOBAR1="",PSOBARS=0 ;make sure we have one

S PSOCNT=0 F I=0:0 S I=$O(^PS(59,I)) Q:'I S PSOCNT=PSOCNT+1,Y=I

G DIV1:PSOCNT W !,$C(7) S DIR("A",1)="Site parameters must be specified

for at least one site."

S DIR("A",2)="This is usually done by the package Co-ordinator.",DIR("A

")="Do you want to continue: ",DIR("B")="YES",DIR(0)="SA^Y:YES;N:NO",DIR("?")="

Enter Y to edit site parameters or N to exit." D ^DIR

G LEAVE:"Y"'[$E(X)

W ! D ^PSOSITED G PSOLSET

DIV1 G:PSOCNT=1 DIV3 S DIR(0)="Y",DIR("?")="Enter 'Y' to select Division or

'N' to EXIT"

DIV2 I PSOCNT>1 W ! S DIC("A")="Division: ",DIC=59,DIC(0)="AEMQ"

S:$G(PSOVEX)'=1 DIC("S")="I $S('$D(^PS(59,+Y,""I"")):1,'^(""I""):1,DT'>

^(""I""):1,1:0)"

D ^DIC K DIC G:$D(DUOUT)!($D(DTOUT)) LEAVE

I +Y<0 W $C(7),! S DIR("A",1)="A 'DIVISION' must be selected!",DIR("A")

="Do you want to try again",DIR("B")="YES" D ^DIR G:'Y LEAVE G DIV2

DIV3 K DIR S PSOSITE=+Y W:PSOCNT>1 !!?10,"You are logged on under the ",$P(^

PS(59,PSOSITE,0),"^")," division.",! S PSOPAR=$G(^PS(59,PSOSITE,1)),PSOPAR7=$G(^

PS(59,PSOSITE,"IB")),PSOSYS=$G(^PS(59.7,1,40.1)) D CUTDATE^PSOFUNC

S PSOPINST=$P($G(^PS(59,PSOSITE,"INI")),"^")

S (SITE,DA)=$P(^XMB(1,1,"XUS"),"^",17),DIC="4",DIQ(0)="IE",DR=".01;99",

DIQ="PSXUTIL" D EN^DIQ1 S S3=$G(PSXUTIL(4,SITE,99,"I")),S2=$G(PSXUTIL(4,SITE,.01

,"E")) K DA,DIC,DIQ(0),DR

S PSXSYS=+$O(^PSX(550,"C",""))\_"^"\_$G(S3)\_"^"\_$G(S2),PSOINST=S3

K S3,S2,S1,PSXUTIL

I $G(PSXSYS) D

.K:($P($G(^PSX(550,+PSXSYS,0)),"^",2)'="A") PSXSYS

.S Y=$$VERSION^XPDUTL("PSO") I Y>6.0 S PSXVER=1

E K PSXSYS

S PSODIV=$S(($P(PSOSYS,"^",2))&('$P(PSOSYS,"^",3)):0,1:1)

I $D(DUZ),$D(^VA(200,+DUZ,0)) S PSOCLC=DUZ

PLBL ; Profile Printer Selection

I $P(PSOPAR,"^",8) D

.S %ZIS="MNQ",%ZIS("A")="Select PROFILE PRINTER: " S:$G(PSOCLBL)&($D(PS

OPROP)) %ZIS("B")=PSOPROP

.D ^%ZIS K %ZIS,IO("Q"),IOP Q:POP S PSOPROP=ION D ^%ZISC

LBL ; Label Printer Selection

S %ZIS="MNQ",%ZIS("A")="Select LABEL PRINTER: " S:$G(PSOCLBL)&($D(PSOLA

P))!($G(SUSPT)) %ZIS("B")=$S($G(SUSPT):PSLION,1:PSOLAP)

D ^%ZIS K %ZIS,IO("Q"),IOP S:POP PSOQUIT=1 G:POP FDAPRT S @$S($G(SUSPT)

:"PSLION",1:"PSOLAP")=ION,PSOPIOST=$G(IOST(0))

N PSOIOS S PSOIOS=IOS D DEVBAR^PSOBMST

S PSOBARS=PSOBAR1]""&(PSOBAR0]"")&$P(PSOPAR,"^",19),PSOIOS=IOS D ^%ZISC

LASK I $G(PSOPIOST),$D(^%ZIS(2,PSOPIOST,55,"B","LL")) G FDAPRT

K DIR S DIR("A")="OK to assume label alignment is correct",DIR("B")="YE

S",DIR(0)="Y"

S DIR("?")="Enter Y if labels are aligned, N if they need to be aligned

."

D ^DIR S:$D(DIRUT) PSOQUIT=1 G:Y!($D(DIRUT)) FDAPRT

P2 S IOP=$G(PSOLAP) D ^%ZIS K IOP I POP W $C(7),!?5,"Printer is busy.",! G

LASK

U IO(0) W !,"Align labels so that a perforation is at the top of the",!

,"print head and the left side is at column zero."

W ! K DIR,DIRUT,DUOUT,DTOUT S DIR(0)="E" D ^DIR K DIR,DTOUT,DUOUT I $D(

DIRUT) D ^%ZISC G FDAPRT

D ^PSOLBLT D ^%ZISC

K DIRUT,DIR S DIR("A")="Is this correct",DIR("B")="YES",DIR(0)="Y"

S DIR("?")="Enter Y if labels are aligned correctly, N if they need to

be aligned."

D ^DIR S:$D(DIRUT) PSOQUIT=1 G:Y!($D(DIRUT)) FDAPRT

G P2

;

FDAPRT ; FDA Med Guide Printer Selection

I $G(PSOBFLAG) G EXIT

N FDAPRT

S FDAPRT=$$SELPRT^PSOFDAUT($P($G(PSOFDAPT),"^")) I FDAPRT="^" G EXIT

S PSOFDAPT=FDAPRT

G EXIT

;

LEAVE S XQUIT="" G FINAL

Q W !?10,$C(7),"Default printer for labels must be entered." G LBL

;

EXIT D ^%ZISC Q:$G(PSOCLBL)

D:'$G(PSOBFLAG) GROUP K I,IOP,X,Y,%ZIS,DIC,J,DIR,X,Y,DTOUT,DIROUT,DIRUT

,DUOUT Q

;

FINAL ;exit action from main menu - kill and quit

K SITE,PSOCP,PSNP,PSL,PRCA,PSLION,PSOPINST

K GROUPCNT,DISGROUP,PSOCAP,PSOINST,PSOION,PSONULBL,PSOSITE7,PFIO,PSOIOS

,X,Y,PSOSYS,PSODIV,PSOPAR,PSOPAR7,PSOLAP,PSOPROP,PSOCLC,PSOCNT

K PSODTCUT,PSOSITE,PSOPRPAS,PSOBAR1,PSOBAR0,PSOBARS,SIG,DIR,DIRUT,DTOUT

,DIROUT,DUOUT,I,%ZIS,DIC,J,PSOREL,PSOFDAPT

Q

GROUP ;display group

S GROUPCNT=0,AGROUP="" I $D(^PS(59.3,0)) F S AGROUP=$O(^PS(59.3,"B",AG

ROUP)) Q:AGROUP="" D

.S GROUPCNT=GROUPCNT+1 I GROUPCNT=1 S AGROUP1=AGROUP

S:GROUPCNT=1 GRPNME=AGROUP1,II="" G:GROUPCNT>1 GROUP1

Q:'$D(GRPNME) F S II=$O(^PS(59.3,"B",GRPNME,II)) Q:II="" S DISGROUP=

II

K AGROUP,AGROUP1,GRPNME,II

Q

GROUP1 W ! S DIC("A")="Bingo Board Display: ",DIC=59.3,DIC(0)="AEMQZ",DIR(0)="

Y",DIR("?")="Enter 'Y' to select Bingo Board Display or 'N' to EXIT"

S:$P($G(^PS(59,PSOSITE,1)),"^",20) DIC("B")=$P($G(^PS(59,PSOSITE,1)),"^

",20)

D ^DIC K DIC Q:$D(DTOUT)!($D(DUOUT))

I +Y<0 W $C(7) S DIR("A",1)="A 'BINGO BOARD DISPLAY' should be selected

!",DIR("A")="Do you want to try again",DIR("B")="YES",DIR("?")="A display group

must be defined in order to run Bingo Board." D ^DIR Q:"Y"'[$E(X) G GROUP

S DISGROUP=+Y

K DIR,DIC,AGROUP,AGROUP1,GRPNME,II

Q

**PSOLSET**

**After:**

PSOLSET ;BHAM ISC/SAB - site parameter set up ;12/03/92  
VERS ;;7.0;OUTPATIENT PHARMACY;\*\*10,22,32,40,120,247,359,367,503\*\*;DEC 1997;Build 62  
 ;Reference to ^PS(59.7 supported by DBIA 694  
 ;Reference to ^PSX(550 supported by DBIA 2230  
 ;Reference to ^%ZIS(2 supported by DBIA 3435  
 ;  
 I '$D(DUZ) W !,$C(7),"DUZ Number must be defined !!",! G LEAVE  
 W !,"Outpatient Pharmacy software - Version "\_$P($T(VERS),";",3)  
 I $D(^XTMP("PSO\_V7 INSTALL",0)) W !!,"Outpatient Pharmacy software is being installed. PLEASE TRY LATER!",! G LEAVE  
 S PSOBAR1="",PSOBARS=0 ;make sure we have one  
 S PSOCNT=0 F I=0:0 S I=$O(^PS(59,I)) Q:'I  S PSOCNT=PSOCNT+1,Y=I  
 G DIV1:PSOCNT W !,$C(7) S DIR("A",1)="Site parameters must be specified for at least one site."  
 S DIR("A",2)="This is usually done by the package Co-ordinator.",DIR("A")="Do you want to continue: ",DIR("B")="YES",DIR(0)="SA^Y:YES;N:NO",DIR("?")="Enter Y to edit site parameters or N to exit." D ^DIR  
 G LEAVE:"Y"'[$E(X)  
 W ! D ^PSOSITED G PSOLSET  
DIV1 G:PSOCNT=1 DIV3 S DIR(0)="Y",DIR("?")="Enter 'Y' to select Division or 'N' to EXIT"  
DIV2 I PSOCNT>1 W ! S DIC("A")="Division: ",DIC=59,DIC(0)="AEMQ"  
 S:$G(PSOVEX)'=1 DIC("S")="I $S('$D(^PS(59,+Y,""I"")):1,'^(""I""):1,DT'>^(""I""):1,1:0)"  
 D ^DIC K DIC G:$D(DUOUT)!($D(DTOUT)) LEAVE  
 I +Y<0 W $C(7),! S DIR("A",1)="A 'DIVISION' must be selected!",DIR("A")="Do you want to try again",DIR("B")="YES" D ^DIR G:'Y LEAVE G DIV2  
DIV3 K DIR S PSOSITE=+Y W:PSOCNT>1 !!?10,"You are logged on under the ",$P(^PS(59,PSOSITE,0),"^")," division.",! S PSOPAR=$G(^PS(59,PSOSITE,1)),PSOPAR7=$G(^PS(59,PSOSITE,"IB")),PSOSYS=$G(^PS(59.7,1,40.1)) D CUTDATE^PSOFUNC  
 S PSOPINST=$P($G(^PS(59,PSOSITE,"INI")),"^")  
 S (SITE,DA)=$P(^XMB(1,1,"XUS"),"^",17),DIC="4",DIQ(0)="IE",DR=".01;99",DIQ="PSXUTIL" D EN^DIQ1 S S3=$G(PSXUTIL(4,SITE,99,"I")),S2=$G(PSXUTIL(4,SITE,.01,"E")) K DA,DIC,DIQ(0),DR  
 S PSXSYS=+$O(^PSX(550,"C",""))\_"^"\_$G(S3)\_"^"\_$G(S2),PSOINST=S3  
 K S3,S2,S1,PSXUTIL  
 I $G(PSXSYS) D  
 .K:($P($G(^PSX(550,+PSXSYS,0)),"^",2)'="A") PSXSYS  
 .S Y=$$VERSION^XPDUTL("PSO") I Y>6.0 S PSXVER=1  
 E  K PSXSYS  
 S PSODIV=$S(($P(PSOSYS,"^",2))&('$P(PSOSYS,"^",3)):0,1:1)  
 I $D(DUZ),$D(^VA(200,+DUZ,0)) S PSOCLC=DUZ  
PLBL ; Profile Printer Selection  
 I $P(PSOPAR,"^",8) D  
 .S %ZIS="MNQ",%ZIS("A")="Select PROFILE PRINTER: " S:$G(PSOCLBL)&($D(PSOPROP)) %ZIS("B")=PSOPROP  
 .D ^%ZIS K %ZIS,IO("Q"),IOP Q:POP  S PSOPROP=ION D ^%ZISC  
LBL ; Label Printer Selection  
 I $G(PSOCLBL)&($D(PSOLAP))!($G(SUSPT)) S %ZIS="MNQ",%ZIS("A")="Select LABEL PRINTER: " S:$G(PSOCLBL)&($D(PSOLAP))!($G(SUSPT)) %ZIS("B")=$S($G(SUSPT):PSLION,1:PSOLAP) ;RTW NSR20170708 DEFAULT LABEL PRINTER ADDED ELSE  
 E  I $P(^PS(59,PSOSITE,9),"^",3) S %ZIS="MNQ",%ZIS("A")="Select LABEL PRINTER: ",%ZIS("B")=""\_$$GET1^DIQ(59,PSOSITE,4.1)\_"" ;RTW NSR20170708 DEFAULT LABEL PRINTER  
 D ^%ZIS K %ZIS,IO("Q"),IOP S:POP PSOQUIT=1 G:POP FDAPRT S @$S($G(SUSPT):"PSLION",1:"PSOLAP")=ION,PSOPIOST=$G(IOST(0))  
 N PSOIOS S PSOIOS=IOS D DEVBAR^PSOBMST  
 S PSOBARS=PSOBAR1]""&(PSOBAR0]"")&$P(PSOPAR,"^",19),PSOIOS=IOS D ^%ZISC  
LASK I $G(PSOPIOST),$D(^%ZIS(2,PSOPIOST,55,"B","LL")) G FDAPRT  
 K DIR S DIR("A")="OK to assume label alignment is correct",DIR("B")="YES",DIR(0)="Y"  
 S DIR("?")="Enter Y if labels are aligned, N if they need to be aligned."  
 D ^DIR S:$D(DIRUT) PSOQUIT=1 G:Y!($D(DIRUT)) FDAPRT  
P2 S IOP=$G(PSOLAP) D ^%ZIS K IOP I POP W $C(7),!?5,"Printer is busy.",! G LASK  
 U IO(0) W !,"Align labels so that a perforation is at the top of the",!,"print head and the left side is at column zero."  
 W ! K DIR,DIRUT,DUOUT,DTOUT S DIR(0)="E" D ^DIR K DIR,DTOUT,DUOUT I $D(DIRUT) D ^%ZISC G FDAPRT  
 D ^PSOLBLT D ^%ZISC  
 K DIRUT,DIR S DIR("A")="Is this correct",DIR("B")="YES",DIR(0)="Y"  
 S DIR("?")="Enter Y if labels are aligned correctly, N if they need to be aligned."  
 D ^DIR S:$D(DIRUT) PSOQUIT=1 G:Y!($D(DIRUT)) FDAPRT  
 G P2  
 ;  
FDAPRT ; FDA Med Guide Printer Selection  
 I $G(PSOBFLAG) G EXIT  
 N FDAPRT  
 S FDAPRT=$$SELPRT^PSOFDAUT($P($G(PSOFDAPT),"^")) I FDAPRT="^" G EXIT  
 S PSOFDAPT=FDAPRT  
 G EXIT  
 ;   
LEAVE S XQUIT="" G FINAL  
Q W !?10,$C(7),"Default printer for labels must be entered." G LBL  
 ;  
EXIT D ^%ZISC Q:$G(PSOCLBL)  
 D:'$G(PSOBFLAG) GROUP K I,IOP,X,Y,%ZIS,DIC,J,DIR,X,Y,DTOUT,DIROUT,DIRUT,DUOUT Q  
 ;  
FINAL ;exit action from main menu - kill and quit  
 K SITE,PSOCP,PSNP,PSL,PRCA,PSLION,PSOPINST  
 K GROUPCNT,DISGROUP,PSOCAP,PSOINST,PSOION,PSONULBL,PSOSITE7,PFIO,PSOIOS,X,Y,PSOSYS,PSODIV,PSOPAR,PSOPAR7,PSOLAP,PSOPROP,PSOCLC,PSOCNT  
 K PSODTCUT,PSOSITE,PSOPRPAS,PSOBAR1,PSOBAR0,PSOBARS,SIG,DIR,DIRUT,DTOUT,DIROUT,DUOUT,I,%ZIS,DIC,J,PSOREL,PSOFDAPT  
 Q  
GROUP ;display group  
 S GROUPCNT=0,AGROUP="" I $D(^PS(59.3,0)) F  S AGROUP=$O(^PS(59.3,"B",AGROUP)) Q:AGROUP=""  D  
 .S GROUPCNT=GROUPCNT+1 I GROUPCNT=1 S AGROUP1=AGROUP  
 S:GROUPCNT=1 GRPNME=AGROUP1,II="" G:GROUPCNT>1 GROUP1  
 Q:'$D(GRPNME) F  S II=$O(^PS(59.3,"B",GRPNME,II)) Q:II=""  S DISGROUP=II  
 K AGROUP,AGROUP1,GRPNME,II  
 Q  
GROUP1 W ! S DIC("A")="Bingo Board Display: ",DIC=59.3,DIC(0)="AEMQZ",DIR(0)="Y",DIR("?")="Enter 'Y' to select Bingo Board Display or 'N' to EXIT"  
 S:$P($G(^PS(59,PSOSITE,1)),"^",20) DIC("B")=$P($G(^PS(59,PSOSITE,1)),"^",20)  
 D ^DIC K DIC Q:$D(DTOUT)!($D(DUOUT))  
 I +Y<0 W $C(7) S DIR("A",1)="A 'BINGO BOARD DISPLAY' should be selected!",DIR("A")="Do you want to try again",DIR("B")="YES",DIR("?")="A display group must be defined in order to run Bingo Board." D ^DIR Q:"Y"'[$E(X) G GROUP  
 S DISGROUP=+Y  
 K DIR,DIC,AGROUP,AGROUP1,GRPNME,II  
 Q  
DEFP ; RTW added to support the New PSO DEFAULT LABEL PRINTER Outpatient Pharmacy Default Label Printer option  
 N DIE,DIC,DA,DLAYGO  
 W !!,"Outpatient Site File",! K DIC,DIE S DIC("A")="Select SITE NAME: ",(DIC,DIE)="^PS(59,",DIC(0)="QEALM",DLAYGO=59  
 D ^DIC  
 S DIE="^PS(59,",DA=+Y,DR="[DEFAULT LABEL PRINTER]" L +^PS(59,DA):$S(+$G(^DD("DILOCKTM"))>0:+^DD("DILOCKTM"),1:3) I '$T W !,"Another person is editing this entry. Try Later!",! K DA,DIE,DR G DEFP  
 D ^DIE L -^PS(59,DA)  
 Q

**PSOBBC**

**Before:**

PSOBBC ;IHS/DSD/JCM-BATCH BARCODE DRIVER ;3/30/06 10:10am  
 ;;7.0;OUTPATIENT PHARMACY;\*\*11,22,27,34,46,130,146,185,242,264,300,337,313,473,504\*\*;DEC 1997;Build 15  
 ;External reference to ^IBE(350.1,"ANEW" supported by DBIA 592  
 ;External references CHPUS^IBACUS and TRI^IBACUS supported by DBIA 2030  
 ;External references LK^ORX2 and ULK^ORX2 supported by DBIA 867  
 ;External references ^PS(55 supported by DBIA 2228  
 ;External references U, UL, PSOL, and PSOUL^PSSLOCK supported by DBIA 2789  
 ;PSO\*242 change default to from Q to S  
 ;-------------------------------------------------------------------  
START ;  
 N PSODFN,PSOBBCNO  
 D INIT I '$D(PSOPAR) D ^PSOLSET G:'$D(PSOPAR) EOJ  
 I $P($G(PSOPAR),"^",2),'$D(^XUSEC("PSORPH",DUZ)) S PSORX("VERIFY")=1 ;337  
 I $G(PSOSITE) S PSOBARID=$G(^PS(59,PSOSITE,"IB")) I '$D(^IBE(350.1,"ANEW",+PSOBARID,1,1)) D  S PSORX("QFLG")=1 K PSOBARID G END  
 .W $C(7),!!,"WARNING: Pharmacy Copay not working,",!,?10,"Check IB SERVICE/SECTION in Pharmacy Site File.",!!!,"You will not be able to enter any new prescriptions until this is corrected!"  
 S PSOBBC("QFLG")=0,PSORX("BAR CODE")=1  
 D FROM I PSOBBC("QFLG") S PSORX("QFLG")=1 G END  
 D ASK I PSOBBC("QFLG") S PSORX("QFLG")=1 G END  
 D PROCESS  
END D EOJ  
 Q  
 ;--------------------------------------------------------------------  
INIT ;  
 S PSOBBC("QFLG")=0,PSORX("BAR CODE")=1 K PPL  
 I '$G(PSOINST) D  
 .K DIC,DR,DIQ S DA=$P($$SITE^VASITE(),"^") I DA D  
 ..K PSOINST S DIC=4,DIQ(0)="I",DR=99,DIQ="PSOINST" D EN^DIQ1  
 ..S PSOINST=PSOINST(4,DA,99,"I") K DIC,DA,DIQ,PSOINST(4)  
 Q  
FROM ;  
 S DIR(0)="S^1:REFILLS;2:RENEWS;"  
 S DIR("A")="Batch Barcode for",DIR("B")="REFILLS"  
 D DIR G:'Y FROMX  
 S PSOBBC1("FROM")=$S(Y=1:"REFILL",1:"NEW")  
FROMX K X,Y,DIR  
 Q  
 ;  
ASK ;  
 K BINGCRT,BINGRTE,BBRX  
 W !,"Please answer the following for this session of prescriptions",!  
 D EN^PSOREF2(.PSOBBC) I PSOBBC("DFLG") S PSOBBC("QFLG")=1 G ASKX  
 D SUSP  
 D INPT,CNH  
 D:'$P($G(PSOPAR),"^",6) EARLY  
 D SET  
 D:PSOBBC1("FROM")="NEW" NOORE^PSONEW(.PSOBBC) S:$G(PSOBBC("NOO"))'="" PSOBBCNO=$G(PSOBBC("NOO")) S:$G(PSOBBC("DFLG")) PSOBBC("QFLG")=1  
ASKX Q  
 ;  
SUSP ;  
 S DIR(0)="SAB^Q:QUEUED;S:SUSPENDED"  
 S DIR("A")="Will these refills be Queued or Suspended ? "  
 S DIR("B")="S"   ;PSO\*242  
 D DIR G:PSOBBC("QFLG") SUSPX  
 S (PSOBBC1("QS"),PSOBBC("QS"))=Y S:PSOBBC1("QS")="S" BINGCRT=0  
SUSPX K X,Y,DIR  
 Q  
 ;  
INPT ;  
 S DIR(0)="YA"  
 S DIR("A")="Allow refills for inpatient ? "  
 S DIR("B")="N"  
 D DIR G:PSOBBC("QFLG") INPTX  
 S (PSOBBC1("INOK"),PSOBBC("INOK"))=Y  
INPTX K X,Y,DIR  
 Q  
CNH ;  
 N DIR,PSOCNH  
 S DIR(0)="YA"  
 S DIR("A")="Allow refills for CNH ? " D DIR G:PSOBBC("QFLG") CNHX  
 S (PSOBBC1("CNHOK"),PSOBBC("CNHOK"))=Y  
CNHX K X,Y,DIR  
 Q  
 ;  
EARLY ;  
 S DIR(0)="YA"  
 S DIR("A")="Allow early refills ? "  
 S DIR("B")="N"  
 D DIR G:PSOBBC("QFLG") EARLYX  
 S (PSOBBC1("EAOK"),PSOBBC("EAOK"))=Y  
EARLYX K X,Y,DIR  
 Q  
 ;  
SET ;  
 S PSOBBC1("MAIL/WINDOW")=PSOBBC("MAIL/WINDOW") S:PSOBBC1("MAIL/WINDOW")="W" BINGRTE="W"  
 S PSOBBC1("FILL DATE")=PSOBBC("FILL DATE")  
 S:$G(PSOBBC("CLERK CODE")) PSOBBC1("CLERK CODE")=PSOBBC("CLERK CODE")  
 S:$G(PSOBBC("EXPIRATION DATE")) PSOBBC1("EXPIRATION DATE")=PSOBBC("EXPIRATION DATE")  
 Q  
DIR ;  
 D ^DIR  
 S:$D(DIRUT) PSOBBC("QFLG")=1,PSORX("QFLG")=1  
 K DIRUT,DUOUT,DTOUT,DIROUT  
 Q  
 ;  
PROCESS ;  
 S PSOBBC("DFLG")=0 D NOW^%DTC S TM=$E(%,1,12),TM1=$P(TM,".",2)  
 S RXN=$O(^TMP("PSORXN",$J,0)) I RXN D  
 .S RXN1=^TMP("PSORXN",$J,RXN) D EN^PSOHLSN1(RXN,$P(RXN1,"^"),$P(RXN1,"^",2),"",$P(RXN1,"^",3))  
 .I $P(^PSRX(RXN,"STA"),"^")=5 D EN^PSOHLSN1(RXN,"SC","ZS","")  
 K RXN,RXN1,^TMP("PSORXN",$J) D CLEAN^PSOVER1 K ^TMP("PSORXDC",$J)  
 D GETRXM D:PSOBBC("QFLG") ULK,ULP,ULRX G:PSOBBC("QFLG") PROCESSX  
 I $G(PSODFN)'=$P(^PSRX(PSOBBC("IRXN"),0),"^",2) D  G:PSOBBC("DFLG") PROCESS  
 .I $G(PSODFN) D ULK,ULP  
 .D PT Q:PSOBBC("DFLG")  
 .D PROFILE^PSORX1  
 E  D PTC G:PSOBBC("DFLG") PROCESS  
 D:'$G(PSOSD) ^PSOBUILD  
 S PSOBBC("DONE")=PSOBBC("IRXN")\_","  
 D @PSOBBC1("FROM") S:$G(PPL)&$D(BINGRTE) BBRX(1)=$S($D(PSOBBC("DONE")):PSOBBC("DONE"),1:BBRX) D:$D(BINGCRT)&($D(BINGRTE)&($D(DISGROUP))) ^PSOBING1 K BBRX D ULRX G PROCESS  
PROCESSX I $G(PPL) D SETX,TRI,Q^PSORXL K PPL,RXFL  
 Q  
GETRXM ;  
 N PRVCHK  
 K DIR,PSOBBC("IRXN"),PSOREFXM  
 S DIR(0)="FO^5:245^K:X'?3N1""-""1.N X"  
 S DIR("A")="WAND BARCODE"  
 S DIR("?",1)="Wand the barcoded number of the prescription to be processed."  
 S DIR("?",2)="The number should be of the form NNN-NNNNNN"  
 S DIR("?",3)="where the number before the dash is your station number."  
 S DIR("?")="Enter ""^"", or a RETURN to quit."  
 D DIR G:PSOBBC("QFLG") GETRXMX  
 I $P(X,"-")'=PSOINST W !?7,$C(7),$C(7),$C(7),"Not From this Institution" G GETRXM  
 S (PSOBBC("IRXN"),PSOBBC("OIRXN"),BBRX)=$P(X,"-",2)  
 I $G(^PSRX(PSOBBC("IRXN"),0))']"" W !,$C(7),"Rx data is not on file !",! G GETRXM  
 I $G(PSOBBC1("FROM"))="NEW" S PRVCHK=$$CHKRXPRV^PSOUTIL(PSOBBC("IRXN")) I 'PRVCHK W $C(7),!!,$P(PRVCHK,"^",2),! G GETRXM  
 I $$TITRX^PSOUTL(PSOBBC("IRXN"))="t" D  G GETRXM  
 . W $C(7),!!,"Rx# "\_$$GET1^DIQ(52,PSOBBC("IRXN"),.01)\_" is marked as 'Titration Rx' and cannot be "\_$S(PSOBBC1("FROM")="REFILL":"refilled.",1:"renewed."),!  
 S PSOXDFN=+$P($G(^PSRX(PSOBBC("IRXN"),0)),"^",2) I PSOXDFN S PSOLOUD=1 D:$P($G(^PS(55,PSOXDFN,0)),"^",6)'=2 EN^PSOHLUP(PSOXDFN) K PSOLOUD  
 K PSOXDFN I $P($G(^PSRX(PSOBBC("IRXN"),"STA")),"^")=13 W !,$C(7),"Rx has already been deleted." G GETRXM  
 I $G(PSOBBC("DONE"))[PSOBBC("IRXN")\_"," W !,$C(7),"Rx has already been entered" G GETRXM  
 I $G(PSOBBC1("FROM"))="REFILL" S PSOREFXM=$G(PSOBBC("IRXN")) I PSOREFXM D PSOL^PSSLOCK(PSOREFXM) I '$G(PSOMSG) D  K PSOMSG G GETRXM  
 .I $P($G(PSOMSG),"^",2)'="" W $C(7),!!?5,$P(PSOMSG,"^",2),! Q  
 .W $C(7),!!?5,"Another person is editing Rx "\_$P($G(^PSRX(+$G(PSOBBC("IRXN")),0)),"^"),!  
 I '$D(PSODFNX(+$P(^PSRX(PSOBBC("IRXN"),0),"^",2))),$G(PSOBBC1("FROM"))="NEW" K PSONOERR D  G:'$G(PSOPLCK)!($G(PSONOERR)) GETRXM  
 .S PSOPLCK=$$L^PSSLOCK(+$P(^PSRX(PSOBBC("IRXN"),0),"^",2),0) I '$G(PSOPLCK) D LOCK^PSOORCPY Q  
 .S X=+$P(^PSRX(PSOBBC("IRXN"),0),"^",2)\_";DPT(" D LK^ORX2 I 'Y S PSONOERR=1 D UL^PSSLOCK(+$P(^PSRX(PSOBBC("IRXN"),0),"^",2)) Q  
 .S PSODFNX(+$P(^PSRX(PSOBBC("IRXN"),0),"^",2))=""  
GETRXMX K X,Y,DIR,PSOOPT  
 Q  
 ;  
PT ;  
 S PSOBBC("DFLG")=0  
 W !,$C(7),"New Patient, please pause"  
 I $G(PPL) D SETX,TRI,Q^PSORXL K PPL  
 K RXFL  
 S (DFN,PSODFN)=$P(^PSRX(PSOBBC("IRXN"),0),"^",2),PSORX("NAME")=$P(^DPT(PSODFN,0),"^")  
 D ICN^PSODPT(DFN)  
 ;CHECK FOR BAD ADDRESS/SAB  
 S PSOLOUD=1 D:$P($G(^PS(55,PSODFN,0)),"^",6)'=2 EN^PSOHLUP(PSODFN) K PSOLOUD  
 D ^PSOBUILD  
 S PSOX=$G(^PS(55,PSODFN,"PS")) I PSOX]"" S PSORX("PATIENT STATUS")=$P($G(^PS(53,PSOX,0)),"^")  
 K PSOX  
PTC S (DFN,PSODFN)=$P(^PSRX(PSOBBC("IRXN"),0),"^",2)  
 S PSOLOUD=1 D:$P($G(^PS(55,PSODFN,0)),"^",6)'=2 EN^PSOHLUP(PSODFN) K PSOLOUD  
 S PSOBBC("DFLG")=0 D GET^PSOPTPST  
 I $G(PSOPTPST(2,PSODFN,.351))]"" S PSOBBC("DFLG")=1 D DEAD^PSOPTPST G PTX  
 N PSOTPEXT I $G(PSOBBC1("FROM"))="NEW",$D(^PS(52.91,PSODFN,0)) I '$P(^PS(52.91,PSODFN,0),"^",3)!($P(^(0),"^",3)>DT) D PDIR^PSOTPCAN(PSODFN) I $G(PSOTPEXT) K PSOTPEXT S PSOBBC("DFLG")=1 G PTX  
 K PSOTPEXT  
 I $G(PSOPTPST(2,PSODFN,.1))]"" D:'PSOBBC("INOK") PID W !,$C(7),?10,"PATIENT IS AN INPATIENT ON WARD ",PSOPTPST(2,PSODFN,.1)," !!" I 'PSOBBC("INOK") S PSOBBC("DFLG")=1 G PTX  
 K PSORX("CNH")  
 I $G(PSOPTPST(2,PSODFN,148))="YES" D:'PSOBBC("CNHOK") PID W !,$C(7),?10,"PATIENT IS IN A CONTRACT NURSING HOME !!" S:PSOBBC("CNHOK") PSORX("CNH")=1 I 'PSOBBC("CNHOK") S PSOBBC("DFLG")=1 G PTX  
 D:PSOBBC1("FROM")="NEW" COPAY^PSOPTPST  
PTX K PSOPTPST W:PSOBBC("DFLG") !!,$C(7),"Rx not filled"   
 Q  
 ;  
REFILL ;  
 ; Titration Rx refill request check from AudioFax/Internet  
 N PSORXIEN  
 S PSORXIEN=+$G(PSOBBC("IRXN"))  
 I PSORXIEN,$D(^PSRX(PSORXIEN,0)),$$TITRX^PSOUTL(PSORXIEN)="t" D  Q  
 . W !!,$C(7),"Rx# "\_$$GET1^DIQ(52,PSORXIEN,.01)\_" is marked as 'Titration Rx' and cannot be refilled.",!  
 . D PAUSE^VALM1  
 N PSOFROM S PSOFROM="REFILL",XFROM="BATCH"  
 D EN^PSOREF0(.PSOBBC)  
 Q  
REFILLX ;  
 Q  
 ;  
NEW ;  
 ; Titration Rx Renewal request check from AudioFax  
 N PSORXIEN,PSOACT  
 S PSORXIEN=+$G(PSOBBC("IRXN"))  
 I PSORXIEN,$D(^PSRX(PSORXIEN,0)),$$TITRX^PSOUTL(PSORXIEN)="t" D  Q  
 . W !!,$C(7),"Rx# "\_$$GET1^DIQ(52,PSORXIEN,.01)\_" Drug: "\_$$GET1^DIQ(52,PSORXIEN,6),!  
 . W !,"'Titration Rx' cannot be renewed."  
 . D PAUSE^VALM1  
 ;  
 ; Setting PSOACT to determine Listman actions available  
 I $$GET1^DIQ(52,PSORXIEN,310,"I") D  
 . S PSOACT=$S($D(^XUSEC("PSDRPH",DUZ)):"DEFX",$D(^XUSEC("PSORPH",DUZ)):"F",'$D(^XUSEC("PSORPH",DUZ))&($P($G(PSOPAR),"^",2)):"F",1:"")  
 E  D  
 . S PSOACT=$S($D(^XUSEC("PSORPH",DUZ)):"DEFX",'$D(^XUSEC("PSORPH",DUZ))&($P($G(PSOPAR),"^",2)):"F",1:"")  
 ;  
 N PSOFROM S (PSOFROM,XFROM)="BATCH"  
 S PSOBBC("OIRXN")=PSOBBC("IRXN")  
 S PSORNW("FILL DATE")=PSOBBC1("FILL DATE"),PSOOPT=3  
 S PSORX("DFLG")=0,PSOBBC("NOO")=$G(PSOBBCNO) D EN^PSORENW0(.PSOBBC)  
 S PSOBBC("MAIL/WINDOW")=PSOBBC1("MAIL/WINDOW")  
 S PSOBBC("EAOK")=$G(PSOBBC1("EAOK"))  
 S PSOBBC("QS")=PSOBBC1("QS")  
 S PSOBBC("INOK")=PSOBBC1("INOK")  
 S PSOBBC("CNHOK")=PSOBBC1("CNHOK")  
 S:$G(PSOBBC1("CLERK CODE")) PSOBBC("CLERK CODE")=PSOBBC1("CLERK CODE")  
 S:$G(PSOBBC1("EXPIRATION DATE")) PSOBBC("EXPIRATION DATE")=PSOBBC1("EXPIRATION DATE")  
 K PSORNW,PSOOPT  
 Q  
 ;  
EOJ ;  
 K PSOMSG,PSOREFXM,PSONOERR,PSOPLCK,PSOSD,PSOBBC,PSOBBC1,PSOBARID,Y,X,XFROM,PSOCOUU,PSOCOU,ACNT,ADFN,CLS,CMOP,CNT,FDR,HDR,PSCAN,JJ,POERR,PSOBCK,PSONEW3,PSORENW3,RXFL,PSOOPT  
 K PSORX,RFDT,RX1,RXS,SDA,PSONOOR,VALMBCK,VALMSG,SIG,SIGOK,STA,TM,TM1,VA,VADM,VAEL,VAPA  
 D CLEAN^PSOVER1 K ^TMP("PSORXDC",$J)  
 Q  
TRI ;Check for Tricare Rx's  
 S X="IBACUS" X ^%ZOSF("TEST") I '$T Q  
 I '$$TRI^IBACUS Q  
 Q:'$G(PPL)  
 ;PREV LINE, IN V 7 D ZOSF FIRST  
 N DA,NEWPPL,WWFLAG,PSOWRX,PSOWW,WWNEXT,WXRX,WPAT,WSITE,WDUZ,WFILL,WLOOP,WBILL,WPPLFLG,WWW  
 D DEV^PSOCPTRI  
 S NEWPPL=PPL S PPL=""  
 S (WWFLAG,WPPLFLG)=0 F PSOWW=1:1 S PSOWRX=$P(NEWPPL,",",PSOWW) D  Q:$G(WWFLAG)  
 .S WWNEXT=$P(NEWPPL,",",(PSOWW+1)) I WWNEXT=""!(WWNEXT=",") S WWFLAG=1  
 .I '$G(DT) S DT=$$DT^XLFDT  
 .S WPAT=$P($G(^PSRX(+PSOWRX,0)),"^",2),WSITE=+$G(PSOSITE),WDUZ=+$G(DUZ)  
 .S WFILL=0 F WLOOP=0:0 S WLOOP=$O(^PSRX(+PSOWRX,1,WLOOP)) Q:'WLOOP  S WFILL=WLOOP  
 .S WBILL=$$CHPUS^IBACUS(WPAT,DT,PSOWRX,WFILL,PSOLAP,WSITE,WDUZ)  
 .I '$G(WBILL) S WXRX(PSOWW,PSOWRX)="" Q  
 .S WPPLFLG=1  
 .S FLD(99)="99",FLD(99.1)="Awaiting CHAMPUS billing approval"  
 .N RSDT,ACT,PSUS,RXF,I,PSDA,NOW,IR,FDA,RFN S DA=PSOWRX D H^PSOCPTRH Q  
 I '$G(WPPLFLG) S PPL=NEWPPL Q  
 S WWW="" F  S WWW=$O(WXRX(WWW)) Q:WWW=""  D  
 .I $G(PPL)="" S PPL=$O(WXRX(WWW,0))\_"," Q  
 .S PPL=PPL\_$O(WXRX(WWW,0))\_","  
 Q  
ULK ;  
 Q:$G(PSOBBC1("FROM"))'="NEW"  
 I '$G(PSODFN) Q  
 S X=PSODFN\_";DPT(" D ULK^ORX2 K PSODFNX(PSODFN) Q  
ULP Q:$G(PSOBBC1("FROM"))'="NEW"  
 Q:'$G(PSODFN)  
 D UL^PSSLOCK(PSODFN)  
 Q  
ULRX ;  
 Q:$G(PSOBBC1("FROM"))'="REFILL"  
 Q:'$G(PSOREFXM)  
 D PSOUL^PSSLOCK(PSOREFXM)  
 K PSOREFXM  
 Q  
 ;  
SETX ;  
 S:$G(PSOBBC1("FROM"))="REFILL" XFROM="BATCH"  
 S:$G(PSOBBC1("FROM"))="NEW" XFROM="BATCH"  
 Q  
PID ;  
 I '$G(DFN) S DFN=+$G(PSODFN)  
 Q:'$G(DFN)  
 K VAPTYP D PID^VADPT  
 W !!,?9,$G(PSORX("NAME"))\_" ",$G(VA("BID"))  
 K VA("BID"),VA("PID")  
 Q

**PSOBBC**

**After:**

PSOBBC ;IHS/DSD/JCM-BATCH BARCODE DRIVER ;3/30/06 10:10am  
 ;;7.0;OUTPATIENT PHARMACY;\*\*11,22,27,34,46,130,146,185,242,264,300,337,313,473,504,503\*\*;DEC 1997;Build 15  
 ;External reference to ^IBE(350.1,"ANEW" supported by DBIA 592  
 ;External references CHPUS^IBACUS and TRI^IBACUS supported by DBIA 2030  
 ;External references LK^ORX2 and ULK^ORX2 supported by DBIA 867  
 ;External references ^PS(55 supported by DBIA 2228  
 ;External references U, UL, PSOL, and PSOUL^PSSLOCK supported by DBIA 2789  
 ;PSO\*242 change default to from Q to S  
 ;-------------------------------------------------------------------  
START ;  
 N PSODFN,PSOBBCNO  
 D INIT I '$D(PSOPAR) D ^PSOLSET G:'$D(PSOPAR) EOJ  
 I $P($G(PSOPAR),"^",2),'$D(^XUSEC("PSORPH",DUZ)) S PSORX("VERIFY")=1 ;337  
 I $G(PSOSITE) S PSOBARID=$G(^PS(59,PSOSITE,"IB")) I '$D(^IBE(350.1,"ANEW",+PSOBARID,1,1)) D  S PSORX("QFLG")=1 K PSOBARID G END  
 .W $C(7),!!,"WARNING: Pharmacy Copay not working,",!,?10,"Check IB SERVICE/SECTION in Pharmacy Site File.",!!!,"You will not be able to enter any new prescriptions until this is corrected!"  
 S PSOBBC("QFLG")=0,PSORX("BAR CODE")=1  
 D FROM I PSOBBC("QFLG") S PSORX("QFLG")=1 G END  
 D ASK I PSOBBC("QFLG") S PSORX("QFLG")=1 G END  
 D PROCESS  
END D EOJ  
 Q  
 ;--------------------------------------------------------------------  
INIT ;  
 S PSOBBC("QFLG")=0,PSORX("BAR CODE")=1 K PPL  
 I '$G(PSOINST) D  
 .K DIC,DR,DIQ S DA=$P($$SITE^VASITE(),"^") I DA D  
 ..K PSOINST S DIC=4,DIQ(0)="I",DR=99,DIQ="PSOINST" D EN^DIQ1  
 ..S PSOINST=PSOINST(4,DA,99,"I") K DIC,DA,DIQ,PSOINST(4)  
 Q  
FROM ;  
 S DIR(0)="S^1:REFILLS;2:RENEWS;"  
 S DIR("A")="Batch Barcode for",DIR("B")="REFILLS"  
 D DIR G:'Y FROMX  
 S PSOBBC1("FROM")=$S(Y=1:"REFILL",1:"NEW")  
FROMX K X,Y,DIR  
 Q  
 ;  
ASK ;  
 K BINGCRT,BINGRTE,BBRX  
 W !,"Please answer the following for this session of prescriptions",!  
 D EN^PSOREF2(.PSOBBC) I PSOBBC("DFLG") S PSOBBC("QFLG")=1 G ASKX  
 D SUSP  
 D INPT,CNH  
 D:'$P($G(PSOPAR),"^",6) EARLY  
 D SET  
 D:PSOBBC1("FROM")="NEW" NOORE^PSONEW(.PSOBBC) S:$G(PSOBBC("NOO"))'="" PSOBBCNO=$G(PSOBBC("NOO")) S:$G(PSOBBC("DFLG")) PSOBBC("QFLG")=1  
ASKX Q  
 ;  
SUSP ;  
 S DIR(0)="SAB^Q:QUEUED;S:SUSPENDED"  
 S DIR("A")="Will these refills be Queued or Suspended ? "  
 S DIR("B")="S"   ;PSO\*242  
 D DIR G:PSOBBC("QFLG") SUSPX  
 S (PSOBBC1("QS"),PSOBBC("QS"))=Y S:PSOBBC1("QS")="S" BINGCRT=0  
SUSPX K X,Y,DIR  
 Q  
 ;  
INPT ;  
 S DIR(0)="YA"  
 S DIR("A")="Allow refills for inpatient ? "  
 S DIR("B")="N"  
 D DIR G:PSOBBC("QFLG") INPTX  
 S (PSOBBC1("INOK"),PSOBBC("INOK"))=Y  
INPTX K X,Y,DIR  
 Q  
CNH ;  
 N DIR,PSOCNH  
 S DIR(0)="YA"  
 S DIR("A")="Allow refills for CNH ? "  
 S PSOCNH=$$GET1^DIQ(59,PSOSITE,2035) ;NSR20171104 RTW get the parameter default  
 S:$D(PSOCNH) DIR("B")=PSOCNH ;NSR20171104 RTW if parameter is set use as default.  
 S:PSOCNH="" DIR("B")="N" ;NSR20171104 RTW if the parameter is blank set default to 'NO'  
 D DIR G:PSOBBC("QFLG") CNHX  
 S (PSOBBC1("CNHOK"),PSOBBC("CNHOK"))=Y  
CNHX K X,Y,DIR  
 Q  
 ;  
EARLY ;  
 S DIR(0)="YA"  
 S DIR("A")="Allow early refills ? "  
 S DIR("B")="N"  
 D DIR G:PSOBBC("QFLG") EARLYX  
 S (PSOBBC1("EAOK"),PSOBBC("EAOK"))=Y  
EARLYX K X,Y,DIR  
 Q  
 ;  
SET ;  
 S PSOBBC1("MAIL/WINDOW")=PSOBBC("MAIL/WINDOW") S:PSOBBC1("MAIL/WINDOW")="W" BINGRTE="W"  
 S PSOBBC1("FILL DATE")=PSOBBC("FILL DATE")  
 S:$G(PSOBBC("CLERK CODE")) PSOBBC1("CLERK CODE")=PSOBBC("CLERK CODE")  
 S:$G(PSOBBC("EXPIRATION DATE")) PSOBBC1("EXPIRATION DATE")=PSOBBC("EXPIRATION DATE")  
 Q  
DIR ;  
 D ^DIR  
 S:$D(DIRUT) PSOBBC("QFLG")=1,PSORX("QFLG")=1  
 K DIRUT,DUOUT,DTOUT,DIROUT  
 Q  
 ;  
PROCESS ;  
 S PSOBBC("DFLG")=0 D NOW^%DTC S TM=$E(%,1,12),TM1=$P(TM,".",2)  
 S RXN=$O(^TMP("PSORXN",$J,0)) I RXN D  
 .S RXN1=^TMP("PSORXN",$J,RXN) D EN^PSOHLSN1(RXN,$P(RXN1,"^"),$P(RXN1,"^",2),"",$P(RXN1,"^",3))  
 .I $P(^PSRX(RXN,"STA"),"^")=5 D EN^PSOHLSN1(RXN,"SC","ZS","")  
 K RXN,RXN1,^TMP("PSORXN",$J) D CLEAN^PSOVER1 K ^TMP("PSORXDC",$J)  
 D GETRXM D:PSOBBC("QFLG") ULK,ULP,ULRX G:PSOBBC("QFLG") PROCESSX  
 I $G(PSODFN)'=$P(^PSRX(PSOBBC("IRXN"),0),"^",2) D  G:PSOBBC("DFLG") PROCESS  
 .I $G(PSODFN) D ULK,ULP  
 .D PT Q:PSOBBC("DFLG")  
 .D PROFILE^PSORX1  
 E  D PTC G:PSOBBC("DFLG") PROCESS  
 D:'$G(PSOSD) ^PSOBUILD  
 S PSOBBC("DONE")=PSOBBC("IRXN")\_","  
 D @PSOBBC1("FROM") S:$G(PPL)&$D(BINGRTE) BBRX(1)=$S($D(PSOBBC("DONE")):PSOBBC("DONE"),1:BBRX) D:$D(BINGCRT)&($D(BINGRTE)&($D(DISGROUP))) ^PSOBING1 K BBRX D ULRX G PROCESS  
PROCESSX I $G(PPL) D SETX,TRI,Q^PSORXL K PPL,RXFL  
 Q  
GETRXM ;  
 N PRVCHK  
 K DIR,PSOBBC("IRXN"),PSOREFXM  
 S DIR(0)="FO^5:245^K:X'?3N1""-""1.N X"  
 S DIR("A")="WAND BARCODE"  
 S DIR("?",1)="Wand the barcoded number of the prescription to be processed."  
 S DIR("?",2)="The number should be of the form NNN-NNNNNN"  
 S DIR("?",3)="where the number before the dash is your station number."  
 S DIR("?")="Enter ""^"", or a RETURN to quit."  
 D DIR G:PSOBBC("QFLG") GETRXMX  
 I $P(X,"-")'=PSOINST W !?7,$C(7),$C(7),$C(7),"Not From this Institution" G GETRXM  
 S (PSOBBC("IRXN"),PSOBBC("OIRXN"),BBRX)=$P(X,"-",2)  
 I $G(^PSRX(PSOBBC("IRXN"),0))']"" W !,$C(7),"Rx data is not on file !",! G GETRXM  
 I $G(PSOBBC1("FROM"))="NEW" S PRVCHK=$$CHKRXPRV^PSOUTIL(PSOBBC("IRXN")) I 'PRVCHK W $C(7),!!,$P(PRVCHK,"^",2),! G GETRXM  
 I $$TITRX^PSOUTL(PSOBBC("IRXN"))="t" D  G GETRXM  
 . W $C(7),!!,"Rx# "\_$$GET1^DIQ(52,PSOBBC("IRXN"),.01)\_" is marked as 'Titration Rx' and cannot be "\_$S(PSOBBC1("FROM")="REFILL":"refilled.",1:"renewed."),!  
 S PSOXDFN=+$P($G(^PSRX(PSOBBC("IRXN"),0)),"^",2) I PSOXDFN S PSOLOUD=1 D:$P($G(^PS(55,PSOXDFN,0)),"^",6)'=2 EN^PSOHLUP(PSOXDFN) K PSOLOUD  
 K PSOXDFN I $P($G(^PSRX(PSOBBC("IRXN"),"STA")),"^")=13 W !,$C(7),"Rx has already been deleted." G GETRXM  
 I $G(PSOBBC("DONE"))[PSOBBC("IRXN")\_"," W !,$C(7),"Rx has already been entered" G GETRXM  
 I $G(PSOBBC1("FROM"))="REFILL" S PSOREFXM=$G(PSOBBC("IRXN")) I PSOREFXM D PSOL^PSSLOCK(PSOREFXM) I '$G(PSOMSG) D  K PSOMSG G GETRXM  
 .I $P($G(PSOMSG),"^",2)'="" W $C(7),!!?5,$P(PSOMSG,"^",2),! Q  
 .W $C(7),!!?5,"Another person is editing Rx "\_$P($G(^PSRX(+$G(PSOBBC("IRXN")),0)),"^"),!  
 I '$D(PSODFNX(+$P(^PSRX(PSOBBC("IRXN"),0),"^",2))),$G(PSOBBC1("FROM"))="NEW" K PSONOERR D  G:'$G(PSOPLCK)!($G(PSONOERR)) GETRXM  
 .S PSOPLCK=$$L^PSSLOCK(+$P(^PSRX(PSOBBC("IRXN"),0),"^",2),0) I '$G(PSOPLCK) D LOCK^PSOORCPY Q  
 .S X=+$P(^PSRX(PSOBBC("IRXN"),0),"^",2)\_";DPT(" D LK^ORX2 I 'Y S PSONOERR=1 D UL^PSSLOCK(+$P(^PSRX(PSOBBC("IRXN"),0),"^",2)) Q  
 .S PSODFNX(+$P(^PSRX(PSOBBC("IRXN"),0),"^",2))=""  
GETRXMX K X,Y,DIR,PSOOPT  
 Q  
 ;  
PT ;  
 S PSOBBC("DFLG")=0  
 W !,$C(7),"New Patient, please pause"  
 I $G(PPL) D SETX,TRI,Q^PSORXL K PPL  
 K RXFL  
 S (DFN,PSODFN)=$P(^PSRX(PSOBBC("IRXN"),0),"^",2),PSORX("NAME")=$P(^DPT(PSODFN,0),"^")  
 D ICN^PSODPT(DFN)  
 ;CHECK FOR BAD ADDRESS/SAB  
 S PSOLOUD=1 D:$P($G(^PS(55,PSODFN,0)),"^",6)'=2 EN^PSOHLUP(PSODFN) K PSOLOUD  
 D ^PSOBUILD  
 S PSOX=$G(^PS(55,PSODFN,"PS")) I PSOX]"" S PSORX("PATIENT STATUS")=$P($G(^PS(53,PSOX,0)),"^")  
 K PSOX  
PTC S (DFN,PSODFN)=$P(^PSRX(PSOBBC("IRXN"),0),"^",2)  
 S PSOLOUD=1 D:$P($G(^PS(55,PSODFN,0)),"^",6)'=2 EN^PSOHLUP(PSODFN) K PSOLOUD  
 S PSOBBC("DFLG")=0 D GET^PSOPTPST  
 I $G(PSOPTPST(2,PSODFN,.351))]"" S PSOBBC("DFLG")=1 D DEAD^PSOPTPST G PTX  
 N PSOTPEXT I $G(PSOBBC1("FROM"))="NEW",$D(^PS(52.91,PSODFN,0)) I '$P(^PS(52.91,PSODFN,0),"^",3)!($P(^(0),"^",3)>DT) D PDIR^PSOTPCAN(PSODFN) I $G(PSOTPEXT) K PSOTPEXT S PSOBBC("DFLG")=1 G PTX  
 K PSOTPEXT  
 I $G(PSOPTPST(2,PSODFN,.1))]"" D:'PSOBBC("INOK") PID W !,$C(7),?10,"PATIENT IS AN INPATIENT ON WARD ",PSOPTPST(2,PSODFN,.1)," !!" I 'PSOBBC("INOK") S PSOBBC("DFLG")=1 G PTX  
 K PSORX("CNH")  
 I $G(PSOPTPST(2,PSODFN,148))="YES" D:'PSOBBC("CNHOK") PID W !,$C(7),?10,"PATIENT IS IN A CONTRACT NURSING HOME !!" S:PSOBBC("CNHOK") PSORX("CNH")=1 I 'PSOBBC("CNHOK") S PSOBBC("DFLG")=1 G PTX  
 D:PSOBBC1("FROM")="NEW" COPAY^PSOPTPST  
PTX K PSOPTPST W:PSOBBC("DFLG") !!,$C(7),"Rx not filled" W:$G(PSOBBC("IRXN")) " RX IEN "\_PSOBBC("IRXN") ;RTW NSR20160206  
 Q  
 ;  
REFILL ;  
 ; Titration Rx refill request check from AudioFax/Internet  
 N PSORXIEN  
 S PSORXIEN=+$G(PSOBBC("IRXN"))  
 I PSORXIEN,$D(^PSRX(PSORXIEN,0)),$$TITRX^PSOUTL(PSORXIEN)="t" D  Q  
 . W !!,$C(7),"Rx# "\_$$GET1^DIQ(52,PSORXIEN,.01)\_" is marked as 'Titration Rx' and cannot be refilled.",!  
 . D PAUSE^VALM1  
 N PSOFROM S PSOFROM="REFILL",XFROM="BATCH"  
 D EN^PSOREF0(.PSOBBC)  
 Q  
REFILLX ;  
 Q  
 ;  
NEW ;  
 ; Titration Rx Renewal request check from AudioFax  
 N PSORXIEN,PSOACT  
 S PSORXIEN=+$G(PSOBBC("IRXN"))  
 I PSORXIEN,$D(^PSRX(PSORXIEN,0)),$$TITRX^PSOUTL(PSORXIEN)="t" D  Q  
 . W !!,$C(7),"Rx# "\_$$GET1^DIQ(52,PSORXIEN,.01)\_" Drug: "\_$$GET1^DIQ(52,PSORXIEN,6),!  
 . W !,"'Titration Rx' cannot be renewed."  
 . D PAUSE^VALM1  
 ;  
 ; Setting PSOACT to determine Listman actions available  
 I $$GET1^DIQ(52,PSORXIEN,310,"I") D  
 . S PSOACT=$S($D(^XUSEC("PSDRPH",DUZ)):"DEFX",$D(^XUSEC("PSORPH",DUZ)):"F",'$D(^XUSEC("PSORPH",DUZ))&($P($G(PSOPAR),"^",2)):"F",1:"")  
 E  D  
 . S PSOACT=$S($D(^XUSEC("PSORPH",DUZ)):"DEFX",'$D(^XUSEC("PSORPH",DUZ))&($P($G(PSOPAR),"^",2)):"F",1:"")  
 ;  
 N PSOFROM S (PSOFROM,XFROM)="BATCH"  
 S PSOBBC("OIRXN")=PSOBBC("IRXN")  
 S PSORNW("FILL DATE")=PSOBBC1("FILL DATE"),PSOOPT=3  
 S PSORX("DFLG")=0,PSOBBC("NOO")=$G(PSOBBCNO) D EN^PSORENW0(.PSOBBC)  
 S PSOBBC("MAIL/WINDOW")=PSOBBC1("MAIL/WINDOW")  
 S PSOBBC("EAOK")=$G(PSOBBC1("EAOK"))  
 S PSOBBC("QS")=PSOBBC1("QS")  
 S PSOBBC("INOK")=PSOBBC1("INOK")  
 S PSOBBC("CNHOK")=PSOBBC1("CNHOK")  
 S:$G(PSOBBC1("CLERK CODE")) PSOBBC("CLERK CODE")=PSOBBC1("CLERK CODE")  
 S:$G(PSOBBC1("EXPIRATION DATE")) PSOBBC("EXPIRATION DATE")=PSOBBC1("EXPIRATION DATE")  
 K PSORNW,PSOOPT  
 Q  
 ;  
EOJ ;  
 K PSOMSG,PSOREFXM,PSONOERR,PSOPLCK,PSOSD,PSOBBC,PSOBBC1,PSOBARID,Y,X,XFROM,PSOCOUU,PSOCOU,ACNT,ADFN,CLS,CMOP,CNT,FDR,HDR,PSCAN,JJ,POERR,PSOBCK,PSONEW3,PSORENW3,RXFL,PSOOPT  
 K PSORX,RFDT,RX1,RXS,SDA,PSONOOR,VALMBCK,VALMSG,SIG,SIGOK,STA,TM,TM1,VA,VADM,VAEL,VAPA  
 D CLEAN^PSOVER1 K ^TMP("PSORXDC",$J)  
 Q  
TRI ;Check for Tricare Rx's  
 S X="IBACUS" X ^%ZOSF("TEST") I '$T Q  
 I '$$TRI^IBACUS Q  
 Q:'$G(PPL)  
 ;PREV LINE, IN V 7 D ZOSF FIRST  
 N DA,NEWPPL,WWFLAG,PSOWRX,PSOWW,WWNEXT,WXRX,WPAT,WSITE,WDUZ,WFILL,WLOOP,WBILL,WPPLFLG,WWW  
 D DEV^PSOCPTRI  
 S NEWPPL=PPL S PPL=""  
 S (WWFLAG,WPPLFLG)=0 F PSOWW=1:1 S PSOWRX=$P(NEWPPL,",",PSOWW) D  Q:$G(WWFLAG)  
 .S WWNEXT=$P(NEWPPL,",",(PSOWW+1)) I WWNEXT=""!(WWNEXT=",") S WWFLAG=1  
 .I '$G(DT) S DT=$$DT^XLFDT  
 .S WPAT=$P($G(^PSRX(+PSOWRX,0)),"^",2),WSITE=+$G(PSOSITE),WDUZ=+$G(DUZ)  
 .S WFILL=0 F WLOOP=0:0 S WLOOP=$O(^PSRX(+PSOWRX,1,WLOOP)) Q:'WLOOP  S WFILL=WLOOP  
 .S WBILL=$$CHPUS^IBACUS(WPAT,DT,PSOWRX,WFILL,PSOLAP,WSITE,WDUZ)  
 .I '$G(WBILL) S WXRX(PSOWW,PSOWRX)="" Q  
 .S WPPLFLG=1  
 .S FLD(99)="99",FLD(99.1)="Awaiting CHAMPUS billing approval"  
 .N RSDT,ACT,PSUS,RXF,I,PSDA,NOW,IR,FDA,RFN S DA=PSOWRX D H^PSOCPTRH Q  
 I '$G(WPPLFLG) S PPL=NEWPPL Q  
 S WWW="" F  S WWW=$O(WXRX(WWW)) Q:WWW=""  D  
 .I $G(PPL)="" S PPL=$O(WXRX(WWW,0))\_"," Q  
 .S PPL=PPL\_$O(WXRX(WWW,0))\_","  
 Q  
ULK ;  
 Q:$G(PSOBBC1("FROM"))'="NEW"  
 I '$G(PSODFN) Q  
 S X=PSODFN\_";DPT(" D ULK^ORX2 K PSODFNX(PSODFN) Q  
ULP Q:$G(PSOBBC1("FROM"))'="NEW"  
 Q:'$G(PSODFN)  
 D UL^PSSLOCK(PSODFN)  
 Q  
ULRX ;  
 Q:$G(PSOBBC1("FROM"))'="REFILL"  
 Q:'$G(PSOREFXM)  
 D PSOUL^PSSLOCK(PSOREFXM)  
 K PSOREFXM  
 Q  
 ;  
SETX ;  
 S:$G(PSOBBC1("FROM"))="REFILL" XFROM="BATCH"  
 S:$G(PSOBBC1("FROM"))="NEW" XFROM="BATCH"  
 Q  
PID ;  
 I '$G(DFN) S DFN=+$G(PSODFN)  
 Q:'$G(DFN)  
 K VAPTYP D PID^VADPT  
 W !!,?9,$G(PSORX("NAME"))\_" ",$G(VA("BID"))  
 K VA("BID"),VA("PID")  
 Q

**PSXMSGS**

**Before:**

PSXMSGS ;BIR/WPB - Miscellaneous Message Handler ;01 JUL 1997 1:55 PM

;;2.0;CMOP;\*\*1,2,4,24,23,27,30,41,77\*\*;11 Apr 97;Build 3

;Reference to ^PS(59 supported by DBIA #1976

;Reference to File #200 supported by DBIA #10060

;Reference to DIQ^PSODI supported by DBIA #4858

;Reference to STATUS^PSOBPSUT supported by DBIA #4701

;

CAN ;Q:'$D(^TMP("PSXCAN1",$J))

S DV="" F S DV=$O(^TMP("PSXCAN1",$J,DV)) Q:DV="" S DIVN=$P(^PS(59,DV,

0),"^") D PNM

Q

PNM S XMSUB=DIVN\_" CMOP Not Dispensed Rx List, ",XMDUZ=.5,XMDUN="CMOP Manag

er"

D XMZ^XMA2 G:XMZ<0 CAN

N SYM,RXN

S LCNT=1,^XMB(3.9,XMZ,2,LCNT,0)="Not Dispensed Rx Report for the "\_DIVN

\_" Division.",LCNT=LCNT+1

S ^XMB(3.9,XMZ,2,LCNT,0)="",LCNT=LCNT+1

S ^XMB(3.9,XMZ,2,LCNT,0)="The following prescriptions were not dispense

d by the vendor: ",LCNT=LCNT+1

S ^XMB(3.9,XMZ,2,LCNT,0)="",LCNT=LCNT+1

S DFN="" F S DFN=$O(^TMP("PSXCAN1",$J,DV,DFN)) Q:DFN="" S PNM=$P(^DPT

(DFN,0),"^"),SSN1=$P(^DPT(DFN,0),"^",9),SPS=(47-$L(PNM)),PSXSSN=$E(SSN1,1,3)\_"-"

\_$E(SSN1,4,5)\_"-"\_$E(SSN1,6,9) D

.F I=1:1:SPS S SP=$G(SP)\_" "

.S ^XMB(3.9,XMZ,2,LCNT,0)="Patient: "\_PNM\_SP\_"SSN: "\_PSXSSN,LCNT=LCNT+1

.S ^XMB(3.9,XMZ,2,LCNT,0)="",LCNT=LCNT+1

.S RX1="" F S RX1=$O(^TMP("PSXCAN1",$J,DV,DFN,RX1)) Q:RX1="" D

..S NODE=^TMP("PSXCAN1",$J,DV,DFN,RX1)

..S REASON=$P(NODE,"^",6),BT=$P(NODE,"^",8),FIL=$P(NODE,"^",7)

..S RXN=$O(^PSRX("B",RX1,""))

..S SYM=$S(+$$RXAPI1(RXN,105,"I"):"$",1:"")\_$$ECME(RXN)

..S FLL=$S(FIL>0:"REFILL "\_FIL,FIL=0:"ORIGINAL",1:"")

..S DRGN=$S($P($G(NODE),"^",1)'="":$P(NODE,"^",1),1:"UNKNOWN")

..S DRGI=$P(NODE,"^",4),CMOPYN=$P(NODE,"^",5),QY=$P(NODE,"^",3)

..S ^XMB(3.9,XMZ,2,LCNT,0)=" Rx #: "\_RX1\_SYM\_" "\_$S(FIL'>0:"(ORG)",FIL

>0:"(REF"\_FIL\_")",1:"")\_" Qty: "\_QY\_" Trans #: "\_BT,LCNT=LCNT+1

..S ^XMB(3.9,XMZ,2,LCNT,0)=" Drug: "\_DRGN,LCNT=LCNT+1

..S ^XMB(3.9,XMZ,2,LCNT,0)=" Transmitted under CMOP ID: "\_$G(DRGI),LCN

T=LCNT+1

..S ^XMB(3.9,XMZ,2,LCNT,0)=" Reason: "\_REASON,LCNT=LCNT+1

..I $G(CMOPYN)=1 S ^XMB(3.9,XMZ,2,LCNT,0)=" Note: Local Drug File entry

is no longer MARKED for CMOP ",LCNT=LCNT+1

..S:$P(NODE,"^",2)'=$G(DRGI) ^XMB(3.9,XMZ,2,LCNT,0)=" Note: Local Drug

File entry is no longer MATCHED to transmitted CMOP I.D. ",LCNT=LCNT+1

..S ^XMB(3.9,XMZ,2,LCNT,0)=" ",LCNT=LCNT+1

..K CMOPYN,FLL,FIL,BT,REASON,DRGI,DRGN,QY,I,SP,SPS,SP1

S ^XMB(3.9,XMZ,2,LCNT,0)="Instructions: Prescriptions cannot be proces

sed at CMOP for the reason listed",LCNT=LCNT+1

S ^XMB(3.9,XMZ,2,LCNT,0)="above. Please review the prescription and ta

ke the appropriate action(s).",LCNT=LCNT+1

S ^XMB(3.9,XMZ,2,LCNT,0)="If you have any questions, contact your CMOP

contact person.",LCNT=LCNT+1

S ^XMB(3.9,XMZ,2,0)="^3.92A^"\_LCNT\_"^"\_LCNT\_"^"\_DT,XMDUN="CMOP Manager"

K XMY D GRP S XMDUZ=.5 D ENT1^XMD

K XMY,XMDUZ,XMSUB,XMDUN,REASON,RXN,LCNT,XMZ,FILL,FIL,TDT,TDTM,BAT,DOMAI

N,PTR,XPTR,FACDOM

Q

INVREL S XMSUB="CMOP Release Return Problems",XMDUZ=DUZ,XMDUN="CMOP Manager"

D XMZ^XMA2 G:XMZ<0 INVREL

S LCNT=1

S RXNN="" F S RXNN=$O(^TMP($J,"PSXINV",RXNN)) Q:RXNN="" D

.S ^XMB(3.9,XMZ,2,LCNT,0)=RXNN\_" has already been marked as processed",

LCNT=LCNT+1

S ^XMB(3.9,XMZ,2,0)="^3.92A^"\_LCNT\_"^"\_LCNT\_"^"\_DT,XMDUN="CMOP Manager"

,XMDUZ=DUZ

K XMY S XMY(DUZ)="" D ENT1^XMD

Q

AUTOMSG N TSK D NOW^%DTC S DTE=$$FMTE^XLFDT(%,1),SITE=$P($G(PSXSYS),U,3) K %

I $G(PSXCS)'=1 G NONCS ; If not controlled subs

D OPTSTAT^XUTMOPT("PSXR SCHEDULED CS TRANS",.TSK)

S DTTM=$P($G(TSK(1)),U,2),NUM=+$P($G(TSK(1)),U,3),THRU=$$GET1^DIQ(550,+

PSXSYS,12)

G MSG1

NONCS ;

D OPTSTAT^XUTMOPT("PSXR SCHEDULED NON-CS TRANS",.TSK)

S DTTM=$P($G(TSK(1)),U,2),NUM=+$P($G(TSK(1)),U,3),THRU=$$GET1^DIQ(550,+

PSXSYS,11)

MSG1 S XMDUZ=.5,XMSUB="CMOP "\_$S($G(PSXCS)=1:"CS ",1:"")\_"Auto-Transmission

Schedule",LCNT=1

I DTTM S Y=DTTM X ^DD("DD") S DTTM=Y I 1

E S DTTM="NONE - Canceled",(NUM,THRU)=""

D XMZ^XMA2 G:XMZ<1 AUTOMSG

S ^XMB(3.9,XMZ,2,LCNT,0)=$S(DTTM["NONE":"<CANCEL> ",1:"")\_$S($G(PSXCS)=

1:"CS ",1:"")\_"Auto-transmission Schedule.",LCNT=LCNT+1

S ^XMB(3.9,XMZ,2,LCNT,0)="",LCNT=LCNT+1

S ^XMB(3.9,XMZ,2,LCNT,0)="Facility : "\_SITE,LCNT

=LCNT+1

S ^XMB(3.9,XMZ,2,LCNT,0)="Date Initiated : "\_$P(DTE,":

",1,2),LCNT=LCNT+1

S ^XMB(3.9,XMZ,2,LCNT,0)="Begin Automatic Transmissions : "\_DTTM,LCNT

=LCNT+1

S ^XMB(3.9,XMZ,2,LCNT,0)="Number of days to transmit thru: "\_$S((($G(T

HRU)'>0)&(+NUM)):"Current date",1:$G(THRU)),LCNT=LCNT+1

S ^XMB(3.9,XMZ,2,LCNT,0)="Scheduling Frequency (hours) : "\_NUM,LCNT=

LCNT+1

S ^XMB(3.9,XMZ,2,LCNT,0)="Initiating Official : "\_$$GET1^DI

Q(200,DUZ,.01),LCNT=LCNT+1

S ^XMB(3.9,XMZ,2,0)="^3.92A^"\_LCNT\_"^"\_LCNT\_"^"\_DT,XMDUN="CMOP Manager"

K XMY S XMDUZ=.5

D GRP^PSXNOTE

;S XMY(DUZ)=""

D ENT1^XMD

Q

GRP I '$D(^XUSEC("PSXMAIL")) G GRP1

F MDUZ=0:0 S MDUZ=$O(^XUSEC("PSXMAIL",MDUZ)) Q:MDUZ'>0 S XMY(MDUZ)="",

XQA(MDUZ)=""

K MDUZ

G:'$D(XMY) GRP1

Q

GRP1 F XDUZ=0:0 S XDUZ=$O(^XUSEC("PSXCMOPMGR",XDUZ)) Q:XDUZ'>0 S XMY(XDUZ)=

"",XQA(XDUZ)=""

K XDUZ

Q

;

RXAPI1(IEN,FLD,FORMAT) ;

; Use standard PRE APIs to get Prescription data

; Reference to DIQ^PSODI supported by DBIA #4858

;

; Input

; IEN: Prescription file IEN

; FLD: Prescription field

; FORMAT: E-External (Default)

; I-Internal

; N-Do not return nulls

; Output: Data from Prescription in requested format

;

I '$G(IEN)!($G(FLD)="") Q ""

N DIQ,DIC,PSXARR,X,Y,D0,PSODIY

N I,J,C,DA,DRS,DIL,DI,DIQ1,PSXDIQ

S PSXDIQ="PSXARR"

S PSXDIQ(0)=$S($G(FORMAT)="":"E",1:FORMAT)

D DIQ^PSODI(52,52,.FLD,.IEN,.PSXDIQ) ;DBIA 4858

Q $S(PSXDIQ(0)="N":$G(PSXARR(52,IEN,FLD)),1:$G(PSXARR(52,IEN,FLD,PSXDIQ

(0))))

;

ECME(RX) ;

; Returns "e" if last Rx/Refill is Electronically Billable (3rd party)

; Reference to STATUS^PSOBPSUT supported by DBIA #4701

;

; Input:

; RX: Prescription IEN (required)

; Output:

; Null: Not electronically billable to ePharmacy

; 'e': Electronically billable to ePharmacy

;

I '$G(RX) Q ""

Q $S($$STATUS^PSOBPSUT(RX)'="":"e",1:"")

**PSXMSGS**

**After:**

PSXMSGS ;BIR/WPB - Miscellaneous Message Handler ; 12/29/17 9:51am  
 ;;2.0;CMOP;\*\*1,2,4,24,23,27,30,41,77,82\*\*;11 Apr 97;Build 3  
 ;Reference to ^PS(59 supported by DBIA #1976  
 ;Reference to File #200 supported by DBIA #10060  
 ;Reference to DIQ^PSODI supported by DBIA #4858  
 ;Reference to STATUS^PSOBPSUT supported by DBIA #4701  
 ;  
CAN ;Q:'$D(^TMP("PSXCAN1",$J))  
 S DV="" F  S DV=$O(^TMP("PSXCAN1",$J,DV)) Q:DV=""  S DIVN=$P(^PS(59,DV,0),"^") D PNM  
 Q  
PNM S XMSUB=DIVN\_" CMOP Not Dispensed Rx List, ",XMDUZ=.5,XMDUN="CMOP Manager"  
 D XMZ^XMA2 G:XMZ<0 CAN  
 N SYM,RXN  
 S LCNT=1,^XMB(3.9,XMZ,2,LCNT,0)="Not Dispensed Rx Report for the "\_DIVN\_" Division.",LCNT=LCNT+1  
 S ^XMB(3.9,XMZ,2,LCNT,0)="",LCNT=LCNT+1  
 S ^XMB(3.9,XMZ,2,LCNT,0)="The following prescriptions were not dispensed by the vendor: ",LCNT=LCNT+1  
 S ^XMB(3.9,XMZ,2,LCNT,0)="",LCNT=LCNT+1  
 S DFN="" F  S DFN=$O(^TMP("PSXCAN1",$J,DV,DFN)) Q:DFN=""  S PNM=$P(^DPT(DFN,0),"^"),SSN1=$P(^DPT(DFN,0),"^",9),SPS=(47-$L(PNM)),PSXSSN=$E(SSN1,1,3)\_"-"\_$E(SSN1,4,5)\_"-"\_$E(SSN1,6,9) D  
 .F I=1:1:SPS S SP=$G(SP)\_" "  
 .S ^XMB(3.9,XMZ,2,LCNT,0)="Patient: "\_PNM\_SP\_"SSN: "\_PSXSSN,LCNT=LCNT+1  
 .S ^XMB(3.9,XMZ,2,LCNT,0)="",LCNT=LCNT+1  
 .S RX1="" F  S RX1=$O(^TMP("PSXCAN1",$J,DV,DFN,RX1)) Q:RX1=""  D  
 ..S PSORXIEN=$O(^PSRX("B",RX1,"")) ; EPIP/RTW NSR 20170709 gets ien number for rx  
 ..S PSOFIN=$P($G(^PSRX(PSORXIEN,"OR1")),"^",5) I PSOFIN'="" S PSOFIN=$P($G(^VA(200,PSOFIN,0)),"^",1) ;EPIP/RTW NSR 20170709  
 ..S NODE=^TMP("PSXCAN1",$J,DV,DFN,RX1)  
 ..S REASON=$P(NODE,"^",6),BT=$P(NODE,"^",8),FIL=$P(NODE,"^",7)  
 ..S RXN=$O(^PSRX("B",RX1,""))  
 ..S SYM=$S(+$$RXAPI1(RXN,105,"I"):"$",1:"")\_$$ECME(RXN)  
 ..S FLL=$S(FIL>0:"REFILL "\_FIL,FIL=0:"ORIGINAL",1:"")  
 ..S DRGN=$S($P($G(NODE),"^",1)'="":$P(NODE,"^",1),1:"UNKNOWN")  
 ..S DRGI=$P(NODE,"^",4),CMOPYN=$P(NODE,"^",5),QY=$P(NODE,"^",3)  
 ..S ^XMB(3.9,XMZ,2,LCNT,0)=" Rx #: "\_RX1\_SYM\_" "\_$S(FIL'>0:"(ORG)",FIL>0:"(REF"\_FIL\_")",1:"")\_" Qty: "\_QY\_" Trans #: "\_BT,LCNT=LCNT+1  
 ..S ^XMB(3.9,XMZ,2,LCNT,0)=" Drug: "\_DRGN,LCNT=LCNT+1  
 ..S ^XMB(3.9,XMZ,2,LCNT,0)=" Transmitted under CMOP ID: "\_$G(DRGI),LCNT=LCNT+1  
 ..S ^XMB(3.9,XMZ,2,LCNT,0)=" Reason: "\_REASON,LCNT=LCNT+1  
 ..S ^XMB(3.9,XMZ,2,LCNT,0)=" Finishing Pharm: "\_PSOFIN,LCNT=LCNT+1 ;EPIP/RTW END NSR 20170709  
 ..I $G(CMOPYN)=1 S ^XMB(3.9,XMZ,2,LCNT,0)=" Note: Local Drug File entry is no longer MARKED for CMOP ",LCNT=LCNT+1  
 ..S:$P(NODE,"^",2)'=$G(DRGI) ^XMB(3.9,XMZ,2,LCNT,0)=" Note: Local Drug File entry is no longer MATCHED to transmitted CMOP I.D. ",LCNT=LCNT+1  
 ..S ^XMB(3.9,XMZ,2,LCNT,0)=" ",LCNT=LCNT+1  
 ..K CMOPYN,FLL,FIL,BT,REASON,DRGI,DRGN,QY,I,SP,SPS,SP1  
 S ^XMB(3.9,XMZ,2,LCNT,0)="Instructions: Prescriptions cannot be processed at CMOP for the reason listed",LCNT=LCNT+1  
 S ^XMB(3.9,XMZ,2,LCNT,0)="above. Please review the prescription and take the appropriate action(s).",LCNT=LCNT+1  
 S ^XMB(3.9,XMZ,2,LCNT,0)="If you have any questions, contact your CMOP contact person.",LCNT=LCNT+1  
 S ^XMB(3.9,XMZ,2,0)="^3.92A^"\_LCNT\_"^"\_LCNT\_"^"\_DT,XMDUN="CMOP Manager"  
 K XMY D GRP S XMDUZ=.5 D ENT1^XMD  
 K XMY,XMDUZ,XMSUB,XMDUN,REASON,RXN,LCNT,XMZ,FILL,FIL,TDT,TDTM,BAT,DOMAIN,PTR,XPTR,FACDOM  
 Q  
INVREL S XMSUB="CMOP Release Return Problems",XMDUZ=DUZ,XMDUN="CMOP Manager"  
 D XMZ^XMA2 G:XMZ<0 INVREL  
 S LCNT=1  
 S RXNN="" F  S RXNN=$O(^TMP($J,"PSXINV",RXNN)) Q:RXNN=""  D  
 .S ^XMB(3.9,XMZ,2,LCNT,0)=RXNN\_" has already been marked as processed",LCNT=LCNT+1  
 S ^XMB(3.9,XMZ,2,0)="^3.92A^"\_LCNT\_"^"\_LCNT\_"^"\_DT,XMDUN="CMOP Manager",XMDUZ=DUZ  
 K XMY S XMY(DUZ)="" D ENT1^XMD  
 Q  
AUTOMSG N TSK D NOW^%DTC S DTE=$$FMTE^XLFDT(%,1),SITE=$P($G(PSXSYS),U,3) K %  
 I $G(PSXCS)'=1 G NONCS ; If not controlled subs   
 D OPTSTAT^XUTMOPT("PSXR SCHEDULED CS TRANS",.TSK)  
 S DTTM=$P($G(TSK(1)),U,2),NUM=+$P($G(TSK(1)),U,3),THRU=$$GET1^DIQ(550,+PSXSYS,12)  
 G MSG1  
NONCS ;  
 D OPTSTAT^XUTMOPT("PSXR SCHEDULED NON-CS TRANS",.TSK)  
 S DTTM=$P($G(TSK(1)),U,2),NUM=+$P($G(TSK(1)),U,3),THRU=$$GET1^DIQ(550,+PSXSYS,11)  
MSG1 S XMDUZ=.5,XMSUB="CMOP "\_$S($G(PSXCS)=1:"CS ",1:"")\_"Auto-Transmission Schedule",LCNT=1  
 I DTTM S Y=DTTM X ^DD("DD") S DTTM=Y I 1  
 E  S DTTM="NONE - Canceled",(NUM,THRU)=""  
 D XMZ^XMA2 G:XMZ<1 AUTOMSG  
 S ^XMB(3.9,XMZ,2,LCNT,0)=$S(DTTM["NONE":"<CANCEL> ",1:"")\_$S($G(PSXCS)=1:"CS ",1:"")\_"Auto-transmission Schedule.",LCNT=LCNT+1  
 S ^XMB(3.9,XMZ,2,LCNT,0)="",LCNT=LCNT+1  
 S ^XMB(3.9,XMZ,2,LCNT,0)="Facility : "\_SITE,LCNT=LCNT+1  
 S ^XMB(3.9,XMZ,2,LCNT,0)="Date Initiated : "\_$P(DTE,":",1,2),LCNT=LCNT+1  
 S ^XMB(3.9,XMZ,2,LCNT,0)="Begin Automatic Transmissions : "\_DTTM,LCNT=LCNT+1  
 S ^XMB(3.9,XMZ,2,LCNT,0)="Number of days to transmit thru: "\_$S((($G(THRU)'>0)&(+NUM)):"Current date",1:$G(THRU)),LCNT=LCNT+1  
 S ^XMB(3.9,XMZ,2,LCNT,0)="Scheduling Frequency (hours) : "\_NUM,LCNT=LCNT+1  
 S ^XMB(3.9,XMZ,2,LCNT,0)="Initiating Official : "\_$$GET1^DIQ(200,DUZ,.01),LCNT=LCNT+1  
 S ^XMB(3.9,XMZ,2,0)="^3.92A^"\_LCNT\_"^"\_LCNT\_"^"\_DT,XMDUN="CMOP Manager"  
 K XMY S XMDUZ=.5  
 D GRP^PSXNOTE  
 ;S XMY(DUZ)=""  
 D ENT1^XMD  
 Q  
GRP I '$D(^XUSEC("PSXMAIL")) G GRP1  
 F MDUZ=0:0 S MDUZ=$O(^XUSEC("PSXMAIL",MDUZ)) Q:MDUZ'>0 S XMY(MDUZ)="",XQA(MDUZ)=""  
 K MDUZ  
 G:'$D(XMY) GRP1  
 Q  
GRP1 F XDUZ=0:0 S XDUZ=$O(^XUSEC("PSXCMOPMGR",XDUZ)) Q:XDUZ'>0 S XMY(XDUZ)="",XQA(XDUZ)=""  
 K XDUZ  
 Q  
 ;  
RXAPI1(IEN,FLD,FORMAT) ;  
 ; Use standard PRE APIs to get Prescription data  
 ; Reference to DIQ^PSODI supported by DBIA #4858  
 ;  
 ; Input  
 ; IEN: Prescription file IEN  
 ; FLD: Prescription field  
 ; FORMAT: E-External (Default)  
 ; I-Internal  
 ; N-Do not return nulls   
 ; Output: Data from Prescription in requested format  
 ;  
 I '$G(IEN)!($G(FLD)="") Q ""  
 N DIQ,DIC,PSXARR,X,Y,D0,PSODIY  
 N I,J,C,DA,DRS,DIL,DI,DIQ1,PSXDIQ  
 S PSXDIQ="PSXARR"  
 S PSXDIQ(0)=$S($G(FORMAT)="":"E",1:FORMAT)  
 D DIQ^PSODI(52,52,.FLD,.IEN,.PSXDIQ) ;DBIA 4858  
 Q $S(PSXDIQ(0)="N":$G(PSXARR(52,IEN,FLD)),1:$G(PSXARR(52,IEN,FLD,PSXDIQ(0))))  
 ;  
ECME(RX) ;  
 ; Returns "e" if last Rx/Refill is Electronically Billable (3rd party)  
 ; Reference to STATUS^PSOBPSUT supported by DBIA #4701  
 ;  
 ; Input:  
 ; RX: Prescription IEN (required)  
 ; Output:  
 ; Null: Not electronically billable to ePharmacy  
 ; 'e': Electronically billable to ePharmacy  
 ;  
 I '$G(RX) Q ""  
 Q $S($$STATUS^PSOBPSUT(RX)'="":"e",1:"")

**PSOUTL**

**Before:**

PSOUTL ;BHAM ISC/SAB - PSO utility routine ;4/28/09 4:14pm

;;7.0;OUTPATIENT PHARMACY;\*\*1,21,126,174,218,259,324,390,313,411,466\*\*;

DEC 1997;Build 2

;External reference to $$SERV^IBARX1 supported by DBIA 2245

;External reference to ^PS(55 supported by DBIA 2228

;External reference to ^PSSDIUTL supported by DBIA 5737

;External reference to ^DD("DD" supported by DBIA 999

;External reference to ^PS(50.7 supported by DBIA 2223

;External reference to ^PSSDSAPM supported by DBIA 5570

;

;\*218 prevent refill from being deleted if pending processing via

; external dispense machines

;\*259 reverse \*218 restrictions & Add del only last refill logic.

;

SUSPCAN ;dcl rx from suspense used in new, renew AND verification of Rxs

S PSLAST=0 F PSI=0:0 S PSI=$O(^PSRX(PSRX,1,PSI)) Q:'PSI S PSLAST=PSI

I PSLAST S PSI=^PSRX(PSRX,1,PSLAST,0) K ^PSRX(PSRX,1,PSLAST),^PSRX(PSRX

,1,"B",+PSI,PSLAST) S ^(0)=$P(^PSRX(PSRX,1,0),"^",1,3)\_"^"\_($P(^(0),"^",4)-1) K

PSLAST,PSI,SUSX,SUS1,SUS2 Q

S $P(^PSRX(PSRX,3),"^",7)="DISCONTINUED FROM SUSPENSE BEFORE FILLING" K

PSI,SUSX,SUS1,SUS2 Q

;

ACTLOG ;

N PSS

F PSI=0:0 S PSI=$O(^PSRX(PSRX,"A",PSI)) I 'PSI!'$O(^(PSI)) S ^PSRX(PSRX

,"A",+PSI+1,0)=DT\_"^"\_PSREA\_"^"\_PSOCLC\_"^"\_PSRXREF\_"^"\_PSMSG,^PSRX(PSRX,"A",0)="

^52.3DA^"\_(+PSI+1)\_"^"\_(+PSI+1) Q

ACTOUT I PSREA="C" S PSI=$S($D(^PSRX(PSRX,2)):+$P(^(2),"^",6),1:0) K:$D(^PS(55

,PSDFN,"P","A",PSI,PSRX)) ^(PSRX) S ^PS(55,PSDFN,"P","A",DT,PSRX)="" Q

I PSREA="R" F PSI=0:0 S PSI=$O(^PSRX(PSRX,"A",PSI)) Q:'PSI I $D(^(PSI,0)),$P(^(0),"^",2)="C" S PSS=+^(0)

I $D(PSS),PSS K:$D(^PS(55,PSDFN,"P","A",PSS,PSRX)) ^(PSRX)

I PSREA="R",$D(^PSRX(PSRX,2))#2 S ^PS(55,PSDFN,"P","A",+$P(^PSRX(PSRX,2),"^",6),PSRX)=""

Q

;

QUES ;INSTRUCTIONS FOR RENEW AND REFILL

W !?5,"Enter the item #(s) or RX #(s) you wish to ",$S(PSFROM="N":"renew ",PSFROM="R":"REFILL "),"separated by commas."

W !?5,"For example: 1,2,5 or 123456,33254A,232323B."

W !?5,"Do not enter the same number twice, duplicates are not allowed."

Q

ENDVCHK N ANS,PSPOP S PSPOP=0 Q:'PSODIV Q:'$P(^PSRX(PSRX,2),"^",9)!($P(^(2),"^",9)=PSOSITE)

CHK1 I '$P(PSOSYS,"^",2) W !?10,$C(7),"RX# ",$P(^PSRX(PSRX,0),"^")," is not a valid choice. (Different Division)" S PSPOP=1 Q

I $P(PSOSYS,"^",3) W !?10,$C(7),"RX# ",$P(^PSRX(PSRX,0),"^")," is from

another division. Continue? (Y/N) " R ANS:DTIME I ANS="^"!(ANS="") S PSPOP=1 Q

I (ANS']"")!("YNyn"'[$E(ANS)) W !?10,$C(7),"Answer 'YES' or 'NO'." G CHK1

S:$E(ANS)["Nn" PSPOP=1 Q

;PSO\*7\*259; SET VAR PSOSFN TO CHECK FOR SUSPENDED REFILL

K52 K PSOSFN S SFN=+$O(^PS(52.5,"B",DA(1),0)),PSOSFN=SFN Q:SFN=0

I $P($G(^PS(52.5,SFN,0)),"^",5)=$P($G(^PSRX(+^PS(52.5,SFN,0),"P",0)),"^

",3),$P($G(^PSRX($P(^PS(52.5,SFN,0),"^"),"P",0)),"^",4)=0 N PSOXX S PSOXX=1 G KILL

G:X'=""&($G(Y)=1) KILL I $G(Y)'=1,SFN I $D(^PS(52.5,SFN,0)),'$P(^(0),"^",5),'$P($G(^("P")),"^") D

.S SDT=+$P(^PS(52.5,SFN,0),"^",2) K ^PS(52.5,"C",SDT,SFN)

.I $P($G(^PS(52.5,SFN,0)),"^",7)="Q" K ^PS(52.5,"AQ",SDT,+$P(^PS(52.5,S

FN,0),"^",3),SFN) D KCMPX^PSOCMOP(SFN,"Q")

.I $P($G(^PS(52.5,SFN,0)),"^",7)="" K ^PS(52.5,"AC",+$P(^PS(52.5,SFN,0),"^",3),SDT,SFN)

.K SFN,SDT

Q

S52 S (RIFN,PSOSX)=0 F S RIFN=$O(^PSRX(DA(1),1,RIFN)) Q:'RIFN S RFID=$P(^

PSRX(DA(1),1,RIFN,0),"^"),PSOSX=PSOSX+1

S SFN=+$O(^PS(52.5,"B",DA(1),0)) I SFN,'$G(^PS(52.5,SFN,"P")),$P($G(^PS

RX($P($G(^PS(52.5,SFN,0)),"^"),"STA")),"^")=5 D

.I '$D(^PS(52.5,SFN,0))!($P($G(^(0)),"^",5)) Q

.S $P(^PS(52.5,SFN,0),"^",2)=RFID,^PS(52.5,"C",RFID,SFN)=""

.I $P($G(^PS(52.5,SFN,0)),"^",7)="Q" S ^PS(52.5,"AQ",RFID,+$P(^PS(52.5,

SFN,0),"^",3),SFN)="" D SCMPX^PSOCMOP(SFN,"Q")

.I $P($G(^PS(52.5,SFN,0)),"^",7)="" S ^PS(52.5,"AC",+$P(^PS(52.5,SFN,0),"^",3),RFID,SFN)=""

K SFN,RIFN,RFID,PSOSX,PSOSXDT Q

KILL N DFN

I SFN D

.S $P(^PSRX(DA(1),"STA"),"^")=0 Q:'$D(^PS(52.5,SFN,0)) S DFN=+$P(^PS(5

2.5,SFN,0),"^",3),PAT=$P(^DPT(DFN,0),"^")

.;I $P(^PS(52.5,SFN,0),"^",5) Q

.K ^PS(52.5,"B",+$P(^PS(52.5,SFN,0),"^"),SFN),^PS(52.5,"C",+$P(^PS(52.5

,SFN,0),"^",2),SFN),^PS(52.5,"D",PAT,SFN),^PS(52.5,"AF",DFN,SFN)

.I $P($G(^PS(52.5,SFN,0)),"^",7)="" D

..I $G(^PS(52.5,SFN,"P")) K ^PS(52.5,"AS",+$P(^(0),"^",8),+$P(^(0),"^",

9),+$P(^(0),"^",6),+$P(^(0),"^",11),SFN),^PS(52.5,"ADL",$E(+$P(^PS(52.5,SFN,0),"

^",8),1,7),SFN) Q

..K ^PS(52.5,"AC",DFN,+$P(^PS(52.5,SFN,0),"^",2),SFN)

.I $P($G(^PS(52.5,SFN,0)),"^",7)'="" D

..;Kill CMOP xrefs

..N PSOC7 S PSOC7=$P($G(^PS(52.5,SFN,0)),"^",7)

..I PSOC7="Q"!(PSOC7="P") K ^PS(52.5,"AG",+$P(^PS(52.5,SFN,0),"^",3),SF

N) D KCMPX^PSOCMOP(SFN,PSOC7)

..I PSOC7="X"!(PSOC7="P")!(PSOC7="L") K ^PS(52.5,$S(PSOC7="X":"AX",PSOC

7="P":"AP",1:"AL"),$P(^PS(52.5,SFN,0),"^",2),$P(^(0),"^",3),SFN) D KCMPX^PSOCMOP

(SFN,PSOC7)

..K ^PS(52.5,"APR",+$P(^PS(52.5,SFN,0),"^",8),+$P(^(0),"^",9),+$P(^(0),

"^",6),+$P(^(0),"^",11),SFN),^PS(52.5,"ADL",$E(+$P(^PS(52.5,SFN,0),"^",8),1,7),S

FN)

.K ^PS(52.5,SFN,0),^PS(52.5,SFN,"P"),DFN,SFN,PAT

S CNT=0 F SUB=0:0 S SUB=$O(^PSRX(DA(1),"A",SUB)) Q:'SUB S CNT=SUB

S:DA>5 DA=DA+1 D NOW^%DTC S CNT=CNT+1

S ^PSRX(DA(1),"A",0)="^52.3DA^"\_CNT\_"^"\_CNT,^PSRX(DA(1),"A",CNT,0)=%\_"^D^"\_DUZ\_"^"\_DA\_"^"

I '$D(PSOXX) S ^PSRX(DA(1),"A",CNT,0)=^PSRX(DA(1),"A",CNT,0)\_"Refill "

;if PSOXX not exist, = refill. otherwise, it is a partial.

S ^PSRX(DA(1),"A",CNT,0)=^PSRX(DA(1),"A",CNT,0)\_$S($G(RESK):"returned t

o stock.",$G(PSOPSDAL):"deleted during Controlled Subs release.",$G(PSOXX)=1:"Pa

rtial deleted from suspense file.",1:"deleted during Rx edit.") K CNT,SUB

Q

CID ;calculates six months limit on issue dates

S PSID=X,X="T-6M",%DT="X" D ^%DT S %DT(0)=Y,X=PSID,%DT="EX" D ^%DT K PSID

Q

CIDH S X="T-6M",%DT="X" D ^%DT X ^DD("DD") D EN^DDIOL("Issue Date must be gr

eater or equal to "\_Y,"","!")

Q

SPR F RF=0:0 S RF=$O(^PSRX(DA(1),1,RF)) Q:'RF S NODE=RF

I NODE=1 S $P(^PSRX(DA(1),3),"^",4)=$P(^PSRX(DA(1),2),"^",2) Q

SREF I $G(NODE) S NODE=NODE-1 G:'$D(^PSRX(DA(1),1,NODE,0)) SREF

I NODE=0 S $P(^PSRX(DA(1),3),"^",4)=$P(^PSRX(DA(1),2),"^",2) Q

S $P(^PSRX(DA(1),3),"^",4)=$P(^PSRX(DA(1),1,NODE,0),"^",1) Q

K NODE,RF

Q

KPR F RF=0:0 S RF=$O(^PSRX(DA(1),1,RF)) Q:'RF S NODE=RF

I NODE=DA&(X'="") S NODE=NODE-1 S:NODE=1 NODE=0 G:'NODE ORIG G:NODE>1 K

REF

I NODE=1 S $P(^PSRX(DA(1),3),"^",4)=$P(^PSRX(DA(1),2),"^",2) G EX

KREF S NODE=NODE-1 G:'NODE EX

I NODE=1 S $P(^PSRX(DA(1),3),"^",4)=$P(^PSRX(DA(1),2),"^",2) G EX

G:NODE=DA&(X'="") KREF G:'$D(^PSRX(DA(1),1,NODE,0)) KREF

ORIG I 'NODE S $P(^PSRX(DA(1),3),"^",4)=$P(^PSRX(DA(1),2),"^",2) G EX

S $P(^PSRX(DA(1),3),"^",4)=$P(^PSRX(DA(1),1,NODE,0),"^",1) G EXEX K NODE,RF

Q

IBSS N PSOHLP S PSOHLP(1,"F")="!!"

S PSOHLP(1)="Entry in this field must match the SERVICE field for pharmacy action"

S PSOHLP(2,"F")="!"

S PSOHLP(2)="types in the IB ACTION TYPE file AND be a valid entry in your"

S PSOHLP(3,"F")="!"

S PSOHLP(3)="SERVICE/SECTION file to generate copay charges!"

S PSOHLP(4,"F")="!!"

D EN^DDIOL(.PSOHLP) K PSOHLP

Q

IBSSR N PSOIBFL,PSOIBLP,PSOIBST S PSOIBFL=0

F PSOIBLP=0:0 S PSOIBLP=$O(^DIC(49,PSOIBLP)) Q:'PSOIBLP!(PSOIBFL) S Y=

PSOIBLP,PSOIBST=$$SERV^IBARX1(+Y) I $G(PSOIBST) S DIE="^PS(59,",DA=PSOSITE,DR="1

003////"\_PSOIBLP D ^DIE K DIE D S PSOIBFL=1

.W $C(7),!!,"There was an invalid entry in your IB SERVICE/SECTION field in your Outpatient",!,"Site Parameter file, but we have fixed the problem for you, and you",!,"may continue!" Q

Q

WARN ;

I $G(PSOUNHLD) D Q

.D EN^DDIOL("You cannot delete a refill while removing from Hold! Use t

he Edit Action.","","$C(7),!!"),EN^DDIOL(" ","","!!")

I $G(CMOP(DA))]""&(+$G(CMOP(DA))<3) D K CMOP Q

.D EN^DDIOL("You cannot delete a refill that"\_$S(+$G(CMOP(DA))=1:" has

been released by",1:" is being transmitted to")\_" the CMOP","","!!")

.D EN^DDIOL(" ","","!!")

K CMOP

;

N PSOL,PSR

S PSR=0 F S PSR=$O(^PSRX(DA(1),1,PSR)) Q:'PSR S PSOL=PSR

I DA=PSOL,$P(^PSRX(DA(1),1,DA,0),"^",18) D Q

.D EN^DDIOL("Refill Released! Use the 'Return to Stock' option!","","$C(7),!!"),EN^DDIOL(" ","","!")

;

;Only allow deletion if last refill \*259

I $O(^PSRX(DA(1),1,DA)) D Q

.D EN^DDIOL("Only the last refill can be deleted. Later refills must be deleted first.","","$C(7),!!")

.D EN^DDIOL("","","!!")

;

;Warn of In Process, Only delete if answered Yes ;\*259

I $$REFIP^PSOUTLA1(DA(1),DA,"R") D I 'Y Q ;reset $T

. D EN^DDIOL("\*\* Refill has previously been sent to the External Dispen

se Machine","","!!,?2")

. D EN^DDIOL("\*\* for filling and is still Pending Processing","","$C(7),!,?2")

. D EN^DDIOL("","","!")

. K DIR

. S DIR("A")="Do you want to continue? "

. S DIR("B")="Y"

. S DIR(0)="YA^^"

. S DIR("?")="Enter Y for Yes or N for No."

. D ^DIR

. K DIR

Q

;

WARN1 ;move to PSOUTLA1

D WARN1^PSOUTLA1

Q

;

CAN(PSOXRX) ;Clean up Rx when discontinued

N SUSD,IFN,RF,NODE,DA

Q:'$D(^PSRX(PSOXRX,0))

S DA=$O(^PS(52.5,"B",PSOXRX,0)) I DA S DIK="^PS(52.5,",SUSD=$P($G(^PS(5

2.5,DA,0)),"^",2) D ^DIK K DIK I $O(^PSRX(PSOXRX,1,0)) S DA=PSOXRX D REF^PSOCAN2

I $D(^PS(52.4,PSOXRX,0)) S DIK="^PS(52.4,",DA=PSOXRX D ^DIK K DIK

I $G(^PSRX(PSOXRX,"H"))]"" K:$P(^PSRX(PSOXRX,"H"),"^") ^PSRX("AH",$P(^P

SRX(PSOXRX,"H"),"^"),PSOXRX) S ^PSRX(PSOXRX,"H")=""

I '$P($G(^PSRX(PSOXRX,2)),"^",2) K DIE S DIE="^PSRX(",DA=PSOXRX,DR="22/

//"\_DT D ^DIE

Q

ECAN(PSOXRX) ;Clean up Rx when expired

N DA

Q:'$D(^PSRX(PSOXRX,0))

S DA=$O(^PS(52.5,"B",PSOXRX,0)) I DA K DIK S DIK="^PS(52.5," D ^DIK K DIK

I $D(^PS(52.4,PSOXRX,0)) K DIK S DIK="^PS(52.4,",DA=PSOXRX D ^DIK K DIK

I $G(^PSRX(PSOXRX,"H"))]"" K:$P(^PSRX(PSOXRX,"H"),"^") ^PSRX("AH",$P(^P

SRX(PSOXRX,"H"),"^"),PSOXRX) S ^PSRX(PSOXRX,"H")=""

I '$P($G(^PSRX(PSOXRX,2)),"^",2) K DIE S DIE="^PSRX(",DA=PSOXRX,DR="22/

//"\_DT D ^DIE K DA,DR

Q

CMOP ;CMOP("L")=LAST FILL... if it is orig Rx =0

;CMOP(FILL #)=CMOP status from 52[TRAN=0,DISP=1,RETRAN=2,NOT DISP=3

;If suspended CMOP("S")=CMOP suspense status Q,L,X,P,R

;All returned variables can be killed by K CMOP

;

S CRX=DA

CMOP1 N X

S (CMOP("L"),X)=0 F S X=$O(^PSRX(CRX,1,X)) Q:'X S CMOP("L")=X

I $O(^PSRX(CRX,4,0)) F X=0:0 S X=$O(^PSRX(CRX,4,X)) Q:'X D

.S CMOP($P($G(^PSRX(CRX,4,X,0)),"^",3))=$P($G(^(0)),"^",4)

S X=$O(^PS(52.5,"B",CRX,0)) I X]"" S CMOP("S")=$P($G(^PS(52.5,X,0)),"^",7)

K CRX,X

Q

;

CHKCMOP(RX,REA) ;Check if an RX is Transmitted/Retransmitted to CMOP and send alert mail

;

; Input: RX - ien to file #52

; REA - reason DC's "A" = admission, "D" = death

; Output: none

;

N CMOP,PSOCMOP

S REA=$G(REA)

I $$TRANCMOP(RX),$G(PSOCMOP)]"" D MAILCMOP(RX,PSOCMOP,REA)

Q

;

TRANCMOP(RX) ;check if a fill is Transmitted or Retransmitted

;

; Input: = RX number

; Function output:= RX number if CMOP status is Trans or Retrans

; = 0 if neither

; Global parm out:= PSOCMOP = string from call to ^PSOCMOPA

;

N DA,PSOTRANS

S DA=RX D ^PSOCMOPA

S PSOTRANS=$P($G(PSOCMOP),"^")

Q:PSOTRANS=0!(PSOTRANS=2) RX

Q 0

;

MAILCMOP(RX,STR,REA) ;Send mail message to mail group PSX EXTERNAL DISPENSE ALERTS

;

; Input: RX = ien of PSRX

; STR = CMOP STATUS # ^ TRANSMIT DATE (FM) ^ LAST FILL #

; REA = reason DC'd "A" = admission, "D" = death

; Output: none

;

N CMDT,CMST,DFN,VADM,PSOTEXT,PSOIEN,PSOKEYN,XMY,XMDUZ,XMSUB,XMTEXT

N DIV,SSN,RXO,FILL,DRUG,DIVN,MAILGRP,NAME,PRV,RXSTS

S RXO=$$GET1^DIQ(52,RX,.01)

S CMDT=$P(STR,U,2)

S CMDT=$E(CMDT,4,5)\_"/"\_$E(CMDT,6,7)\_"/"\_$E(CMDT,2,3)

S FILL=$P(STR,U,3)

S CMST=$P(STR,U),CMST=$S(CMST=2:"RETRANSMITTED",1:"TRANSMITTED")

S DIV=$P(^PSRX(RX,2),"^",9),DIVN=$P($G(^PS(59,DIV,0)),"^")

S MAILGRP="PSX EXTERNAL DISPENSE ALERTS"

S XMY("G."\_MAILGRP)=""

;if no members & no member groups & no remote members, then send to

; the default: PSXCMOPMGR key holders

S PSOIEN=$O(^XMB(3.8,"B",MAILGRP,0))

I '$O(^XMB(3.8,PSOIEN,1,0))&'$O(^XMB(3.8,PSOIEN,5,0))&'$O(^XMB(3.8,PSOI

EN,6,0)) D

. S PSOKEYN=0

. F S PSOKEYN=$O(^XUSEC("PSXCMOPMGR",PSOKEYN)) Q:'PSOKEYN D

. . S XMY(PSOKEYN)=""

S DFN=$$GET1^DIQ(52,RX,2,"I") D DEM^VADPT

S NAME=VADM(1)

S SSN=$P($P(VADM(2),"^",2),"-",3)

S RXSTS=$$GET1^DIQ(52,RX,100)

S DRUG=$$GET1^DIQ(52,RX,6)

S PRV=$$GET1^DIQ(52,RX,4)

S XMDUZ=.5

S XMSUB=DIVN\_" - DC Alert on CMOP Rx "\_RXO\_" "\_CMST

S PSOTEXT(1)=" Rx #: "\_RXO\_" Fill: "\_FILL

S PSOTEXT(2)=" Patient: "\_NAME\_" ("\_SSN\_")"

S PSOTEXT(3)=" Drug: "\_DRUG

S PSOTEXT(4)=" Rx Status: "\_RXSTS

S:REA="A" PSOTEXT(4)=PSOTEXT(4)\_" (due to Admission)"

S:REA="D" PSOTEXT(4)=PSOTEXT(4)\_" (due to Date of Death)"

S PSOTEXT(5)="Processing Status: "\_CMST\_" to CMOP on "\_CMDT

S PSOTEXT(6)=" Provider: "\_PRV

S PSOTEXT(7)=""

S PSOTEXT(8)="\*\*\*\*\*\*\*\* Please contact CMOP or take appropriate actio

n \*\*\*\*\*\*\*\*"

S XMTEXT="PSOTEXT(" D ^XMD

D KVA^VADPT

Q

;

PSOCK ;

W !!!,"\*The following list of order checks is a comprehensive report of all"

W !,"Outpatient, Non-VA, and Clinic medication orders on this patient's profile."

W !,"It may include orders that are local, remote, active, pending, recently"

W !,"discontinued, or expired. Please note that the sort order and format"

W !,"displayed in this report differs from the display of MOCHA 1.0 order"

W !,"checks which occurs during order processing.\*",!

Q

;

PSSDGCK ;

D ^PSSDIUTL

Q

;

PSOSUPCK(CHK) ;

I $G(PSODGCKX) Q 0

I '($P($G(^PSDRUG(CHK,0)),"^",3)["S"!($E($P($G(^PSDRUG(CHK,0)),"^",2),1,2)="XA")) K CHK Q 0

W !!,"You have selected a supply item, please select another drug"

W !,"or leave blank and hit enter for Profile Order Checks." W !

K CHK

Q 1

;

OICHK(DGCKSTA,DGCKDNM) ;only orderable item on order (no drug)

;find associated drug for orderable item

N PSORD,PSOI,PSODRUG2,DTOUT,DUOUT

S PSOI=""

I DGCKSTA="PENDING" D

.S PSORD=$P(PSOSD(DGCKSTA,DGCKDNM),"^",10) Q:PSORD=""

.S PSOI=$P($G(^PS(52.41,PSORD,0)),"^",8)

I DGCKSTA="ZNONVA" D

.S PSORD=$P(PSOSD(DGCKSTA,DGCKDNM),"^",10) Q:PSORD=""

.I $G(DFN)]"" S PSOI=$P(^PS(55,DFN,"NVA",PSORD,0),"^")

I PSOI]"" D

.S PSODRUG2=$$DRG^PSSDSAPM(PSOI,"O") Q:PSODRUG2=""

.S Y=$P(PSODRUG2,";"),DIC=50,DIC(0)="MQZV",X=+Y D ^DIC K DIC,DTOUT,DUOUT

K PSORD,PSOI,PSODRUG2

Q

;

DISCK(PSRX) ;

;screen out discontinued Rx's greater than business rule calculation

;(cancel date + days supply + 7 days)

N X,Y,X1,X2

S X1=$P($G(^PSRX(PSRX,3)),"^",5),X2=(+$P(^PSRX(PSRX,0),"^",8)+7)

D C^%DTC

I DT>X Q 1

Q 0

;

PRFLP ;

N PSODRUG,PSODGCRX,PSOALLGY,PSODRIEN,PSODATA,PSRX

S (DGCKSTA,DGCKDNM)="",PSODGCKF=1

I $D(PSOSD) D

.F S DGCKSTA=$O(PSOSD(DGCKSTA)) Q:DGCKSTA="" F S DGCKDNM=$O(PSOSD(DG

CKSTA,DGCKDNM)) Q:DGCKDNM="" D

..S DIC=50,DIC(0)="MQZV",X=DGCKDNM D ^DIC K DIC

..S DIC=50,DIC(0)="MQZV",X=+Y D ^DIC K DIC

..I Y=-1 D

...;for pending or non-VA orders, only an orderable item might be on the order

...D OICHK(DGCKSTA,DGCKDNM)

..I Y=-1!(Y="") Q

..;check business rule for discontinued orders

..I DGCKSTA="DISCONTINUED" S PSRX=$P(PSOSD(DGCKSTA,DGCKDNM),"^") I $$DISCK(PSRX) Q

..S PSODRUG("IEN")=$P(Y,"^"),PSODRUG("VA CLASS")=$P(Y(0),"^",2),PSODRUG("NAME")=$P(Y(0),"^")

..I '$D(PSOALLGY(DGCKDNM,PSODRUG("IEN"))) S PSOALLGY(DGCKDNM,PSODRUG("IEN"))=PSODRUG("VA CLASS")\_"^"\_PSODRUG("NAME")\_"^"\_$P(PSOSD(DGCKSTA,DGCKDNM),"^")

.S (DGCKDNM,PSODRIEN)=""

.F S DGCKDNM=$O(PSOALLGY(DGCKDNM)) Q:DGCKDNM="" F S PSODRIEN=$O(PSOA

LLGY(DGCKDNM,PSODRIEN)) Q:PSODRIEN="" D

..S PSODRUG("IEN")=PSODRIEN,PSODATA="",PSODATA=PSOALLGY(DGCKDNM,PSODRIE

N)

..S PSODRUG("VA CLASS")=$P(PSODATA,"^"),PSODRUG("NAME")=$P(PSODATA,"^",2)

..S:+$G(^PSDRUG(PSODRUG("IEN"),2)) PSODRUG("OI")=+$G(^(2)),PSODRUG("OIN")=$P(^PS(50.7,+$G(^(2)),0),"^")

..S PSODRUG("NDF")=$S($G(^PSDRUG(PSODRUG("IEN"),"ND"))]"":+^("ND")\_"A"\_$P(^("ND"),"^",3),1:0)

..S PSODFN=DFN S PSODGCRX=$P(PSODATA,"^",3)

..D ^PSODGAL1

..K X,Y,DTOUT,DUOUT

K DGCKSTA,DGCKDNM,PSODGCKF,X,Y,DTOUT,DUOUT

Q

;

TITRX(RX) ; Returns the titration/maintenance flags

;

I '$G(RX) Q ""

I '$D(^PSRX(RX,0)) Q ""

I $$GET1^DIQ(52,RX,45.1,"I") Q "m"

I $$GET1^DIQ(52,RX,45.2,"I")!$$GET1^DIQ(52,RX,45.3,"I") Q "t"

Q ""

;

LTHEN(RX) ; Looks for a THEN anywhere in the Complex Order.

; Returns: 1 if found and 0 if not found. Complex Order must contain a

t least one THEN conjunction

; in order to mark it as a Titration Rx.

N PSOCOUNT,PSOTHEN,FNDTHEN

S (PSOCOUNT,PSOTHEN,FNDTHEN)=""

F S PSOCOUNT=$O(^PSRX(RX,6,PSOCOUNT)) Q:PSOCOUNT=""!(FNDTHEN'="") D

. S PSOTHEN=$P($G(^PSRX(RX,6,PSOCOUNT,0)),"^",6)

. I PSOTHEN="T" S FNDTHEN=1 Q

I $G(FNDTHEN)="" Q 0

Q 1

**PSOUTL**

**After:**

PSOUTL ;BHAM ISC/SAB - PSO utility routine ; 12/29/17 10:01am  
 ;;7.0;OUTPATIENT PHARMACY;\*\*1,21,126,174,218,259,324,390,313,411,466,503\*\*;DEC 1997;Build 2  
 ;External reference to $$SERV^IBARX1 supported by DBIA 2245  
 ;External reference to ^PS(55 supported by DBIA 2228  
 ;External reference to ^PSSDIUTL supported by DBIA 5737  
 ;External reference to ^DD("DD" supported by DBIA 999  
 ;External reference to ^PS(50.7 supported by DBIA 2223  
 ;External reference to ^PSSDSAPM supported by DBIA 5570  
 ;  
 ;\*218 prevent refill from being deleted if pending processing via  
 ; external dispense machines  
 ;\*259 reverse \*218 restrictions & Add del only last refill logic.  
 ;  
SUSPCAN ;dcl rx from suspense used in new, renew AND verification of Rxs  
 S PSLAST=0 F PSI=0:0 S PSI=$O(^PSRX(PSRX,1,PSI)) Q:'PSI  S PSLAST=PSI  
 I PSLAST S PSI=^PSRX(PSRX,1,PSLAST,0) K ^PSRX(PSRX,1,PSLAST),^PSRX(PSRX,1,"B",+PSI,PSLAST) S ^(0)=$P(^PSRX(PSRX,1,0),"^",1,3)\_"^"\_($P(^(0),"^",4)-1) K PSLAST,PSI,SUSX,SUS1,SUS2 Q  
 S $P(^PSRX(PSRX,3),"^",7)="DISCONTINUED FROM SUSPENSE BEFORE FILLING" K PSI,SUSX,SUS1,SUS2 Q  
 ;  
ACTLOG ;  
 N PSS  
 F PSI=0:0 S PSI=$O(^PSRX(PSRX,"A",PSI)) I 'PSI!'$O(^(PSI)) S ^PSRX(PSRX,"A",+PSI+1,0)=DT\_"^"\_PSREA\_"^"\_PSOCLC\_"^"\_PSRXREF\_"^"\_PSMSG,^PSRX(PSRX,"A",0)="^52.3DA^"\_(+PSI+1)\_"^"\_(+PSI+1) Q  
ACTOUT I PSREA="C" S PSI=$S($D(^PSRX(PSRX,2)):+$P(^(2),"^",6),1:0) K:$D(^PS(55,PSDFN,"P","A",PSI,PSRX)) ^(PSRX) S ^PS(55,PSDFN,"P","A",DT,PSRX)="" Q  
 I PSREA="R" F PSI=0:0 S PSI=$O(^PSRX(PSRX,"A",PSI)) Q:'PSI  I $D(^(PSI,0)),$P(^(0),"^",2)="C" S PSS=+^(0)  
 I $D(PSS),PSS K:$D(^PS(55,PSDFN,"P","A",PSS,PSRX)) ^(PSRX)  
 I PSREA="R",$D(^PSRX(PSRX,2))#2 S ^PS(55,PSDFN,"P","A",+$P(^PSRX(PSRX,2),"^",6),PSRX)=""  
 Q  
 ;  
QUES ;INSTRUCTIONS FOR RENEW AND REFILL  
 W !?5,"Enter the item #(s) or RX #(s) you wish to ",$S(PSFROM="N":"renew ",PSFROM="R":"REFILL "),"separated by commas."  
 W !?5,"For example: 1,2,5 or 123456,33254A,232323B."  
 W !?5,"Do not enter the same number twice, duplicates are not allowed."  
 Q  
ENDVCHK N ANS,PSPOP S PSPOP=0 Q:'PSODIV  Q:'$P(^PSRX(PSRX,2),"^",9)!($P(^(2),"^",9)=PSOSITE)  
CHK1 I '$P(PSOSYS,"^",2) W !?10,$C(7),"RX# ",$P(^PSRX(PSRX,0),"^")," is not a valid choice. (Different Division)" S PSPOP=1 Q  
 I $P(PSOSYS,"^",3) W !?10,$C(7),"RX# ",$P(^PSRX(PSRX,0),"^")," is from another division. Continue? (Y/N) " R ANS:DTIME I ANS="^"!(ANS="") S PSPOP=1 Q  
 I (ANS']"")!("YNyn"'[$E(ANS)) W !?10,$C(7),"Answer 'YES' or 'NO'." G CHK1  
 S:$E(ANS)["Nn" PSPOP=1 Q  
 ;PSO\*7\*259; SET VAR PSOSFN TO CHECK FOR SUSPENDED REFILL  
K52 K PSOSFN S SFN=+$O(^PS(52.5,"B",DA(1),0)),PSOSFN=SFN Q:SFN=0  
 I $P($G(^PS(52.5,SFN,0)),"^",5)=$P($G(^PSRX(+^PS(52.5,SFN,0),"P",0)),"^",3),$P($G(^PSRX($P(^PS(52.5,SFN,0),"^"),"P",0)),"^",4)=0 N PSOXX S PSOXX=1 G KILL  
 G:X'=""&($G(Y)=1) KILL I $G(Y)'=1,SFN I $D(^PS(52.5,SFN,0)),'$P(^(0),"^",5),'$P($G(^("P")),"^") D  
 .S SDT=+$P(^PS(52.5,SFN,0),"^",2) K ^PS(52.5,"C",SDT,SFN)  
 .I $P($G(^PS(52.5,SFN,0)),"^",7)="Q" K ^PS(52.5,"AQ",SDT,+$P(^PS(52.5,SFN,0),"^",3),SFN) D KCMPX^PSOCMOP(SFN,"Q")  
 .I $P($G(^PS(52.5,SFN,0)),"^",7)="" K ^PS(52.5,"AC",+$P(^PS(52.5,SFN,0),"^",3),SDT,SFN)  
 .K SFN,SDT  
 Q  
S52 S (RIFN,PSOSX)=0 F  S RIFN=$O(^PSRX(DA(1),1,RIFN)) Q:'RIFN  S RFID=$P(^PSRX(DA(1),1,RIFN,0),"^"),PSOSX=PSOSX+1  
 S SFN=+$O(^PS(52.5,"B",DA(1),0)) I SFN,'$G(^PS(52.5,SFN,"P")),$P($G(^PSRX($P($G(^PS(52.5,SFN,0)),"^"),"STA")),"^")=5 D  
 .I '$D(^PS(52.5,SFN,0))!($P($G(^(0)),"^",5)) Q  
 .S $P(^PS(52.5,SFN,0),"^",2)=RFID,^PS(52.5,"C",RFID,SFN)=""  
 .I $P($G(^PS(52.5,SFN,0)),"^",7)="Q" S ^PS(52.5,"AQ",RFID,+$P(^PS(52.5,SFN,0),"^",3),SFN)="" D SCMPX^PSOCMOP(SFN,"Q")  
 .I $P($G(^PS(52.5,SFN,0)),"^",7)="" S ^PS(52.5,"AC",+$P(^PS(52.5,SFN,0),"^",3),RFID,SFN)=""  
 K SFN,RIFN,RFID,PSOSX,PSOSXDT Q  
KILL N DFN  
 I SFN D  
 .S $P(^PSRX(DA(1),"STA"),"^")=0 Q:'$D(^PS(52.5,SFN,0)) S DFN=+$P(^PS(52.5,SFN,0),"^",3),PAT=$P(^DPT(DFN,0),"^")  
 .;I $P(^PS(52.5,SFN,0),"^",5) Q  
 .K ^PS(52.5,"B",+$P(^PS(52.5,SFN,0),"^"),SFN),^PS(52.5,"C",+$P(^PS(52.5,SFN,0),"^",2),SFN),^PS(52.5,"D",PAT,SFN),^PS(52.5,"AF",DFN,SFN)  
 .I $P($G(^PS(52.5,SFN,0)),"^",7)="" D  
 ..I $G(^PS(52.5,SFN,"P")) K ^PS(52.5,"AS",+$P(^(0),"^",8),+$P(^(0),"^",9),+$P(^(0),"^",6),+$P(^(0),"^",11),SFN),^PS(52.5,"ADL",$E(+$P(^PS(52.5,SFN,0),"^",8),1,7),SFN) Q  
 ..K ^PS(52.5,"AC",DFN,+$P(^PS(52.5,SFN,0),"^",2),SFN)  
 .I $P($G(^PS(52.5,SFN,0)),"^",7)'="" D  
 ..;Kill CMOP xrefs  
 ..N PSOC7 S PSOC7=$P($G(^PS(52.5,SFN,0)),"^",7)  
 ..I PSOC7="Q"!(PSOC7="P") K ^PS(52.5,"AG",+$P(^PS(52.5,SFN,0),"^",3),SFN) D KCMPX^PSOCMOP(SFN,PSOC7)  
 ..I PSOC7="X"!(PSOC7="P")!(PSOC7="L") K ^PS(52.5,$S(PSOC7="X":"AX",PSOC7="P":"AP",1:"AL"),$P(^PS(52.5,SFN,0),"^",2),$P(^(0),"^",3),SFN) D KCMPX^PSOCMOP(SFN,PSOC7)  
 ..K ^PS(52.5,"APR",+$P(^PS(52.5,SFN,0),"^",8),+$P(^(0),"^",9),+$P(^(0),"^",6),+$P(^(0),"^",11),SFN),^PS(52.5,"ADL",$E(+$P(^PS(52.5,SFN,0),"^",8),1,7),SFN)  
 .K ^PS(52.5,SFN,0),^PS(52.5,SFN,"P"),DFN,SFN,PAT  
 S CNT=0 F SUB=0:0 S SUB=$O(^PSRX(DA(1),"A",SUB)) Q:'SUB  S CNT=SUB  
 S:DA>5 DA=DA+1 D NOW^%DTC S CNT=CNT+1  
 S ^PSRX(DA(1),"A",0)="^52.3DA^"\_CNT\_"^"\_CNT,^PSRX(DA(1),"A",CNT,0)=%\_"^D^"\_DUZ\_"^"\_DA\_"^"  
 I '$D(PSOXX) S ^PSRX(DA(1),"A",CNT,0)=^PSRX(DA(1),"A",CNT,0)\_"Refill "  
 ;if PSOXX not exist, = refill. otherwise, it is a partial.  
 S ^PSRX(DA(1),"A",CNT,0)=^PSRX(DA(1),"A",CNT,0)\_$S($G(RESK):"returned to stock.",$G(PSOPSDAL):"deleted during Controlled Subs release.",$G(PSOXX)=1:"Partial deleted from suspense file.",1:"deleted during Rx edit.") K CNT,SUB  
 Q  
CID ;calculates six months limit on issue dates  
 S PSID=X,X="T-6M",%DT="X" D ^%DT S %DT(0)=Y,X=PSID,%DT="EX" D ^%DT K PSID  
 Q  
CIDH S X="T-6M",%DT="X" D ^%DT X ^DD("DD") D EN^DDIOL("Issue Date must be greater or equal to "\_Y,"","!")  
 Q  
SPR F RF=0:0 S RF=$O(^PSRX(DA(1),1,RF)) Q:'RF  S NODE=RF  
 I NODE=1 S $P(^PSRX(DA(1),3),"^",4)=$P(^PSRX(DA(1),2),"^",2) Q  
SREF I $G(NODE) S NODE=NODE-1 G:'$D(^PSRX(DA(1),1,NODE,0)) SREF  
 I NODE=0 S $P(^PSRX(DA(1),3),"^",4)=$P(^PSRX(DA(1),2),"^",2) Q  
 S $P(^PSRX(DA(1),3),"^",4)=$P(^PSRX(DA(1),1,NODE,0),"^",1) Q  
 K NODE,RF  
 Q  
KPR F RF=0:0 S RF=$O(^PSRX(DA(1),1,RF)) Q:'RF  S NODE=RF  
 I NODE=DA&(X'="") S NODE=NODE-1 S:NODE=1 NODE=0 G:'NODE ORIG G:NODE>1 KREF  
 I NODE=1 S $P(^PSRX(DA(1),3),"^",4)=$P(^PSRX(DA(1),2),"^",2) G EX  
KREF S NODE=NODE-1 G:'NODE EX  
 I NODE=1 S $P(^PSRX(DA(1),3),"^",4)=$P(^PSRX(DA(1),2),"^",2) G EX  
 G:NODE=DA&(X'="") KREF G:'$D(^PSRX(DA(1),1,NODE,0)) KREF  
ORIG I 'NODE S $P(^PSRX(DA(1),3),"^",4)=$P(^PSRX(DA(1),2),"^",2) G EX  
 S $P(^PSRX(DA(1),3),"^",4)=$P(^PSRX(DA(1),1,NODE,0),"^",1) G EX  
EX K NODE,RF  
 Q  
IBSS N PSOHLP S PSOHLP(1,"F")="!!"  
 S PSOHLP(1)="Entry in this field must match the SERVICE field for pharmacy action"  
 S PSOHLP(2,"F")="!"  
 S PSOHLP(2)="types in the IB ACTION TYPE file AND be a valid entry in your"  
 S PSOHLP(3,"F")="!"  
 S PSOHLP(3)="SERVICE/SECTION file to generate copay charges!"  
 S PSOHLP(4,"F")="!!"  
 D EN^DDIOL(.PSOHLP) K PSOHLP  
 Q  
IBSSR N PSOIBFL,PSOIBLP,PSOIBST S PSOIBFL=0  
 F PSOIBLP=0:0 S PSOIBLP=$O(^DIC(49,PSOIBLP)) Q:'PSOIBLP!(PSOIBFL) S Y=PSOIBLP,PSOIBST=$$SERV^IBARX1(+Y) I $G(PSOIBST) S DIE="^PS(59,",DA=PSOSITE,DR="1003////"\_PSOIBLP D ^DIE K DIE D  S PSOIBFL=1  
 .W $C(7),!!,"There was an invalid entry in your IB SERVICE/SECTION field in your Outpatient",!,"Site Parameter file, but we have fixed the problem for you, and you",!,"may continue!" Q  
 Q  
WARN ;  
 I $G(PSOUNHLD) D  Q  
 .D EN^DDIOL("You cannot delete a refill while removing from Hold! Use the Edit Action.","","$C(7),!!"),EN^DDIOL(" ","","!!")  
 I $G(CMOP(DA))]""&(+$G(CMOP(DA))<3) D  K CMOP Q  
 .D EN^DDIOL("You cannot delete a refill that"\_$S(+$G(CMOP(DA))=1:" has been released by",1:" is being transmitted to")\_" the CMOP","","!!")  
 .D EN^DDIOL(" ","","!!")  
 K CMOP  
 ;  
 N PSOL,PSR  
 S PSR=0 F  S PSR=$O(^PSRX(DA(1),1,PSR)) Q:'PSR  S PSOL=PSR  
 I DA=PSOL,$P(^PSRX(DA(1),1,DA,0),"^",18) D  Q  
 .D EN^DDIOL("Refill Released! Use the 'Return to Stock' option!","","$C(7),!!"),EN^DDIOL(" ","","!")  
 ;  
 ;Only allow deletion if last refill \*259  
 I $O(^PSRX(DA(1),1,DA)) D  Q  
 .D EN^DDIOL("Only the last refill can be deleted. Later refills must be deleted first.","","$C(7),!!")  
 .D EN^DDIOL("","","!!")  
 ;  
 ;Warn of In Process, Only delete if answered Yes ;\*259  
 I $$REFIP^PSOUTLA1(DA(1),DA,"R") D  I 'Y Q               ;reset $T  
 . D EN^DDIOL("\*\* Refill has previously been sent to the External Dispense Machine","","!!,?2")  
 . D EN^DDIOL("\*\* for filling and is still Pending Processing","","$C(7),!,?2")  
 . D EN^DDIOL("","","!")  
 . K DIR  
 . S DIR("A")="Do you want to continue? "  
 . S DIR("B")="Y"  
 . S DIR(0)="YA^^"  
 . S DIR("?")="Enter Y for Yes or N for No."  
 . D ^DIR  
 . K DIR  
 Q  
 ;  
WARN1 ;move to PSOUTLA1  
 D WARN1^PSOUTLA1  
 Q  
 ;  
CAN(PSOXRX) ;Clean up Rx when discontinued  
 N SUSD,IFN,RF,NODE,DA  
 Q:'$D(^PSRX(PSOXRX,0))  
 S DA=$O(^PS(52.5,"B",PSOXRX,0)) I DA S DIK="^PS(52.5,",SUSD=$P($G(^PS(52.5,DA,0)),"^",2) D ^DIK K DIK I $O(^PSRX(PSOXRX,1,0)) S DA=PSOXRX D REF^PSOCAN2  
 I $D(^PS(52.4,PSOXRX,0)) S DIK="^PS(52.4,",DA=PSOXRX D ^DIK K DIK  
 I $G(^PSRX(PSOXRX,"H"))]"" K:$P(^PSRX(PSOXRX,"H"),"^") ^PSRX("AH",$P(^PSRX(PSOXRX,"H"),"^"),PSOXRX) S ^PSRX(PSOXRX,"H")=""  
 I '$P($G(^PSRX(PSOXRX,2)),"^",2) K DIE S DIE="^PSRX(",DA=PSOXRX,DR="22///"\_DT D ^DIE  
 Q  
ECAN(PSOXRX) ;Clean up Rx when expired  
 N DA  
 Q:'$D(^PSRX(PSOXRX,0))  
 S DA=$O(^PS(52.5,"B",PSOXRX,0)) I DA K DIK S DIK="^PS(52.5," D ^DIK K DIK  
 I $D(^PS(52.4,PSOXRX,0)) K DIK S DIK="^PS(52.4,",DA=PSOXRX D ^DIK K DIK  
 I $G(^PSRX(PSOXRX,"H"))]"" K:$P(^PSRX(PSOXRX,"H"),"^") ^PSRX("AH",$P(^PSRX(PSOXRX,"H"),"^"),PSOXRX) S ^PSRX(PSOXRX,"H")=""  
 I '$P($G(^PSRX(PSOXRX,2)),"^",2) K DIE S DIE="^PSRX(",DA=PSOXRX,DR="22///"\_DT D ^DIE K DA,DR  
 Q  
CMOP ;CMOP("L")=LAST FILL... if it is orig Rx =0  
 ;CMOP(FILL #)=CMOP status from 52[TRAN=0,DISP=1,RETRAN=2,NOT DISP=3  
 ;If suspended CMOP("S")=CMOP suspense status Q,L,X,P,R  
 ;All returned variables can be killed by K CMOP  
 ;  
 S CRX=DA  
CMOP1 N X  
 S (CMOP("L"),X)=0 F  S X=$O(^PSRX(CRX,1,X)) Q:'X  S CMOP("L")=X  
 I $O(^PSRX(CRX,4,0)) F X=0:0 S X=$O(^PSRX(CRX,4,X)) Q:'X  D  
 .S CMOP($P($G(^PSRX(CRX,4,X,0)),"^",3))=$P($G(^(0)),"^",4)  
 S X=$O(^PS(52.5,"B",CRX,0)) I X]"" S CMOP("S")=$P($G(^PS(52.5,X,0)),"^",7)  
 K CRX,X  
 Q  
 ;  
CHKCMOP(RX,REA) ;Check if an RX is Transmitted/Retransmitted to CMOP and send alert mail  
 ;  
 ; Input: RX - ien to file #52  
 ; REA - reason DC's "A" = admission, "D" = death  
 ; Output: none  
 ;  
 N CMOP,PSOCMOP  
 S REA=$G(REA)  
 I $$TRANCMOP(RX),$G(PSOCMOP)]"" D MAILCMOP(RX,PSOCMOP,REA)  
 Q  
 ;  
TRANCMOP(RX) ;check if a fill is Transmitted or Retransmitted  
 ;  
 ; Input: = RX number  
 ; Function output:= RX number if CMOP status is Trans or Retrans  
 ; = 0 if neither  
 ; Global parm out:= PSOCMOP = string from call to ^PSOCMOPA  
 ;  
 N DA,PSOTRANS  
 S DA=RX D ^PSOCMOPA  
 S PSOTRANS=$P($G(PSOCMOP),"^")  
 Q:PSOTRANS=0!(PSOTRANS=2) RX  
 Q 0  
 ;  
MAILCMOP(RX,STR,REA) ;Send mail message to mail group PSX EXTERNAL DISPENSE ALERTS  
 ;  
 ; Input: RX = ien of PSRX  
 ; STR = CMOP STATUS # ^ TRANSMIT DATE (FM) ^ LAST FILL #  
 ; REA = reason DC'd "A" = admission, "D" = death  
 ; Output: none  
 ;  
 N CMDT,CMST,DFN,VADM,PSOTEXT,PSOIEN,PSOKEYN,XMY,XMDUZ,XMSUB,XMTEXT,PSOFIN  
 N DIV,SSN,RXO,FILL,DRUG,DIVN,MAILGRP,NAME,PRV,RXSTS  
 S RXO=$$GET1^DIQ(52,RX,.01)  
 S CMDT=$P(STR,U,2)  
 S CMDT=$E(CMDT,4,5)\_"/"\_$E(CMDT,6,7)\_"/"\_$E(CMDT,2,3)  
 S FILL=$P(STR,U,3)  
 S CMST=$P(STR,U),CMST=$S(CMST=2:"RETRANSMITTED",1:"TRANSMITTED")  
 S DIV=$P(^PSRX(RX,2),"^",9),DIVN=$P($G(^PS(59,DIV,0)),"^")  
 S MAILGRP="PSX EXTERNAL DISPENSE ALERTS"  
 S XMY("G."\_MAILGRP)=""  
 ;if no members & no member groups & no remote members, then send to  
 ; the default: PSXCMOPMGR key holders  
 S PSOIEN=$O(^XMB(3.8,"B",MAILGRP,0))  
 I '$O(^XMB(3.8,PSOIEN,1,0))&'$O(^XMB(3.8,PSOIEN,5,0))&'$O(^XMB(3.8,PSOIEN,6,0)) D  
 . S PSOKEYN=0  
 . F  S PSOKEYN=$O(^XUSEC("PSXCMOPMGR",PSOKEYN)) Q:'PSOKEYN  D  
 . . S XMY(PSOKEYN)=""  
 S DFN=$$GET1^DIQ(52,RX,2,"I") D DEM^VADPT  
 S NAME=VADM(1)  
 S SSN=$P($P(VADM(2),"^",2),"-",3)  
 S RXSTS=$$GET1^DIQ(52,RX,100)  
 S DRUG=$$GET1^DIQ(52,RX,6)  
 S PSOFIN=$$GET1^DIQ(52,RX,38) ;EPIP/RTW NSR 20170709  
 S PRV=$$GET1^DIQ(52,RX,4)  
 S XMDUZ=.5  
 S XMSUB=DIVN\_" - DC Alert on CMOP Rx "\_RXO\_" "\_CMST  
 S PSOTEXT(1)=" Rx #: "\_RXO\_" Fill: "\_FILL  
 S PSOTEXT(2)=" Patient: "\_NAME\_" ("\_SSN\_")"  
 S PSOTEXT(3)=" Drug: "\_DRUG  
 S PSOTEXT(4)=" Rx Status: "\_RXSTS  
 S:REA="A" PSOTEXT(4)=PSOTEXT(4)\_" (due to Admission)"  
 S:REA="D" PSOTEXT(4)=PSOTEXT(4)\_" (due to Date of Death)"  
 S PSOTEXT(5)="Processing Status: "\_CMST\_" to CMOP on "\_CMDT  
 S PSOTEXT(6)=" Provider: "\_PRV  
 S PSOTEXT(7)=" Finishing Pharm: "\_PSOFIN ;EPIP/RTW NSR 20170709 gets  
 S PSOTEXT(8)=""  
 S PSOTEXT(9)="\*\*\*\*\*\*\*\* Please contact CMOP or take appropriate action \*\*\*\*\*\*\*\*"  
 S XMTEXT="PSOTEXT(" D ^XMD  
 D KVA^VADPT  
 Q  
 ;  
PSOCK ;  
 W !!!,"\*The following list of order checks is a comprehensive report of all"  
 W !,"Outpatient, Non-VA, and Clinic medication orders on this patient's profile."  
 W !,"It may include orders that are local, remote, active, pending, recently"  
 W !,"discontinued, or expired. Please note that the sort order and format"  
 W !,"displayed in this report differs from the display of MOCHA 1.0 order"  
 W !,"checks which occurs during order processing.\*",!  
 Q  
 ;  
PSSDGCK ;  
 D ^PSSDIUTL  
 Q  
 ;  
PSOSUPCK(CHK) ;  
 I $G(PSODGCKX) Q 0  
 I '($P($G(^PSDRUG(CHK,0)),"^",3)["S"!($E($P($G(^PSDRUG(CHK,0)),"^",2),1,2)="XA")) K CHK Q 0  
 W !!,"You have selected a supply item, please select another drug"  
 W !,"or leave blank and hit enter for Profile Order Checks." W !  
 K CHK  
 Q 1  
 ;  
OICHK(DGCKSTA,DGCKDNM) ;only orderable item on order (no drug)  
 ;find associated drug for orderable item  
 N PSORD,PSOI,PSODRUG2,DTOUT,DUOUT  
 S PSOI=""  
 I DGCKSTA="PENDING" D  
 .S PSORD=$P(PSOSD(DGCKSTA,DGCKDNM),"^",10) Q:PSORD=""  
 .S PSOI=$P($G(^PS(52.41,PSORD,0)),"^",8)  
 I DGCKSTA="ZNONVA" D  
 .S PSORD=$P(PSOSD(DGCKSTA,DGCKDNM),"^",10) Q:PSORD=""  
 .I $G(DFN)]"" S PSOI=$P(^PS(55,DFN,"NVA",PSORD,0),"^")  
 I PSOI]"" D  
 .S PSODRUG2=$$DRG^PSSDSAPM(PSOI,"O") Q:PSODRUG2=""  
 .S Y=$P(PSODRUG2,";"),DIC=50,DIC(0)="MQZV",X=+Y D ^DIC K DIC,DTOUT,DUOUT  
 K PSORD,PSOI,PSODRUG2  
 Q  
 ;  
DISCK(PSRX) ;  
 ;screen out discontinued Rx's greater than business rule calculation  
 ;(cancel date + days supply + 7 days)  
 N X,Y,X1,X2  
 S X1=$P($G(^PSRX(PSRX,3)),"^",5),X2=(+$P(^PSRX(PSRX,0),"^",8)+7)  
 D C^%DTC  
 I DT>X Q 1  
 Q 0  
 ;  
PRFLP ;  
 N PSODRUG,PSODGCRX,PSOALLGY,PSODRIEN,PSODATA,PSRX  
 S (DGCKSTA,DGCKDNM)="",PSODGCKF=1  
 I $D(PSOSD) D  
 .F  S DGCKSTA=$O(PSOSD(DGCKSTA)) Q:DGCKSTA=""  F  S DGCKDNM=$O(PSOSD(DGCKSTA,DGCKDNM)) Q:DGCKDNM=""  D  
 ..S DIC=50,DIC(0)="MQZV",X=DGCKDNM D ^DIC K DIC  
 ..S DIC=50,DIC(0)="MQZV",X=+Y D ^DIC K DIC  
 ..I Y=-1 D  
 ...;for pending or non-VA orders, only an orderable item might be on the order  
 ...D OICHK(DGCKSTA,DGCKDNM)  
 ..I Y=-1!(Y="") Q  
 ..;check business rule for discontinued orders  
 ..I DGCKSTA="DISCONTINUED" S PSRX=$P(PSOSD(DGCKSTA,DGCKDNM),"^") I $$DISCK(PSRX) Q  
 ..S PSODRUG("IEN")=$P(Y,"^"),PSODRUG("VA CLASS")=$P(Y(0),"^",2),PSODRUG("NAME")=$P(Y(0),"^")  
 ..I '$D(PSOALLGY(DGCKDNM,PSODRUG("IEN"))) S PSOALLGY(DGCKDNM,PSODRUG("IEN"))=PSODRUG("VA CLASS")\_"^"\_PSODRUG("NAME")\_"^"\_$P(PSOSD(DGCKSTA,DGCKDNM),"^")  
 .S (DGCKDNM,PSODRIEN)=""  
 .F  S DGCKDNM=$O(PSOALLGY(DGCKDNM)) Q:DGCKDNM=""  F  S PSODRIEN=$O(PSOALLGY(DGCKDNM,PSODRIEN)) Q:PSODRIEN=""  D  
 ..S PSODRUG("IEN")=PSODRIEN,PSODATA="",PSODATA=PSOALLGY(DGCKDNM,PSODRIEN)  
 ..S PSODRUG("VA CLASS")=$P(PSODATA,"^"),PSODRUG("NAME")=$P(PSODATA,"^",2)  
 ..S:+$G(^PSDRUG(PSODRUG("IEN"),2)) PSODRUG("OI")=+$G(^(2)),PSODRUG("OIN")=$P(^PS(50.7,+$G(^(2)),0),"^")  
 ..S PSODRUG("NDF")=$S($G(^PSDRUG(PSODRUG("IEN"),"ND"))]"":+^("ND")\_"A"\_$P(^("ND"),"^",3),1:0)  
 ..S PSODFN=DFN S PSODGCRX=$P(PSODATA,"^",3)  
 ..D ^PSODGAL1  
 ..K X,Y,DTOUT,DUOUT  
 K DGCKSTA,DGCKDNM,PSODGCKF,X,Y,DTOUT,DUOUT  
 Q  
 ;  
TITRX(RX) ; Returns the titration/maintenance flags  
 ;  
 I '$G(RX) Q ""  
 I '$D(^PSRX(RX,0)) Q ""  
 I $$GET1^DIQ(52,RX,45.1,"I") Q "m"  
 I $$GET1^DIQ(52,RX,45.2,"I")!$$GET1^DIQ(52,RX,45.3,"I") Q "t"  
 Q ""  
 ;  
LTHEN(RX) ; Looks for a THEN anywhere in the Complex Order.  
 ; Returns: 1 if found and 0 if not found. Complex Order must contain at least one THEN conjunction  
 ; in order to mark it as a Titration Rx.  
 N PSOCOUNT,PSOTHEN,FNDTHEN  
 S (PSOCOUNT,PSOTHEN,FNDTHEN)=""  
 F  S PSOCOUNT=$O(^PSRX(RX,6,PSOCOUNT)) Q:PSOCOUNT=""!(FNDTHEN'="") D  
 . S PSOTHEN=$P($G(^PSRX(RX,6,PSOCOUNT,0)),"^",6)  
 . I PSOTHEN="T" S FNDTHEN=1 Q  
 I $G(FNDTHEN)="" Q 0  
 Q 1

**PSOVEXRX (New)**

PSOVEXRX ;EPIP/RTW - PAHARMACY TELEPHONE REFILLS ; 06/07/18 08:47am  
 ;;7.0;OUTPATIENT PHARMACY;\*\*503\*\*;Dec 1997;Build 6  
 ; External reference to UPDATE^DIE supported by ICR 2053  
 ; External reference to FILE^DIE supported by ICR 2053  
 ; External references to $$GET1^DIQ supported by ICR 2056  
 ; External references to GETS^DIQ supported by ICR 2056  
 ; External references to ^PSSLOCK supported by ICR 2789  
 ; External reference to ^DIR supported by ICR 10026  
 ; External reference to ^PS(59 supported by ICR 2228  
 ; External reference to ^DIK supported by ICR 10013   
 ; External reference to ^XMD supported by ICR 10070  
 ; External reference to RENEW^ORAREN ORAREN AUTORENEWAL ICR 5498  
 ; --------------------------------------------------------------------------------------  
 D PSOBLD,START,PSOPREC,SETVEN  
 W !!,PSOCNT2\_" Prescriptions Processed"  
 K PSOCNT2  
 Q  
START ;  
 N PSOANS,PSODFN,PSONO,PSONRF,PSONRFLG,PSOPAR,PSOPIEN,PSOPROVP,PSOPTRAD,PSOREFLG,PSORENEW,PSORXEN,PSORXIEN,PSORXN,PSOSITE,PSOISITE,PSOVEXI  
 K ^TMP($J,"ORAREN E"),^TMP($J,"ORAREN OC"),PSOVEXI,PSOSITE,PSOVEXFL,^TMP("ALREADY FILLED")  
 S (PSOCNT1,PSONRF,PSONRFLG,PSORFY,PSOTTREN,PSOTOTF)=0  
 F PSOISITE=0:0 S PSOISITE=$O(^PS(59,PSOISITE)) Q:'PSOISITE  I $P($G(^PS(59,PSOISITE,"I")),"^"),DT>$P($G(^("I")),"^") S PSOVEXI(PSOISITE)=""  
 I $O(PSOVEXI(0)) W !,"Looking for refill requests for inactive Outpatient divisions..." D  
 . S PSOSITE=0 F  S PSOSITE=$O(^PS(52.444,"C",PSOISITE)) Q:'PSOSITE  D  
 . . S PSORXN=0 F  S PSORXN=$O(^PS(52.444,"C",PSOISITE,PSORXN)) Q:'PSORXN  D  
 . . . Q:($P(^PS(52.444,PSORXN,0),U,4)) ;Quit if already marked filled  
 . . . I $D(PSOVEXI(PSOSITE)) S PSORXIEN=$P(^PS(52.444,PSORXN),"^") ;RTW GET SITE IEN  
 . . . S PSOISITE=$P($G(^PSRX(+PSORXIEN,2)),"^",9) Q:$G(PSOVEXI(+$G(PSOISITE))) ;rtw PSOSITE the Outpatient site file ien  
 . . . I PSOISITE,$D(PSOVEXI(PSOISITE)),$P(^PS(52.444,PSORXN),"^",4)="" S PSOVEXI(PSOSITE)=1,PSOVEXFL=1  
 I '$G(PSOVEXFL),$O(PSOVEXI(0)) W ".none found.",!  
 I $G(PSOVEXFL) W !!,"The following Inactive Outpatient sites have refill requests:",! F PSOVX=0:0 S PSOVX=$O(PSOVEXI(PSOVX)) Q:'PSOVX  I $G(PSOVEXI(PSOVX)) W !?5,$P($G(^PS(59,+$G(PSOVX),0)),"^")  
 I $G(PSOVEXFL) K DIR W ! S DIR(0)="E",DIR("A")="Press Return to Continue, '^' to exit",DIR("T")=DTIME D ^DIR W ! I Y'=1 G END  
 D:'$D(PSOPAR) ^PSOLSET G:'$D(PSOPAR) END  
 W !!!?20,"Division: "\_$P(^PS(59,PSOSITE,0),"^"),!!  
 S PSOBBC1("FROM")="REFILL",PSOBBC("QFLG")=0,PSOBBC("DFLG")=0  
 I '$D(^PS(52.444,"C",PSOSITE)) S PSOANS="N" W !!?7,$C(7),"There are no telephone refills to process for the selected division." G END  
 D ASK^PSOBBC W:PSOBBC("QFLG")=1 !?7,$C(7),"No telephone refills were processed." G:PSOBBC("QFLG")=1 END  
PSOX W ! S DIR("A")="Process telephone refill requests at this time",DIR("B")="YES",DIR(0)="Y",DIR("T")=DTIME D ^DIR K DIR S:Y=0 PSOANS="N" I $G(DIRUT) S PSORXIEN="" G END  
 G:Y=0 END S PSORXIEN="" I Y=1 S PSOANS="Y"  
 S PSOPTRAD=$$GET1^DIQ(59,PSOSITE,4.2) ;parameter from 59 for all divisions default prompt answer  
 S PSOANS2="S"  
 I PSOANS["Y",$$GET1^DIQ(59.7,1,"INTERDIVISIONAL PROCESSING","I") D  
 . S DIR("A")="Process telephone refills for all divisions",DIR("B")=PSOPTRAD,DIR(0)="Y",DIR("T")=DTIME  
 . W !  
 . S DIR("?",1)="Enter 'YES' to process all division refill requests."  
 . S DIR("?",2)="Enter 'NO' to only process refill request for the division you selected when you logged on."  
 . S DIR("?")=" "  
 . D ^DIR K DIR S PSOANS2="S" S:Y=1 PSOANS2="M" I $G(DIRUT) S PSOANS="N" G END  
 I PSOANS2["S" S PSONO=$D(^PS(52.444,"C",PSOSITE)) I '$G(PSONO) W !,"There are no requests for your selected division" Q  
 S PSOCNT1=10 ; use to indicate first time through for mail msg build  
PSO6 I PSOANS["Y",$G(PSORXIEN) S PSORXEN=0,PSORXEN=$O(^PS(52.444,"B",PSORXIEN,PSORXEN)) D PSO5 ;MARK PROCESSED NODES  
 D PSO3 I $G(PSOANS)="N" S PSORX=PSORXIEN D ULK G END  
 I 'PSOSITE W !?7,$C(7),$C(7),$C(7),"Not from this institution.",! S PSORX=PSORXIEN D ULK G PSO6  
 I $L(PSORENEW) S PSORENEW="" G PSO6  
 S (PSOBBC("IRXN"),PSOBBC("OIRXN"))=PSORXIEN  
 I $D(^PSRX(PSOBBC("IRXN"),0))']"" W !,$C(7),"Rx data is not on file!",! S PSORX=PSORXIEN D ULK G PSO6  
 I $P($G(^PSRX(PSOBBC("IRXN"),"STA")),"^")=13 W !,$C(7),"Rx has already been deleted." S PSORX=PSORXIEN D ULK G PSO6  
 I $G(PSOBBC("DONE"))[PSOBBC("IRXN")\_"," W !,$C(7),"Rx has already been entered." S PSORX=PSORXIEN D ULK G PSO6  
 K X,Y D:PSOBBC("QFLG") PROCESSX^PSOBBC  
 S PSOSELSE=0 I $G(PSODFN)'=$P(^PSRX(PSOBBC("IRXN"),0),"^",2) S PSOSELSE=1 D PT^PSOBBC I $G(PSOBBC("DFLG")) K PSOSELSE S PSORX=PSORXIEN D ULK G PSO6  
 I '$G(PSOSELSE) D PTC^PSOBBC I $G(PSOBBC("DFLG")) K PSOSELSE S PSORX=PSORXIEN D ULK G PSO6  
 K PSOSELSE D PROFILE^PSORX1  
 S PSOBBC("DONE")=PSOBBC("IRXN")\_"," D REFILL^PSOBBC  
 I $$TITRX^PSOUTL(PSOBBC("IRXN"))="t" S PSOBBC("DFLG")=1  
 S PSORX=PSORXIEN D ULK G PSO6  
 ;  
PSO3 ; avoid skipping renewal requests.  
 N PSOPP  
 K PSOBBC("IRXN"),PSOXFLAG,PSOPP S (PSORXIEN,PSOCNT)=0 F  S PSORXIEN=$O(^PS(52.444,"B",PSORXIEN)) D  Q:PSOANS="N"!($G(PSOXFLAG))  
 . I PSORXIEN="" S PSOANS="N" Q  
 . S PSORXEN=0 F  S PSORXEN=$O(^PS(52.444,"B",PSORXIEN,PSORXEN)) Q:'PSORXEN  D  
 . . I $P(^PS(52.444,PSORXEN,0),U,4) S ^TMP("ALREADY FILLED",$J,PSORXIEN)=""  
 . . Q:($P(^PS(52.444,PSORXEN,0),U,4)) ;Quit if already marked filled  
 . . S PSOCNT=PSOCNT+1  
 . . S PSO648=0,PSOREN=$P(^PS(52.444,PSORXEN,0),U,4,9) I PSOREN]"" D BFDRNCHK  
 . . I '$D(^PSRX(PSORXIEN,0)),PSO648=1 D PSO5 Q  ;SKIPS ERRONEOUS ENTRIES  
PSO4 . . I PSOANS["Y" Q:PSO648=1 ;SKIPS ENTRIES ALREADY PROCESSED AND FORMATS VARIABLE X (BFD/648 LINE)  
PSO10 . . I PSOANS2["S",$D(^PSRX(PSORXIEN,0)),PSOSITE'=$P(^PSRX(PSORXIEN,2),"^",9) Q  
 . . D RENEWCHK I PSORENEW]"" S PSOXFLAG=1 Q  
 . . I PSORXIEN S PSORX=PSORXIEN D PSOL^PSSLOCK(PSORX) I '$G(PSOMSG) K PSORX,PSOMSG Q  
 . . K PSOMSG S PSOXFLAG=1  
 Q  
 ; -----------------------------------------------------------------------------------  
PSO5 ; Mark the node as processed.  
 K FDA,IENS  
 S PSORXIEN=$P(^PS(52.444,PSORXEN,0),U)  
 I PSOREFLG=0 S IENS=PSORXEN\_",",FDA(52.444,IENS,3)=DT D FILE^DIE(,"FDA","PSOERR") D  ;marks node as processed  
 . I $G(PSOBBC("DFLG")) D PSO12 ;FLAGS UNSUCCESSFUL ATTEMPTS TO REFILL.  
 I PSONRFLG=0,(PSOREFLG=0) S PSORFY=PSORFY+1  
 S PSONRFLG=0  
 I '$G(PSOBBC("DFLG")),PSORSULT=1 W !!,1\_" Prescription: RX # "\_$P(^PSRX(PSORXIEN,0),U)\_" Processed",!  
 Q  
PSO12 ; refill not processed.  
 K FDA,IENS  
 S PSONRF=PSONRF+1,PSONRFLG=1  
 S IENS=PSORXEN\_"," ;NOTE THE IENS MUST HAVE A FINAL COMMA ADDED TO THE ENTRY NUMBER.  
 S FDA(52.444,IENS,4)="NOT FILLED" D FILE^DIE(,"FDA","PSOERR")  
 W !!,$C(7)," Prescription REFILL, RX # "\_$P(^PSRX(PSORXIEN,0),U)\_" was not processed, ",!," PLEASE TAKE APPROPRIATE ACTION."  
 S DIR("?",1)="Answering NO will abort the request and the remaining refills will not be"  
 S DIR("?",2)="processed. Answering YES will continue to process the remaining Telephone"  
 S DIR("?")="Refill Requests. The option will need to be run again to continue processing."  
 W ! S DIR("A")="Do you wish to continue processing the remaining refill requests",DIR("B")="YES",DIR(0)="Y",DIR("T")=DTIME D ^DIR W ! K DIR I Y'=1 S PSOANS="N" Q  
 Q  
END D PROCESSX^PSOBBC  
 K XMY N XMDUZ,XMSUB,XMTEXT,XMT  
 S XMDUZ="AUTO,RENEWAL",XMY(DUZ)="",XMY("G.AUTORENEWAL")="",XMSUB=$S($G(PSOANS2)["S":$$GET1^DIQ(59,PSOSITE,.06)\_" ",1:"")\_"REFILL TOTALS",XMTEXT="XMT("  
 S XMT(1,0)="Refills Processed: "\_PSORFY,XMT(2,0)="Refills 'Not Processed': "\_PSONRF  
 S XMT(3,0)=" ",XMT(4,0)="Renewals sent to provider: "\_PSOTTREN  
 S XMT(5,0)="Renewals not sent to provider: "\_PSOTOTF  
 D ^XMD  
 I $D(^TMP($J)) K XMY N XMDUZ,XMSUB,XMTEXT D  
 . S XMY(DUZ)=""  
 . I $D(^TMP($J,"ORAREN E")) S XMDUZ="AUTO,RENEWAL",XMY("G.AUTORENEWAL")="",XMSUB=$S($G(PSOANS2)["S":$$GET1^DIQ(59,PSOSITE,.06)\_" ",1:"")\_"RENEWAL REQUESTS NOT SENT TO PROVIDERS",XMTEXT="^TMP("\_$J\_",""ORAREN E""," D ^XMD  
 . I $D(^TMP($J,"ORAREN OC")) S XMDUZ="AUTO,RENEWAL",XMY("G.AUTORENEWAL")="",XMSUB=$S($G(PSOANS2)["S":$$GET1^DIQ(59,PSOSITE,.06)\_" ",1:"")\_"RENEWAL REQUESTS WITH ORDER CHECKS",XMTEXT="^TMP("\_$J\_",""ORAREN OC""," D ^XMD  
 I $P($G(^PS(59,+$G(PSOSITE),"I")),"^"),DT>$P($G(^("I")),"^") D FINAL^PSOLSET W !!,"Your Outpatient Site parameters have been deleted because you selected an",!,"inactive Outpatient Site!",!  
 K DIR,PSO648,PSOANS,PSOANS2,PSOBBC,PSOBBC1,PSOSITE,PSOREN,PSORFY,PSORX,PSORXIEN,PSOVEXFL,PSOVX,PSOVEXI,PSOXFLAG,X,Y  
 K DIRUT,PSOTTREN,PSOTOTF  
 Q  
ULK ; unlock a record.  
 I '$G(PSORX) Q  
 D PSOUL^PSSLOCK(PSORX)  
 K PSORX  
 Q  
 ; -----------------------------------------------------------------------------------  
RENEWCHK ; Checks ^PS(52.444 node for renewal information  
 K FDA,IENS  
 S (PSOREFLG,PSORSULT)=0  
 S PSORENEW=$P(PSOREN,"^",3),PSOPROVP=$P(PSOREN,"^",6)  
 ; @2  
 I PSORENEW="U"!(PSORENEW="I")!(PSORENEW="N") D  
 . S PSORXIEN=+$P(^PS(52.444,PSORXEN,0),U),PSOPIEN=+$P(^PS(52.444,PSORXEN,0),U,3)  
 . D RENEW^ORAREN(.PSORSULT,PSOPIEN,PSORXIEN,PSOPROVP,PSORENEW)  
 . S PSOREFLG=1  
 . S IENS=PSORXEN\_",",FDA(52.444,IENS,3)=DT D FILE^DIE(,"FDA","PSOERR") ;marks node as processed  
 . S IENS=PSORXEN\_",",FDA(52.444,IENS,6)=PSORSULT D FILE^DIE(,"FDA","PSOERR") ;marks the result from RENEW^ORAREN processing   
 . I PSORSULT=0 S PSOCNT1=PSOCNT1+1 W !!,$C(7)," There was a problem with RX # "\_$P(^PSRX(PSORXIEN,0),U)\_" renewal request and it was not processed ",!," PLEASE TAKE APPROPRIATE ACTION."  
 . I PSORSULT'=1 S PSOTOTF=PSOTOTF+1  
 . I PSORSULT=1 S PSOTTREN=PSOTTREN+1  
 . Q  
 Q  
BFDRNCHK ; There is data in global - is it date or renewal request  
 ;"if there is something in the Date piece S PSO648=1 to stop processing"  
 I $P(PSOREN,"^",1)]"" S PSO648=1  
 ;if there are more than just piece 1 but the   
 I $P(PSOREN,"^",1)']"" S PSO648=0  
 ;"if PSO648 is 0 then no date but renewal"  
 Q  
 ;  
PSOPREC ;  
 N PSOPP,PSORXP  
 W !!!,"PSO TELEPHONE REFILL/RENEW SUMMARY",!!  
 S PSOPP=0 F  S PSOPP=$O(^TMP("ALREADY FILLED",$J,PSOPP)) Q:'PSOPP  D  
 . S PSORXP=$P(^PSRX(PSOPP,0),U,1)  
 . W !," PRESCRIPTION # "\_PSORXP\_", RX IEN ",PSOPP\_" was already processed",!!  
 ;  
PSOBLD ; This will transfer entries from the vendor daily telephone refill requests global when the pharmacy audio refills option is accessed.  
 ;VEXHRX(19080,PSOSITE,"PSODFN-PSORXIEN")=PSORDT\_,"^",\_PSOSTAT\_,"^",\_PSOP3\_,"^",\_PSOP4\_,"^",\_PSOABLE\_,"^",\_PSORSLT\_,"^",\_PSOUSER\_,"^",\_PSOPPOS  
 ;each time the option is accessed it will add new RXs to the class I ^PS(52.444 file.  
 ;below is a breakdown of the vendor ^VEXHRX(19080 global contents.   
 ;PSOSITE= Outpatient site number of refill request i.e. 442 for cheyenne VAMC  
 ;PSODFNRX= patient DFN and prescription ien; hiphenated in VEHXRX example "41234-28102333"   
 ;PSODFN=patient dfn from file #2  
 ;PSORXIEN=the ien of the prescription file. Not the prescription #. the prescription number is actually piece one of the PSRX global   
 ;PSORDT=the date processed needs to also be set back into vexhrx for clean up.  
 ;PSOSTAT=status of "NOT FILLED"  
 ;PSOP3=PIECE NOT USED  
 ;PSOP4=PIECE NOT USED  
 ;PSOABLE=SET OF CODES 'N' for NoN Renewable or 'U' unsigned orders allowed and 'I' Incomplete because Unsigned orders not allowed.  
 ;PSORSLT=RESULT^ORAREN SET OF CODES '0' is processing problem., '1' for OK, '2' for user stopped, '3' not from primary care provider. '5' provider on order terminated no one to send order to.  
 ;PSOUSER=FILE 200 Select NEW PERSON NAME: User that processed the order, i.e. Auto refills could be USER,AUDIOCARE  
 ;PSOPPOS=PROVIDER position 'P' FOR restricts renewals to THE PATIENTS PRIMARY CARE PROVIDER; 'A' FOR ANY PROVIDER CAN RENEW;  
 N PSOABLE,PSODFN,PSODFNRX,PSOGET,PSOPPOS,PSORDT,PSORSLT,PSOUSER,PSOSITE,PSOSITID,PSOXCNT,PSOXPTRN  
 K FDA,PSOERR  
 S (PSOABLE,PSOPPOS,PSORSLT,PSORDT,PSOSTAT,PSOUSER)=""  
 S PSOSITE=0 F  S PSOSITE=$O(^VEXHRX(19080,PSOSITE)) Q:'PSOSITE  D  
 . S PSODFNRX=0 F  S PSODFNRX=$O(^VEXHRX(19080,PSOSITE,PSODFNRX)) Q:'PSODFNRX  D   
 . . S PSOSITID=0 S PSOSITID=$O(^PS(59,"C",PSOSITE,PSOSITID))  
 . . S PSODFN=$P(PSODFNRX,"-",1)  
 . . S PSORXIEN=$P(PSODFNRX,"-",2)  
 . . S PSOSTAT=$P(^VEXHRX(19080,PSOSITE,PSODFNRX),"^",2)  
 . . S PSOABLE=$P(^VEXHRX(19080,PSOSITE,PSODFNRX),"^",5)  
 . . S PSORSLT=$P(^VEXHRX(19080,PSOSITE,PSODFNRX),"^",6)  
 . . S PSOUSER=$P(^VEXHRX(19080,PSOSITE,PSODFNRX),"^",7)  
 . . S PSOPPOS=$P(^VEXHRX(19080,PSOSITE,PSODFNRX),"^",8)  
 . . I PSORXIEN Q:$D(^PS(52.444,"B",PSORXIEN)) ;This checks to see is a prescription ien is already recorded.  
 . . S PSOGET=$G(^VEXHRX(19080,PSOSITE,PSODFNRX))  
 . . S:$D(PSOGET) PSORDT=$P(PSOGET,U,1),PSOSTAT=$P(PSOGET,U,2),PSOABLE=$P(PSOGET,U,5),PSORSLT=$P(PSOGET,U,6),PSOUSER=$P(PSOGET,U,7),PSOPPOS=$P(PSOGET,U,8) Q:$G(PSORDT)  
 . . ;QUIT ABOVE If a date is already in piece one of the vendor global means the order has been processed.  
 . . ;code below this line adds new RX information to the Class I file 52.444  
 . . S FDA(1,52.444,"?+1,",.01)=PSORXIEN  
 . . S FDA(1,52.444,"?+1,",1)=PSOSITID  
 . . S FDA(1,52.444,"?+1,",2)=PSODFN  
 . . I $D(PSOSTAT) S FDA(1,52.444,"?+1,",4)=PSOSTAT  
 . . I $D(PSOABLE) S FDA(1,52.444,"?+1,",5)=PSOABLE  
 . . I $D(PSORSLT) S FDA(1,52.444,"?+1,",6)=PSORSLT  
 . . I $G(PSOUSER) S FDA(1,52.444,"?+1,",7)=PSOUSER  
 . . I $D(PSOPPOS) S FDA(1,52.444,"?+1,",8)=PSOPPOS  
 . . D UPDATE^DIE("","FDA(1)",,"PSOERR")  
 . . W:$D(PSOERR) !,"Prescription Enternal Record number "\_PSORXIEN\_" failed to load"  
 Q  
SETVEN ;adds fill date, status and processing result to vendor global to facilitate completion in their process.  
 N PSODATA,PSOPIEN,PSORDT,PSORSLT,PSORGET,PSORX,PSORXEN,PSORXIEN,PSOSITE,PSOSITEN,PSOSTAT  
 S (PSORDT,PSOCNT2)=0 F  S PSORDT=$O(^PS(52.444,"E",PSORDT)) Q:'PSORDT  D  
 . S PSORXEN=0 F  S PSORXEN=$O(^PS(52.444,"E",PSORDT,PSORXEN)) Q:'PSORXEN  D  
 . . S PSORGET=$G(^PS(52.444,PSORXEN,0))  
 . . S PSORXIEN=$P(PSORGET,U,1)  
 . . S PSOSITEN=$P(PSORGET,U,2),PSOSITE=$$GET1^DIQ(59,PSOSITEN,.06)  
 . . S PSOSTAT=$P(PSORGET,U,5),PSORSLT=$P(PSORGET,U,7)  
 . . S IENS=PSORXIEN\_","  
 . . D GETS^DIQ(52,IENS,".01;2;6","","PSORX") ;in case WE want to write out a list processed of prescription details  
 . . S PSOPIEN=$P(PSORGET,U,3)  
 . . S PSODATA=""\_PSOPIEN\_""\_"-"\_""\_PSORXIEN\_""  
 . . Q:'$D(^VEXHRX(19080,PSOSITE,PSODATA))  
 . . Q:$P(^VEXHRX(19080,PSOSITE,PSODATA),"^")  
 . . W !,"RX #: "\_$P(PSORX(52,IENS,".01"),U,1)\_" RX IEN: "\_IENS\_" was marked processed in the Audio Care Global. "  
 . . S PSODATA=""\_PSOPIEN\_""\_"-"\_""\_PSORXIEN\_""  
 . . S $P(^VEXHRX(19080,PSOSITE,PSODATA),"^")=PSORDT ;direct set required due to non fileman vendor global for Audiocare maintenance  
 . . I $D(PSOSTAT) S $P(^VEXHRX(19080,PSOSITE,PSODATA),"^",2)=PSOSTAT ;direct set required due to non fileman vendor global Audiocare maintenance  
 . . I $G(PSORSLT)'="" S $P(^VEXHRX(19080,PSOSITE,PSODATA),"^",6)=PSORSLT ;direct set required due to non fileman vendor global Audiocare maintenance  
 . . S PSOCNT2=PSOCNT2+1  
 Q  
 ;  
CLEAN ;delete completed records from the new file 52.444.  
 ;POSSIBLY RAN BY A NIGHTLY TASK.  
 N PSORDT,PSORXEN  
 D SETVEN  
 S PSORDT=0 F  S PSORDT=$O(^PS(52.444,"E",PSORDT)) Q:'PSORDT  D  
 . S PSORXEN=0 F  S PSORXEN=$O(^PS(52.444,"E",PSORDT,PSORXEN)) Q:'PSORXEN  D  
 . . S DIK="^PS(52.444,",DA=PSORXEN D ^DIK K DIK,DA  
Q

**PSO503P (New)**

PSO503P ;EPIP/RTW - PHARMACY TELEPHONE REFILL TESTING; 12/26/17 12:13pm  
 ;;7.0;OUTPATIENT PHARMACY;\*\*503\*\*;Dec 1997;Build 6  
 ;Test Only routine used to populate the vendor audio refill global array in test account VEXHRX  
 ;This routine can be deleted from the production installation and from test after IOC production testing begins.  
 ; --------------------------------------------------------------------------------------  
 ;  
 ; External reference to ^DIR supported by ICR 10026  
 ; External reference to ^PSRX( supported by ICR 2228  
 ; External reference to $$GET1^DIQ supported by ICR 2056  
 ; External reference to $$PROD^XUPROD supported by ICR 4440  
TASK ;  
 N ORQAOPTB,ORQAOPTN,DA,DIE,DR,X,ORQWHEN  
 S ORQWHEN=DT\_"@0405" ;ORQWHEN IS THE QUICK ORDER NIGHTLY TASK Date Time  
 W !,"The 'PSO PURGE PROCESSED 52.444' option is scheduled to run at: "  
 D RESCH^XUTMOPT("PSO PURGE PROCESSED 52.444",ORQWHEN,"","1D","L",".ORQA\_ERROR")  
 S ORQAOPTN=$$FIND1^DIC(19,"","X","PSO PURGE PROCESSED 52.444","B")  
 S ORQAOPTB=0,ORQAOPTB=+$P($Q(^DIC(19.2,"B",ORQAOPTN,ORQAOPTB)),",",4) W ORQAOPTB  
 S DIE="^DIC(19.2,",DR="11///.5",DA=ORQAOPTB D ^DIE  
 Q  
CREATE ; This utility is designed to POPULATE the VEXHRX global for test account testing.  
 Q:$$PROD^XUPROD()  
 ;It is designed to only capture RXs that are refillable or renewable just like the audio system  
 ;VENDOR global details VEHXRX File structure; VEHXRX(19080,PSOSITE,"PSOPIEN-PSORXIEN")="1\_FILL DATE^2\_STATUS^3^4^5\_RENEWCODE^6\_RESULT^7\_FILE200^8\_IS PRIMARY CARE PROVIDER REQUIRED"  
 ;new global ZEROTH pieces PSO(52.44,IEN,0)="PSORXIEN^PSOSITEN^PSOPIEN^FILL DATE^STATUS^RENEWCODE^RESULT^FILE200^IS PROVIDER PRIMARY CARE"  
 ;If # of refills field is 0 and non narcotic its a possible renewal?  
 ;If # of refills field is not 0 loop through the subfile refills and subtract to see if remaining refills exist.  
 ;If the RX is already added to the suspense file do not include  
 ;If returned to stock date exists do not include.  
 ;If rx is on hold do not include.  
 ;If expired less than 120 its a possible renewal. if more than 120 do not include.  
 ;If discontinued and not replaced with another rx, and its status 14 and 15, it's a possible renewal.  
 ;If discontinued and not replaced with another rx, and its status 12 it's do not include.  
 K DIR  
 N DTOUT,DUOUT,IENS,PSOAUTOU,PSOCANC,PSODATA,PSODYSUP,PSOIPCHK,PSONRFLS,PSOPIEN,PSOPIECE,PSORELSE,PSORX0,PSORXBD,PSORXED,PSORXIEN,PSORXN,PSORXSTRT,PSORXSTOP,PSOSITE,PSOSITEN,PSOSTPDT,PSOSTRTD,X,X1,X2,Y,ZTDTH  
 N PSOCMPSQ,PSODIEN,PSODOD,PSOI,PSONARC,PSOREFL,PSOCHDT  
 S DIR("T")=DT,DIR("B")="U",DIR("A")="Set Renewal flag for this round to: type '?' for details",DIR(0)="SB^N:Set as NON RENEWABLE;U:For Unsigned Orders - ALLOWED;I:For Unsigned Orders - Not Allowed" D ^DIR S PSOSEL1=Y Q:$D(DIRUT) K DIR  
 S DIR("T")=DT,DIR("B")="A",DIR("A")="Set the renewal Providers position: type '?' for details",DIR(0)="SB^A:For - 'A'NY provider can renew the order;P:For - the 'P'RIMARY care provider can renew" D ^DIR S PSOSEL2=Y Q:$D(DIRUT) K DIR  
 K DIR  
 S PSOPIEN=0  
 S DIR("T")=DTIME  
 S DIR(0)="D^::%DT"  
 S DIR("A")=" Enter a date to start capturing Prescriptions "  
 S DIR("?")=" Enter how far back to start capturing Prescriptions to load into the VEXHRX test global "  
 D ^DIR S PSORXSTRT=Y I $D(DUOUT)!$D(DTOUT) W !,"No date entered Halting..." S ZTDTH="" Q  
 S PSOSTART=Y(0)  
 S DIR("A")=" Enter a date to stop capturing Prescriptions "  
 S DIR("?")=" Enter how much to capture Prescriptions to load into the VEXHRX test global "  
 D ^DIR S PSORXSTOP=Y I $D(DUOUT)!$D(DTOUT) W !,"No date entered Halting..." S ZTDTH="" Q  
 S PSOSTOP=Y(0)  
 W !,"You entered beginning date ",PSOSTART," and ending date ",PSOSTOP  
 S DIR("T")=DTIME,DIR(0)="EA",DIR("A")="Press <Enter> to continue OR '^' TO QUIT: " D ^DIR I $D(DIRUT) Q  
 S X1=PSORXSTRT,X2=-1 D C^%DTC S PSORXBD=X  
 S PSORXBD=0 F  S PSORXBD=$O(^PSRX("AD",PSORXBD)) Q:'PSORXBD  D  I PSORXBD>PSORXSTRT,PSORXBD<PSORXSTOP W !,"FILL OR REFILL DATE FOR ABOVE RX(s)"\_PSORXBD,!  
 . Q:PSORXBD<PSORXSTRT!(PSORXBD>PSORXSTOP)  
 . S PSORXIEN=0 F  S PSORXIEN=$O(^PSRX("AD",PSORXBD,PSORXIEN)) Q:'PSORXIEN  D  
 . . S PSORXSAV=PSORXIEN  
 . . K PSOPIECE  
 . . S X1=DT,X2=-119 D C^%DTC S PSOCHDT=X  
 . . N PSOXY D LOOKNEW S PSORX0=^PSRX(PSORXIEN,0) ;this looks for the last renewed from PSORXIEN if any exist   
 . . S PSOPIEN=$P(PSORX0,U,2)  
 . . S X=$$FMTE^XLFDT(PSORXBD,5)  
 . . S PSODATA=""\_PSOPIEN\_""\_"-"\_""\_PSORXIEN\_"" W !!,"PATIENT IEN "\_PSODATA\_" PRESCRIPTION IEN used| |DATE OF RX "\_X  
 . . D NARCOTIC I $G(PSONARC) W !,"Prescription # "\_$P(PSORX0,U)\_" was not added because the Drug involved is a Narcotic." S PSORXIEN=PSORXSAV Q  
 . . S PSORELSE=$$GET1^DIQ(52,PSORXIEN,31,"I")  
 . . I $$GET1^DIQ(52,PSORXIEN,32.1,"I") W !,"Prescription # "\_$P(PSORX0,U)\_" was not added because it was returned to stock." S PSORXIEN=PSORXSAV Q  
 . . I $$GET1^DIQ(52,PSORXIEN,32,"I"),'$$GET1^DIQ(52,PSORXIEN,"RELEASED DATE/TIME","I") W !,"Prescription # "\_$P(PSORX0,U)\_" was not added because it was printed but no released." S PSORXIEN=PSORXSAV Q  
 . . I $D(^PSRX(PSORXIEN,4,0)) S PSOCMPSQ=$P(^PSRX(PSORXIEN,4,0),U,3) S IENS=PSOCMPSQ\_","\_PSORXIEN\_"," D  ;note line below made it to long  
 . . . I $$GET1^DIQ(52.01,IENS,3,"I")="0",'($$GET1^DIQ(52,PSORXIEN,"RELEASED DATE/TIME","I")) W !,"Prescription "\_$P(PSORX0,U)\_" was not added;CMOP TRANSMITTED but not released." S PSORXIEN=PSORXSAV Q  
 . . I $$GET1^DIQ(52,PSORXIEN,"STATUS","I")=3!($$GET1^DIQ(52,PSORXIEN,"STATUS","I")=16) W !,"Prescription # "\_$P(PSORX0,U)\_" was not added because its in a hold status." S PSORXIEN=PSORXSAV Q  
 . . I $D(^PS(52.5,"B",PSORXIEN)) W !,"Prescription # "\_$P(PSORX0,U)\_" was not added because its already suspensed." S PSORXIEN=PSORXSAV Q   
 . . I $$GET1^DIQ(52,PSORXIEN,"STATUS","I")=11,$$GET1^DIQ(52,PSORXIEN,26,"I")>(PSOCHDT) S PSOPIECE=1 W !,"Prescription # "\_$P(PSORX0,U)\_" was added; EXPIRED but was less than 120 days past expiration; can be processed as a renewal."  
 . . I $$GET1^DIQ(52,PSORXIEN,"STATUS","I")=11,$$GET1^DIQ(52,PSORXIEN,26,"I")<(PSOCHDT) W !,"Prescription # "\_$P(PSORX0,U)\_" was not added; it is more than 120 days past expiration; cannot be renewed or refilled. " S PSORXIEN=PSORXSAV Q  
 . . I $$GET1^DIQ(52,PSORXIEN,"STATUS","I")=12 W !,"Prescription # "\_$P(PSORX0,U)\_" was not added;'DISCONTINUED' status 12 is not renewable " S PSORXIEN=PSORXSAV Q  
 . . I $$GET1^DIQ(52,PSORXIEN,"STATUS","I")=14 S PSOPIECE=1 W !,"Prescription # "\_$P(PSORX0,U)\_" was added;'DISCONTTINUED BY PROVIDER' status 14 is renewable. "  
 . . I $$GET1^DIQ(52,PSORXIEN,"STATUS","I")=15 S PSOPIECE=1 W !,"Prescription # "\_$P(PSORX0,U)\_" was added;'DISCONTTINUED(EDIT)' status 15 is renewable. "  
 . . D REMAIN I PSOREFL=0 S PSOPIECE=1 W !,"Prescription # "\_$P(PSORX0,U)\_" was added; has no refills remaining; and can be processed as a renewal."  
 . . S PSODYSUP=$P(PSORX0,U,8)  
 . . S PSOREFL=$P(PSORX0,"^",9),PSOI=0 F  S PSOI=$O(^PSRX(PSORXIEN,1,PSOI)) Q:'PSOI  S PSOREFL=PSOREFL-1  
 . . S PSOSTRTD=$P(PSORELSE,".")  
 . . S X1=PSOSTRTD,X2=+PSODYSUP D C^%DTC S PSOSTPDT=X  
 . . S PSORXN=$P(PSORX0,U,1)  
 . . S PSOAUTOU=$$GET^XPAR("SYS","OR AUTORENEWAL USER")  
 . . S PSODOD=$$GET1^DIQ(2,PSOPIEN,.351,"I") W:$G(PSODOD) !,"Prescription # "\_$P(PSORX0,U)\_" was not added because the patient is marked as deceased." S PSORXIEN=PSORXSAV Q:$G(PSODOD)  
 . . S PSOSITEN=$P($G(^PSRX(PSORXIEN,2)),U,9) ; IEN OF THE DIVISION  
 . . S PSOSITE=$$GET1^DIQ(59,PSOSITEN,.06) ;  
 . . I '$G(PSOPIECE) W !,"Precription # "\_PSORXN\_" was added to the Vendor global for testing."  
 . . I $G(PSOPIECE) S ^VEXHRX(19080,PSOSITE,""\_PSODATA\_"")="^^^^"\_PSOSEL1\_"^^"\_PSOAUTOU\_"^"\_PSOSEL2\_""  
 . . I '$G(PSOPIECE) S ^VEXHRX(19080,PSOSITE,""\_PSODATA\_"")=""  
 . . S PSORXIEN=PSORXSAV  
 Q  
VIEWV ; PSO TEST ONLY VIEW VEXHRX option  
 Q:$$PROD^XUPROD()  
 S PG=0  
 N PSOFILLD,PSOLEV,PSOLINE,PSOPATNM,PSORXNUM,PSOSITNM,PSOSTAT,PSOVIEWV  
 W !  
 S PSOVIEWV="ZW ^VEXHRX" X PSOVIEWV  
 S DIR("T")=DTIME,DIR(0)="EA",DIR("A")="Type <Enter> to continue or '^' to exit" D ^DIR W ! I $D(DIRUT) Q  
 N PSOABLE,PSODFN,PSODFNRX,PSOGET,PSOPPOS,PSORDT,PSORSLT,PSOUSER,PSOSITE,PSOSITID  
 K FDA,PSOERR  
 S (PSOABLE,PSOPPOS,PSORSLT,PSORDT,PSOSTAT,PSOUSER)=""  
 I '$D(^VEXHRX) W !,"Nothing to print"  
 S PSOSITE=0 F  S PSOSITE=$O(^VEXHRX(19080,PSOSITE)) Q:'PSOSITE  D  
 . S PSODFNRX=0 F  S PSODFNRX=$O(^VEXHRX(19080,PSOSITE,PSODFNRX)) Q:'PSODFNRX  D   
 . . S PSOSITID=0 S PSOSITID=$O(^PS(59,"C",PSOSITE,PSOSITID))  
 . . S PSODFN=$P(PSODFNRX,"-",1)  
 . . S PSORXIEN=$P(PSODFNRX,"-",2)  
 . . S PSOGET=$G(^VEXHRX(19080,PSOSITE,PSODFNRX))  
 . . S:$D(PSOGET) PSORDT=$P(PSOGET,U,1),PSOSTAT=$P(PSOGET,U,2),PSOABLE=$P(PSOGET,U,5),PSORSLT=$P(PSOGET,U,6),PSOUSER=$P(PSOGET,U,7),PSOPPOS=$P(PSOGET,U,8) I $G(PSORDT) Q:PSOGET'["^"  
 . . S PSORXNUM=$$GET1^DIQ(52,PSORXIEN,.01,"I")  
 . . S PSOPATNM=$$GET1^DIQ(2,PSODFN,.01,"E")  
 . . S PSOSITNM=$$GET1^DIQ(59,PSOSITID,.01,"E")  
 . . S PSOFILLD=$P(^VEXHRX(19080,PSOSITE,PSODFNRX),"^",1) I $G(PSOFILLD) S Y=PSOFILLD X ^DD("DD") S PSOFILLD=Y  
 . . S PSOSTAT=$P(^VEXHRX(19080,PSOSITE,PSODFNRX),"^",2)  
 . . S PSOABLE=$P(^VEXHRX(19080,PSOSITE,PSODFNRX),"^",5)  
 . . S PSORSLT=$P(^VEXHRX(19080,PSOSITE,PSODFNRX),"^",6)  
 . . S PSOUSER=$P(^VEXHRX(19080,PSOSITE,PSODFNRX),"^",7)  
 . . S PSOPPOS=$P(^VEXHRX(19080,PSOSITE,PSODFNRX),"^",8)  
 . . S PSOLEV=0  
 . . S PSOLINE="-" F PSOLEV=1:1:78 W PSOLINE Q:PSOLEV=78  
 . . W !,"RX #: "\_PSORXNUM\_" RX IEN "\_PSORXIEN,?42,"FILL DATE: "\_PSOFILLD  
 . . W !,"PATIENT: ",PSOPATNM\_"("\_PSODFN\_")",?42,"DIVISION: ",PSOSITNM  
 . . W !,"RESULT: ",PSORSLT,?42,"PROVIDER POSITION: ",PSOPPOS  
 . . W !,"STATUS: "\_PSOSTAT,?15,?42,"RENEW(N,U,or I): "\_PSOABLE  
 . . W !,"USER PROCESSING ORDER: "\_PSOUSER  
 . . W !  
 R !,"End of File, Review the audiocare global contents, Press ENTER to quit",X:1800  
 Q  
52444 ;DISPLAY CONTENTS OF THE PHARMACY TELEPHONE REFILLS FILE 52.444  
 Q:$$PROD^XUPROD()  
 N PSORXN,PSO5244V,PSORXIEN,PSOSITID,PSODFN,PSOFILLD,PSOSTAT,PSOABLE,PSORSLT,PSOUSER,PSOPPS,PSORXNUM,PSOPATNM,PSOSITNM,PSOLEV,PSOLINE  
 S PSO5244V="ZW ^PS(52.444)" X PSO5244V  
 S PSORXN=0 F  S PSORXN=$O(^PS(52.444,PSORXN)) Q:'PSORXN  D  
 . S PSORXIEN=$P(^PS(52.444,PSORXN,0),U)  
 . S PSOSITID=$P(^PS(52.444,PSORXN,0),U,2)  
 . S PSODFN=$P(^PS(52.444,PSORXN,0),U,3)  
 . S PSOFILLD=$P(^PS(52.444,PSORXN,0),U,4) I $G(PSOFILLD) S Y=PSOFILLD X ^DD("DD") S PSOFILLD=Y  
 . S PSOSTAT=$P(^PS(52.444,PSORXN,0),U,5)  
 . S PSOABLE=$P(^PS(52.444,PSORXN,0),U,6)  
 . S PSORSLT=$P(^PS(52.444,PSORXN,0),U,7)  
 . S PSOUSER=$P(^PS(52.444,PSORXN,0),U,8)  
 . S PSOPPOS=$P(^PS(52.444,PSORXN,0),U,9)  
 . S PSORXNUM=$$GET1^DIQ(52,PSORXIEN,.01,"I")  
 . S PSOPATNM=$$GET1^DIQ(2,PSODFN,.01,"E")  
 . S PSOSITNM=$$GET1^DIQ(59,PSOSITID,.01,"E")  
 . S PSOLEV=0  
 . S PSOLINE="-" F PSOLEV=1:1:78 W PSOLINE Q:PSOLEV=78   
 . W !,"RX #: "\_PSORXNUM\_" RX IEN "\_PSORXIEN,?42,"FILL DATE: "\_PSOFILLD  
 . W !,"PATIENT: ",PSOPATNM\_"("\_PSODFN\_")",?42,"DIVISION: ",PSOSITNM  
 . W !,"RESULT: ",PSORSLT,?42,"PROVIDER POSITION: ",PSOPPOS  
 . W !,"STATUS: "\_PSOSTAT,?15,?42,"RENEW(N,U,or I): "\_PSOABLE  
 . W !,"USER PROCESSING ORDER: "\_PSOUSER  
 . W !  
 R !,"End of File, Review the New Telephone Refill FIle 52.444 global contents, Press ENTER to quit",X:1800  
 Q   
CLEARVEN ; This utility is designed to CLEAR ALL THE VEXHRX global for test account testing.  
 Q:$$PROD^XUPROD() ;NOT ALLOWED TO RUN IN PRODUCTION  
 K ^VEXHRX(19080)  
 Q  
PARTVEN ;This utility is designed to CLEAR THE VEXHRX global if no vendor pieces are set for test account testing.  
 Q:$$PROD^XUPROD()  
 S PSOSITE=0 F  S PSOSITE=$O(^VEXHRX(19080,PSOSITE)) Q:'PSOSITE  D  
 . S PSODFNRX=0 F  S PSODFNRX=$O(^VEXHRX(19080,PSOSITE,PSODFNRX)) Q:'PSODFNRX  D   
 . . I $G(^VEXHRX(19080,PSOSITE,PSODFNRX))["^" Q  
 . . I $G(^VEXHRX(19080,PSOSITE,PSODFNRX))'["^" K ^VEXHRX(19080,PSOSITE,PSODFNRX)  
 Q  
REMAIN ;  
 S PSOREFL=$P(^PSRX(PSORXIEN,0),"^",9),PSOI=0 F  S PSOI=$O(^PSRX(PSORXIEN,1,PSOI)) Q:'PSOI  S PSOREFL=PSOREFL-1  
 Q PSOREFL  
NARCOTIC ;  
 S PSONARC=""  
 S PSODIEN=$P(^PSRX(PSORXIEN,0),"^",6)  
 I $P(^PSDRUG(PSODIEN,0),"^",3)["A" S PSONARC=1  
 Q PSONARC  
LOOKNEW ;  
 N PSORXFW  
 W !!,"ORIGINAL Prescription IEN: "\_PSORXIEN  
 S PSORXFW=$$GET1^DIQ(52,PSORXIEN,39.5,"I")  
 I $G(PSORXFW) W !,"SUCCESORien: "\_PSORXFW S PSORXIEN=PSORXFW K PSORXFW G LOOKNEW  
 Q  
CLEAR5 ;delete Records from the new file 52.444 while leaving the zeroth node.  
 Q:$$PROD^XUPROD()  
 N PSORDT,PSORXEN  
 S PSORXEN=0 F  S PSORXEN=$O(^PS(52.444,PSORXEN)) Q:'PSORXEN  D  
 . S DIK="^PS(52.444,",DA=PSORXEN D ^DIK K DIK,DA  
 Q

**PSX82P (New)**

PSX82P ;EPIP/RTW-TEST CMOP Not Dispensed Rx List Message; 02/05/2018 12:13 PM  
 ;;2.0;CMOP;\*\*82\*\*;11 Apr 97;Build 2  
 ;for test only use for NSR 20170709 Add Finishing Pharmacists Name on CMOP Report  
 ;building the temp global used to simulate the "VAMC 652 CMOP Not Dispensed Rx List" message  
 ;This routine can be deleted from the production installation and from test after IOC production testing begins.   
 ;--------------------------------------------------------------------------------------  
 ; External reference to $$GET1^DIQ supported by ICR 2056  
 ; External reference to $$PROD^XUPROD supported by ICR 4440  
 ;  
 ;  
 ;  
CMOPTRAN ;  
 I $$PROD^XUPROD() W !!,"This option will not run in a production environment." Q  
 N CMOPBAT,CMOPBATN,CMOPDFN,CMOPDIV,CMOPDRG,CMOPID,CMOPIEN,CMOPNM,CMOPNUM,CMOPQTY,CMOPRXFL,CMOPRXN,CMOPRIEN,CMOPYN,REASON  
 K ^TMP("PSXCAN1",$J)  
 S CMOPBATN=$P(^PSX(550.2,0),U,3)  
 S DIC(0)="AEMQZ",DIC="^PSX(550.2,",DIC("B")=$G(CMOPBATN) D ^DIC K DIC G:$D(DTOUT)!($D(DUOUT))!($G(Y)'>0) EXIT S CMOPBAT=+Y K Y  
 S:$G(CMOPBAT) CMOPBATN=$$GET1^DIQ(550.2,CMOPBAT,.01) ;  
 S CMOPIEN=0 F  S CMOPIEN=$O(^PSX(550.2,CMOPBATN,15,CMOPIEN)) Q:'CMOPIEN  D  
 . S CMOPRIEN=$P(^PSX(550.2,CMOPBATN,15,CMOPIEN,0),U,1) ;IEN FROM THE PRECRIPTION FILE  
 . S CMOPRXN=$P(^PSRX(CMOPRIEN,0),U,1)  
 . S CMOPDRG=$P(^PSRX(CMOPRIEN,0),"^",6)  
 . S CMOPDFN=$P(^PSX(550.2,CMOPBATN,15,CMOPIEN,0),U,3) ;PATEINT DFN  
 . S CMOPDIV=$P(^PSRX(CMOPRIEN,2),U,9)  
 . S CMOPQTY=$P(^PSRX(CMOPRIEN,0),U,7)  
 . S CMOPYN=""  
 . S CMOPID=CMOPDRG  ;FOR TESTING THESE NEED TO BE EQUAL.  
 . S REASON="CMOP TESTING"  
 . S CMOPRXFL=$P(^PSX(550.2,CMOPBATN,15,0),U,3)  
 . I $G(CMOPDRG)]"" S CMOPNM=$P($G(^PSDRUG(CMOPDRG,0)),"^") S:'$D(^PSDRUG("AQ",CMOPDRG)) CMOPYN=1  
 . S ^TMP("PSXCAN1",$J,CMOPDIV,CMOPDFN,CMOPRXN)=$G(CMOPNM)\_U\_$G(CMOPID)\_U\_$G(CMOPQTY)\_U\_$G(CMOPDRG)\_U\_$G(CMOPYN)\_U\_REASON\_U\_$G(CMOPRXFL)\_U\_$G(CMOPBAT)  
 D CAN^PSXMSGS ;this creates the test message.  
 Q  
EXIT K DIC,DTOUT,DUOUT  
 Q