

Department of Veterans Affairs

Medication Order Check Healthcare Application v2 Enhancements 1 (MOCHA v2.1)

System Design Document



September 2014

Version 2.4

Revision History

Note: The revision history cycle begins once changes or enhancements are requested after the System Design Document has been baselined.

Date	Version	Description	Author
09/12/2014	2.4	Update RSD filenames	
08/07/2014	2.3	Updated section 2.6.5	
06/11/2014	2.2	Updated content	
05/06/2014	2.1	Format/edit.	
05/02/2014	2.0	Add Routines from ME2B that are now part of MOCHA v2.1	
03/19/2014	1.5	Add Approvals	
02/20/2014	1.5	Merge 3 SDDs into one document	
12/03/2013	1.4	Final edit	
11/26/2013	1.3	Updated Scope section	
10/31/2013	1.2	Updated section 6	
10/04/2013	1.1	Update content, format	
09/19/2013	1.0	Format/edit	
09/09/2013	0.1	Initial Draft	

ProPath Template Version 1.2

Artifact Rationale

The System Design Document (SDD) is a dual-use document that provides the conceptual design as well as the as-built design. This document will be updated as the product is built, to reflect the as-built product. Per the Project Management Accountability System (PMAS) Guide, the SDD with conceptual design is required prior to the Milestone 1 Review. The as-built for each delivery must be incorporated prior to the Milestone 2 Review.

Table of Contents

1. Introduction	1
1.1. Purpose of this document.....	1
1.2. Identification	1
1.3. Scope	1
1.4. Relationship to Other Plans.....	2
1.5. Methodology, Tools, and Techniques.....	2
1.6. Constraining Policies, Directives, and Procedures	2
1.7. Constraints.....	2
1.8. Design Trade-offs	2
1.9. User Characteristics	2
1.10. User Problem Statement	3
2. Background	3
2.1. Overview of the System	3
2.2. Overview of the Business Process	4
2.3. Assumptions	4
2.4. Legacy System Retirement	4
3. Conceptual Design.....	5
3.1. Conceptual Application Design	5
3.1.1. Application Context	5
3.1.2. High-Level Application Design	5
3.1.3. Application Locations.....	5
3.1.4. Application Users	6
3.2. Conceptual Data Design.....	6
3.2.1. Project Conceptual Data Model	6
3.2.2. Database Information	6
3.2.3. User Interface Data Mapping.....	6
3.2.3.1. Application Screen Interface	6
3.2.3.2. Application Report Interface.....	6
3.2.3.3. Unmapped Data Element.....	7
3.3. Conceptual Infrastructure Design	7
3.3.1. System Criticality and High Availability	7
3.3.2. Special Technology	7
3.3.3. Technology Locations.....	8
3.3.4. Conceptual Infrastructure Diagram	8
3.3.4.1. Location of Environments and External Interfaces	8
3.3.4.2. Conceptual Production String Diagram	8

4. System Architecture	8
4.1. Hardware Architecture	8
4.2. Software Architecture.....	8
4.3. Communications Architecture.....	8
5. Data Design	9
5.1. DBMS Files	9
5.2. Non-DBMS Files	9
6. Detailed Design	9
6.1. Hardware Detailed Design.....	9
6.2. Software Detailed Design.....	9
6.2.1. Conceptual Design	9
6.2.1.1. Product Perspective.....	9
6.2.1.2. Product Features	10
6.2.1.3. User Characteristics	11
6.2.1.4. Dependencies and Constraints	11
6.2.2. Specific Requirements	12
6.2.2.1. Database Repository	12
6.2.2.2. System Features - INPATIENT	12
6.2.2.3. System Features – OUTPATIENT	33
6.2.2.4. System Features – PDM.....	126
6.2.2.5. System Features – Non-Dosing	141
6.3. Design Element Tables – PDM.....	349
6.3.1. Interface Event File	349
6.3.1.1. Data Dictionaries	350
6.3.1.2. Field Definition Information	350
6.3.1.3. Unique Record(s) [Commonly the .01 field].....	357
6.3.1.4. File/Global Size Changes	357
6.3.2. Utility Class	357
6.3.2.1. Routines (Entry Points).....	357
6.3.2.2. Classes Defined	358
6.3.2.3. Current Form	358
6.3.2.4. Events	358
6.3.2.5. Methods.....	358
6.3.2.6. Properties	359
6.3.2.7. Constructor API	359
6.3.2.8. Destructor API	360
6.3.2.9. Method API.....	361
6.3.2.10. Help Frame.....	362
6.3.3. Utility List Class	362
6.3.3.1. Routines (Entry Points).....	362
6.3.3.2. Classes Defined	363
6.3.3.3. Current Form	363
6.3.3.4. Events	363
6.3.3.5. Methods.....	363

6.3.3.6.	Properties	364
6.3.3.7.	Constructor API	364
6.3.3.8.	Destructor API	365
6.3.3.9.	Method API.....	365
6.3.3.10.	Help Frame.....	366
6.3.4.	Factory Class	366
6.3.4.1.	Routines (Entry Points).....	367
6.3.4.2.	Classes Defined	368
6.3.4.3.	Current Form	368
6.3.4.4.	Events	368
6.3.4.5.	Methods.....	369
6.3.4.6.	Properties	369
6.3.4.7.	Kernel Parameters.....	369
6.3.4.8.	Constructor API	369
6.3.4.9.	Destructor API	370
6.3.4.10.	Method API.....	371
6.3.4.11.	Remote Procedure Call – Factory Accessor	371
6.3.4.12.	Remote Procedure Call – Method Accessor	372
6.3.4.13.	Help Frame.....	372
6.3.5.	Interface Event Manager Class (EventManager).....	372
6.3.5.1.	Routines (Entry Points).....	372
6.3.5.2.	Classes Defined	373
6.3.5.3.	Proposed Form.....	374
6.3.5.4.	Events	375
6.3.5.5.	Methods.....	375
6.3.5.6.	Properties	375
6.3.5.7.	PSS RETRIEVE PARAMETERS	376
6.3.5.8.	Kernel Parameters.....	376
6.3.5.9.	Constructor API	377
6.3.5.10.	Destructor API	378
6.3.5.11.	Method API.....	379
6.3.5.12.	Help Frame.....	379
6.3.6.	System Level Event Class.....	380
6.3.6.1.	Routines (Entry Points).....	380
6.3.6.2.	Classes Defined	380
6.3.6.3.	Proposed Form.....	381
6.3.6.4.	Events	382
6.3.6.5.	Methods.....	382
6.3.6.6.	Properties	382
6.3.6.7.	Constructor API	382
6.3.6.8.	Destructor API	383
6.3.6.9.	Method API.....	384
6.3.6.10.	Help Frame.....	385
6.3.7.	Drug Level Event Class	385
6.3.7.1.	Routines (Entry Points).....	385
6.3.7.2.	Classes Defined	386
6.3.7.3.	Proposed Form.....	386
6.3.7.4.	Events	387
6.3.7.5.	Methods.....	387

6.3.7.6.	Properties	387
6.3.7.7.	Constructor API	387
6.3.7.8.	Destructor API	388
6.3.7.9.	Method API.....	389
6.3.7.10.	Help Frame.....	390
6.3.8.	Order Level Event Class	390
6.3.8.1.	Routines (Entry Points)	390
6.3.8.2.	Classes Defined	391
6.3.8.3.	Proposed Form.....	391
6.3.8.4.	Events	392
6.3.8.5.	Methods.....	392
6.3.8.6.	Properties	392
6.3.8.7.	Constructor API	392
6.3.8.8.	Destructor API	393
6.3.8.9.	Method API.....	394
6.3.8.10.	Help Frame.....	395
6.3.9.	Order Check Event Class	395
6.3.9.1.	Routines (Entry Points)	395
6.3.9.2.	Classes Defined	396
6.3.9.3.	Proposed Form.....	396
6.3.9.4.	Events	397
6.3.9.5.	Methods.....	397
6.3.9.6.	Properties	397
6.3.9.7.	Constructor API	398
6.3.9.8.	Destructor API	399
6.3.9.9.	Method API.....	399
6.3.9.10.	Help Frame.....	400
6.3.10.	Interface Event Class.....	400
6.3.10.1.	Routines (Entry Points)	401
6.3.10.2.	Classes Defined	403
6.3.10.3.	Proposed Form.....	404
6.3.10.4.	Events	404
6.3.10.5.	Methods.....	404
6.3.10.6.	Properties	405
6.3.10.7.	Constructor API	405
6.3.10.8.	Destructor API	406
6.3.10.9.	Method API.....	407
6.3.10.10.	Help Frame.....	408
6.3.11.	Timer Class	408
6.3.11.1.	Routines (Entry Points)	408
6.3.11.2.	Classes Defined	409
6.3.11.3.	Proposed Form.....	409
6.3.11.4.	Events	409
6.3.11.5.	Methods.....	409
6.3.11.6.	Properties	409
6.3.11.7.	Constructor API	410
6.3.11.8.	Destructor API	411
6.3.11.9.	Method API.....	411
6.3.11.10.	Help Frame.....	412

6.3.12. Name Class	412
6.3.12.1. Routines (Entry Points)	412
6.3.12.2. Classes Defined	413
6.3.12.3. Proposed Form.....	413
6.3.12.4. Events	414
6.3.12.5. Methods.....	414
6.3.12.6. Properties	414
6.3.12.7. Constructor API	414
6.3.12.8. Destructor API	415
6.3.12.9. Method API.....	416
6.3.12.10. Help Frame.....	416
6.3.13. Event Summary Class	417
6.3.13.1. Routines (Entry Points)	417
6.3.13.2. Classes Defined	418
6.3.13.3. Proposed Form.....	418
6.3.13.4. Events	418
6.3.13.5. Methods.....	418
6.3.13.6. Properties	419
6.3.13.7. Constructor API	419
6.3.13.8. Destructor API	420
6.3.13.9. Method API.....	421
6.3.13.10. Help Frame.....	421
6.4. Design Element Tables.....	421
6.4.1. Routines (Entry Points)	422
6.4.2. Templates	422
6.4.3. Bulletins	422
6.4.4. Data Dictionaries.....	422
6.4.5. Field Definition Information.....	422
6.4.6. Data Entries Affected by the Design.....	422
6.4.7. Unique Record(s) [Commonly the .01 field]	422
6.4.8. File/Global Size Changes	422
6.4.9. Mail Groups	422
6.4.10. Security Keys	422
6.4.11. Options	422
6.4.11.1. Options – Inpatient.....	422
6.4.11.2. Options – Outpatient.....	422
6.4.11.3. Design Element Tables.....	423
7. External Interface Design	461
7.1. Interface Architecture.....	461
7.2. Interface Detailed Design	461
8. Human-Machine Interface	461
8.1. Interface Design Rules	461
8.2. Inputs	461
8.3. Outputs	461

8.4. Navigation Hierarchy	461
9. System Integrity Controls	461
10. Approval Signatures	462
A. Additional Information	464

Table of Tables

Table 1: Application Locations	5
Table 2: Application Users	6
Table 3: Database Inventory	6
Table 4: Administration Schedule File Report Description.....	7
Table 5: Medication Instruction File Report Description	7
Table 6: Special Technology Requirements	7
Table 7: Technology Location Details.....	8
Table 8: Routines	423
Table 9: Routines	424
Table 10: Routines	425
Table 11: Routines	425
Table 12: Routines	426
Table 13: Acronyms.....	464

1 Introduction

This document is in reference to the software package Medication Order Check Healthcare Application (MOCHA) v2.1, which incorporates Dose Range Check with a Max Daily Dose limit for simple orders.

1.1 Purpose of this document

The purpose of this document is to identify the software changes needed to implement MOCHA v2.1. These changes include M routines and all other components (templates, data dictionaries, etc.) that will be exported to the VA facilities for installation.

1.2 Identification

The system features detailed in this document all follow the rules and guidelines of the American National Standards Institute (ANSI), and the standards and conventions defined by the Department of Veterans Affairs.

1.3 Scope

The following functionality will be included in the Inpatient Medications application for MOCHA v2.1.

1.3.1 Dosing

- Implement Dose Range Checking with a Max Daily Dose limit for simple medication orders entered through Outpatient Pharmacy, Inpatient Medications applications and CPRS.
- Display a generic error message when the Max Daily Dose Order Check cannot be performed in CPRS.
- Display an error message when the Max Daily Dose Order Check cannot be performed in Pharmacy with a detailed reason.
- Correct all daily dose errors due to frequency failure.
- Resolve miscellaneous frequency issues.
- Apply Daily Dose Check exclusion for schedule to medication orders entered through Outpatient Pharmacy, Inpatient Medications, and CPRS.
- Apply note to Max Daily Dose warning and General Dosing Guidelines for medication administered through eye, ear or nose.
- Enhance free text dosage logic for dosing ranges.
- Enhance free text logic to screen out informational data placed in parenthesis which is found in the dosage ordered field for an order.
- Enhance free text logic for a multi-ingredient.
- Create a customized frequency message.
- Create a new file to handle dose unit conversions.
- Create a Max Daily Dose Warning message for the calculated Daily Dose.

- Add a synonym to an entry in the DOSE UNITS file (#51.24).
- Add FDB data elements from Dosing Order Check call to VistA side of interface
- Display a customized frequency message.
- Display a Max Daily Dose Warning message for the calculated Daily Dose.
- Exclude expired Outpatient orders from Drug Interaction Order Checks for CPRS
- Modifications to the 'Available Dosage(s)' list when a screen break occurs during order entry through the Outpatient Pharmacy application.
- Modifications to the accompanying dialog for the 'Available Dosage(s)' list displayed during order entry through the Outpatient Pharmacy application.

1.3.2 Non-Dosing

Note: Due to the MOCHA ME2B split, the following was added to MOCHA v2.1.

- **CR1006** - View Order Check Details/History
 - Includes Storing and Displaying Allergy/ADR
 - Includes Storing and Displaying Dosing Order Checks
 - Includes Storing and Displaying CROC
- **CR2984** - Log Error Trap entry for System, Drug, and Order Level errors

1.4 Relationship to Other Plans

Future versions of MOCHA will build upon the software that is documented here.

1.5 Methodology, Tools, and Techniques

Any coding changes outside of what is described in the document must come to development as an approved Code Change Request through ClearQuest.

1.6 Constraining Policies, Directives, and Procedures

N/A

1.7 Constraints

All software code is written in MUMPS (Massachusetts General Hospital Utility Multi-Programming System).

1.8 Design Trade-offs

N/A

1.9 User Characteristics

The users of this software will mainly be Pharmacists and Physicians.

1.10 User Problem Statement

With MOCHA v2.0, the Single Dose check was introduced. With MOCHA v2.1, Dose Range Check for simple orders is introduced. Prior to these 2 enhancements, Dose Check was unavailable when processing medication orders in VistA.

2 Background

2.1 Overview of the System

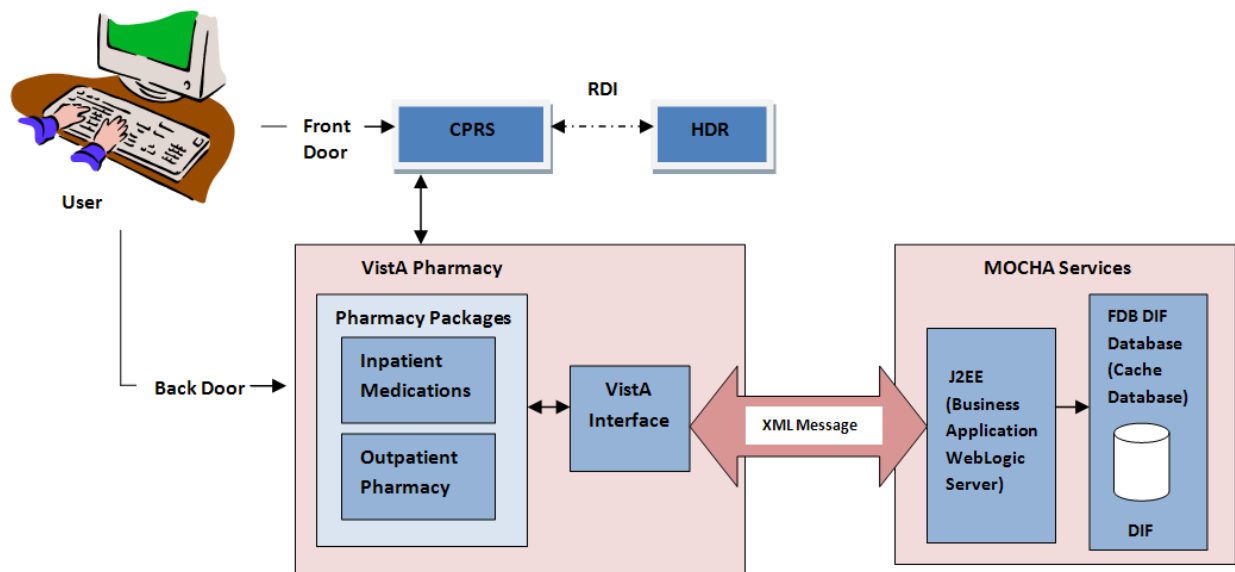
MOCHA v2.1 implements Dose Range Check with a Max Daily Dose limit for simple medication orders. Software modifications will be made for Pharmacy Data Management (PDM), Outpatient Pharmacy, and Inpatient Medications applications. The development team will work closely with the CPRS team to make sure any corresponding changes in CPRS are also developed in this increment.

Here is a table from the BRD describing the Primary and Secondary users of the system:

Primary Users	Providers with prescriptive authority	Order medications, review alerts, justify critical order check overrides, and modify or cancel orders based upon information contained in the alert
Primary Users	Pharmacists	Review medication orders and associated order check alerts/override justifications; provide additional consultation to providers if order check alert follow-up required
Primary Users	Nurses	Administer medications per constraints of licensure, review medication order check alerts/provider override justifications and pharmacist interventions
Secondary Users	PBM	Evaluate and report on medication alert systems

2.2 Overview of the Business Process

Taken from the BRD:



This diagram depicts the basic flow of order check data for Drug Interactions and Duplicate Therapy Order Checks as introduced with MOCHA v1.0 and continued in MOCHA v2.0 with the Maximum Single Dose Order Check. Dose Range Check introduced with the MOCHA v2.1 project will also use the same process.

When a VistA application, such as Outpatient Pharmacy or Inpatient Medications requests an order check, the data required to perform the check will be sent from VistA to FDB using the Healthevet Web Services Client (HWSC) in the form of an XML message. The MOCHA services will receive and validate the format of the request. Provided the format is correct, the MOCHA services will triage the request, interacting with FDB's MedKnowledge Framework to perform the requested check, and return the results.

The way Remote Data Interoperability (RDI) works has not changed. For Duplicate Therapy and Drug Interaction Order Checks, the remote information is bundled with local information for the patient as the order check request. With the implementation of MOCHA v1.0, another step was added in the process. Instead of the order checks (i.e. Drug Interactions, Duplicate Therapy) being performed all within VistA, now the order checks are performed by FDB's MedKnowledge Framework. RDI does not come into play for Dosing Order Checks. Dosing Order Checks are only performed on local medication orders.

2.3 Assumptions

VA Hospitals installing this software will have done all of the necessary setup work required for a successful implementation.

2.4 Legacy System Retirement

This Dosing functionality is new, so there is no retirement of any Legacy systems.

3 Conceptual Design

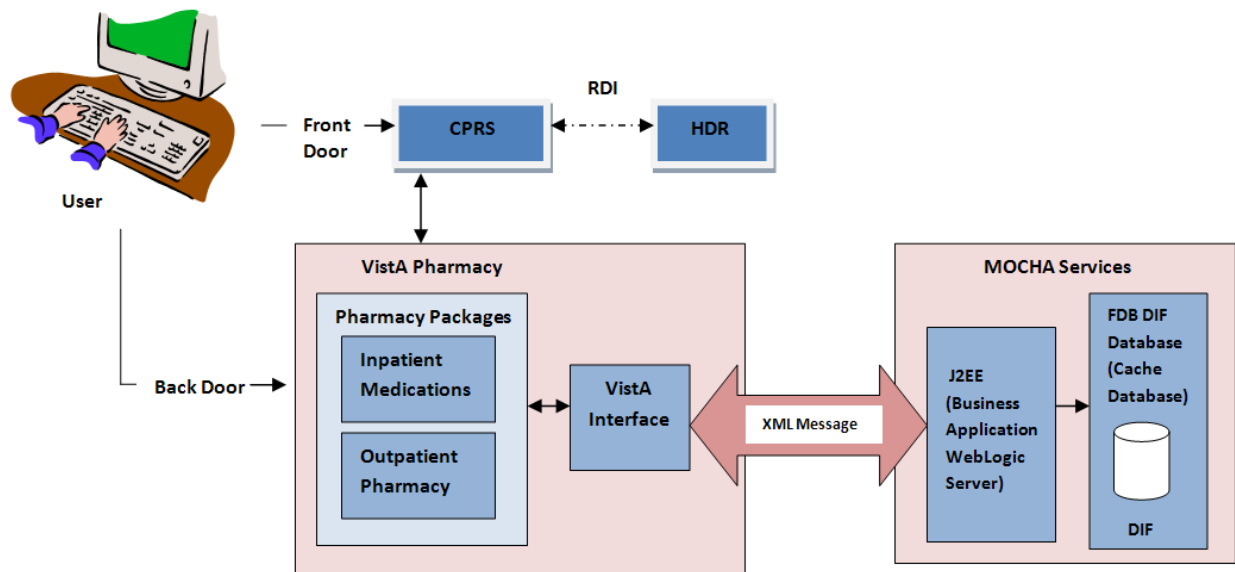
This section of the SDD provides details about the following topics:

- Conceptual Application Design
- Conceptual Data Design
- Conceptual Infrastructure Design

3.1 Conceptual Application Design

This section provides the conceptual design of the application that is being produced by this project.

3.1.1 Application Context



3.1.2 High-Level Application Design

See figure in 3.1.1

3.1.3 Application Locations

Table 1: Application Locations

Application Component	Description	Location at Which Component is Run	Type
VistA Pharmacy	Local VistA Pharmacy system	Local VistA Pharmacy system at the site	All
MOCHA Server	Server that houses the First Databank MedKnowledge Framework database and APIs	Austin Information Technology Center (AITC) and Philadelphia Information Technology Center (PITC)	Business Logic/Data Logic

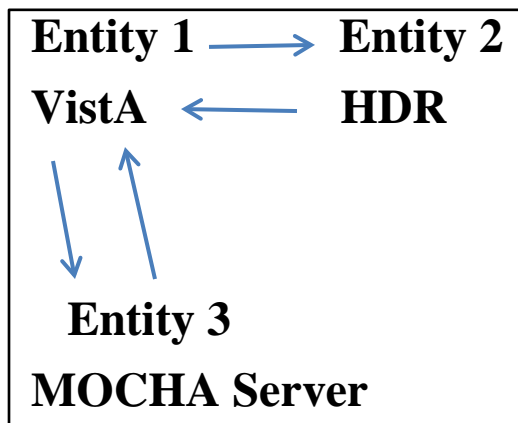
3.1.4 Application Users

Table 2: Application Users

Application Component	Location	User
VistA Pharmacy	Local facility	Providers, Pharmacists, Nurses
MOCHA Server	Local Facility	Providers, Pharmacists, Nurses (will use via VistA Pharmacy)

3.2 Conceptual Data Design

3.2.1 Project Conceptual Data Model



3.2.2 Database Information

Table 3: Database Inventory

Database Name	Description	Type	Steward
VistA Database	Dosing Order Checks will now be stored, in addition to some VistA Pharmacy infrastructure data	Create	Pharmacy and CPRS applications

3.2.3 User Interface Data Mapping

This section describes and defines the format and information that will be available for users of the product to be able to enter data into the database or to retrieve information from the database, if applicable.

3.2.4 Application Screen Interface

GUI not applicable

3.2.5 Application Report Interface

This section describes and defines the reports that will be available in the user interface, if applicable.

No new reports with MOCHA v2.1. Two reports were modified:

3.2.5.1.1 Administration Schedule File Report

BID

```

STANDARD ADMINISTRATION TIMES: 09-17
OUTPATIENT EXPANSION: TWICE A DAY
OTHER LANGUAGE EXPANSION:
  OLD SCHEDULE NAME(S):
    SCHEDULE TYPE: CONTINUOUS
    FREQUENCY (IN MINUTES): 720
  EXCLUDE FROM ALL DOSE CHECKS:
  EXCLUDE FROM DAILY DOSE CHECK:
  DOSING CHECK FREQUENCY: X2D
  DRUG(S):

```

Table 4: Administration Schedule File Report Description

Report Column	Data Source
All	All information comes from the Administration Schedule file (#51.1)

3.2.5.1.2 Medication Instruction File Report

```

BID
      SYNONYM:
      EXPANSION: TWICE DAILY
OTHER LANGUAGE EXPANSION:
      PLURAL:
      INTENDED USE: IN & OUTPATIENT
DOSING FREQUENCY CHECK:
      DRUG(S):
FREQUENCY (IN MINUTES): 720
OLD MED INSTRUCTION NAME(S):

```

Table 5: Medication Instruction File Report Description

Report Column	Data Source
All	All information comes from the Medication Instruction file (#51)

3.2.6 Unmapped Data Element

N/A

3.3 Conceptual Infrastructure Design

The Conceptual Infrastructure Design is a high-level overview of the infrastructure that will be used to support the application.

3.3.1 System Criticality and High Availability

Disaster Recovery for the Vista instances is done locally. Disaster Recovery for the MOCHA Servers is outside the scope of this document.

3.3.2 Special Technology

Table 6: Special Technology Requirements

Special Technology	Description	Notional Location	TRM Status
MOCHA Server	Server that houses the First Databank MedKnowledge Framework database and APIs	AITC & PITC	unknown

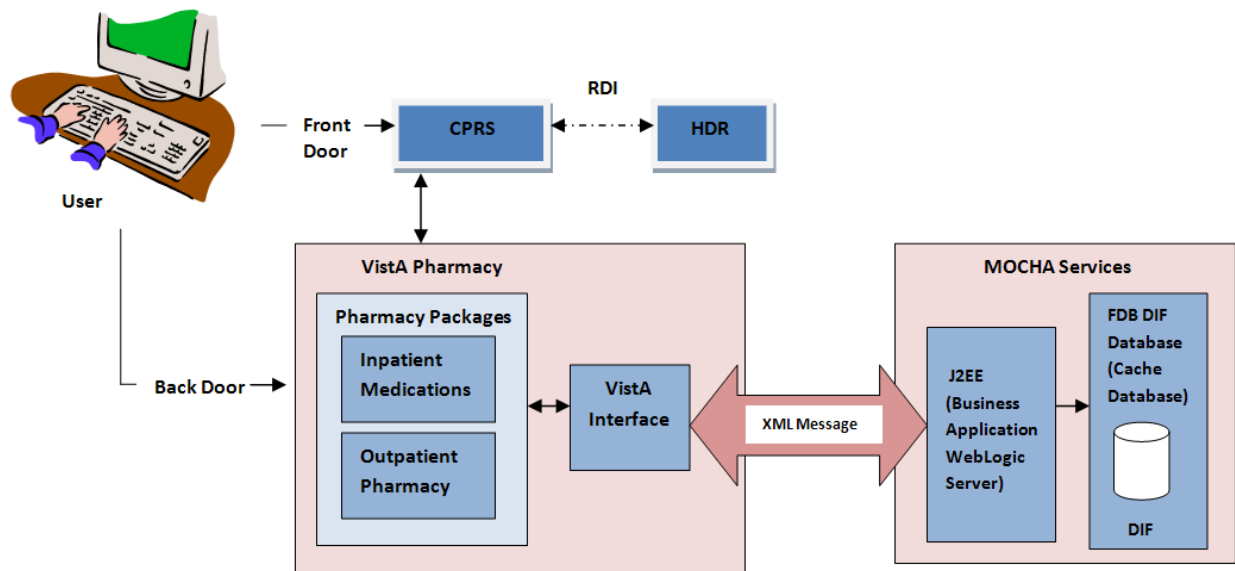
3.3.3 Technology Locations

Table 7: Technology Location Details

Technology Component Production 1	Location	Usage
VistA System	Local VistA System	Order Checking
MOCHA Server	AITC & PITC	Order Checking

3.3.4 Conceptual Infrastructure Diagram

3.3.5 Location of Environments and External Interfaces



3.3.6 Conceptual Production String Diagram

See diagram in Section 3.3.4.1

4 System Architecture

N/A as MOCHA is part of VistA.

4.1 Hardware Architecture

N/A

4.2 Software Architecture

N/A

4.3 Communications Architecture

N/A

5 Data Design

N/A

5.1 DBMS Files

N/A

5.2 Non-DBMS Files

N/A

6 Detailed Design

N/A

6.1 Hardware Detailed Design

N/A

6.2 Software Detailed Design

This section provides conceptual and final detailed information associated with the design of the software being delivered.

6.2.1 Conceptual Design

This section introduces the conceptual information that establishes the basis for how the software will be built.

6.2.2 Product Perspective

6.2.2.1.1 User Interfaces

The software product will conform to the existing VistA conventions. Reports, menus, options, and screen formats will conform to the existing VistA conventions. Report formats and option process steps, such as “roll & scroll,” will be fielded and tested for usability by test site personnel, as well as user representatives and subject matter experts.

6.2.2.1.2 Hardware Interfaces

This product shall run on standard hardware platforms that VHA facilities use. These systems consist of standard or upgraded Alpha AXP clusters and operate Open M products.

These enhancements are compatible with existing hardware. No hardware issues are involved with these enhancements

6.2.2.1.3 Software Interfaces

Within VistA, the MOCHA project will use an existing interface via API to and from CPRS. These API's will allow for:

- CPRS to request and receive order checks for provider entry of medication orders.
- Inpatient Medication and Outpatient Pharmacy VistA packages to request and receive remote order data from the Health Data Repository (HDR) via CPRS.

Within VistA, the MOCHA project will interface via API to HWSC to request order check data from FDB's MedKnowledge Framework (formerly Drug Information Framework) database.

6.2.2.1.4 Communications Interfaces

N/A

6.2.2.1.5 Memory Constraints

N/A

6.2.2.1.6 Special Operations

The primary and back-up sites for data storage shall be the same sites used for the VistA Inpatient Medications application.

Maintenance, including maintenance of externally developed software incorporated into Inpatient Medications application, shall be scheduled during off peak hours or in conjunction with relevant VistA maintenance schedules.

Data protection measures, such as back-up intervals and redundancy shall be consistent with systems categorized as VistA.

6.2.3 Product Features

6.2.3.1.1 Dosing

- Implement Dose Range Checking with a Max Daily Dose limit for simple medication orders entered through Outpatient Pharmacy, Inpatient Medications applications, and CPRS.
- Display a generic error message when the Max Daily Dose Order Check cannot be performed in CPRS.
- Display an error message when the Max Daily Dose Order Check cannot be performed in Pharmacy with a detailed reason.
- Correct all daily dose errors due to frequency failure.
- Resolve miscellaneous frequency issues.
- Apply Daily Dose Check exclusion for schedule to medication orders entered through Outpatient Pharmacy, Inpatient Medications, and CPRS.
- Apply note to Max Daily Dose warning and General Dosing Guidelines for medication administered through eye, ear or nose.
- Enhance free text dosage logic for dosing ranges.
- Enhance free text logic to screen out informational data placed in parenthesis which is found in the dosage ordered field for an order.
- Enhance free text logic for a multi-ingredient.
- Create a customized frequency message
- Create a new file to handle dose unit conversions
- Create a Max Daily Dose Warning message for the calculated Daily Dose
- Add a synonym to an entry in the DOSE UNITS file (#51.24)
- Add FDB data elements from Dosing Order Check call to VistA side of interface

- Display a customized frequency message.
- Display a Max Daily Dose Warning message for the calculated Daily Dose.
- Exclude expired Outpatient orders from Drug Interaction Order Checks for CPRS
- Modifications to the 'Available Dosage(s)' list when a screen break occurs during order entry through the Outpatient Pharmacy application.
- Modifications to the accompanying dialog for the 'Available Dosage(s)' list displayed during order entry through the Outpatient Pharmacy application.

6.2.3.1.2 Non-Dosing

Note: Due to the MOCHA ME2B Split, the following was added to MOCHA v2.1 .

- **CR1006** - View Order Check Details/History
 - Includes Storing and Displaying Allergy/ADR
 - Includes Storing and Displaying Dosing Order Checks
 - Includes Storing and Displaying CROC
- **CR2984** - Log Error Trap entry for System, Drug, and Order Level errors

6.2.4 User Characteristics

The intended users of this enhancement are providers with prescriptive authority, pharmacists, Pharmacy technicians, nurses, and PBM.

6.2.5 Dependencies and Constraints

6.2.5.1.1 Dependencies

- CPRS must provide consistency of patient drug orders and drug information with Pharmacy applications
- Access to vital name and vital measurement data via Vitals APIs
- COTS Drug Information Vendor(s) - Drug information and associated decision support tools to be used across the Pharmacy enterprise must be available
- Encapsulation of VistA functionality that must be supported by reengineered Pharmacy application
- Testing and deployment of MOCHA will depend on available VA resources

6.2.5.1.2 Constraints

- Limited resources for the scheduled work - Current staffing levels not sufficient to support committed milestone dates
- Production environment support - Limited resources drawn away to support issues identified in production
- External pressures – User community, patient safety, and legislative pressures will continue to push continued enhancement of the current Legacy systems
- Funding – Significant and uninterrupted funding will be required to successfully complete the MOCHA Development effort
- CPRS - The coordination of the application releases
- COTS Drug Information Vendor(s) – updates to the COTS database

6.2.6 Specific Requirements

6.2.7 Database Repository

N/A

6.2.8 System Features - INPATIENT

6.2.8.1.1 Functional Requirement (RSD 2.6.1.1)

The Max Daily Dose Order Check shall replace the Daily Dose Range Order Check.

6.2.8.1.2 Functional Requirement (RSD 2.6.1.2)

The Max Daily Dose Order Check shall be implemented for all simple medication orders entered through CPRS, and Inpatient Medications (IV & Unit Dose) applications.

6.2.8.1.3 Functional Requirement (RSD 2.6.1.3)

The Max Daily Dose Order Check shall be incorporated in the following Inpatient Medication order entry processes:

- Entering a new IV or Unit Dose medication order
- Finishing a pending IV or Unit Dose medication order
- Renewing an IV or Unit Dose order
- Copying an IV or Unit Dose medication order, thereby creating a new order
- Verifying an IV or Unit Dose order
- Creating a new Unit Dose order when editing the orderable item (to a new orderable item) through pharmacy options
- When editing the IV additive fields (changing existing additive or adding new additive) for an IV order through pharmacy options
- When editing the IV solution fields (changing existing solution or adding a new solution) for an IV order through pharmacy options. This applies only to IV solutions marked as a PreMix.
- Entering a new Unit Dose medication order through Pharmacy options using order sets
- Editing the following for a Unit Dose order:
 - Dosage Ordered
 - Units per Dose (for Dispense Drug)
 - Med Route
 - Schedule
 - Start Date/Time*
 - Stop Date/Time*
- Editing the following for an IV order:
 - Infusion rate (only applies to IV types of 'Admixture', 'Hyperal', 'Chemotherapy Admixture', 'Continuous Syringe', or 'Chemotherapy Continuous Syringe')
 - Schedule (only applies to IV types of 'Piggyback', 'Intermittent Syringe', 'Chemotherapy Piggyback', or 'Chemotherapy Intermittent Syringe')
 - Med Route

- Volume (does not apply to orders with IV types of ‘Piggyback’, ‘Intermittent Syringe’, ‘Chemotherapy Piggyback’, or ‘Chemotherapy Intermittent Syringe’ with IV Solution not marked as PreMix)
- Start date/time*
- Stop date/time *

* When editing active Unit Dose and IV orders, Dosing Order Checks will be done after the changes are accepted; Enhanced Order Checks at verification. For non-verified Unit Dose and IV orders, Dosing Order Checks and Enhanced Order Checks will be done at verification.

6.2.8.1.4 Functional Requirement (RSD 2.6.1.4)

The Max Daily Dose Order Check shall be performed with the Maximum Single Dose Order Check and results from both order checks displayed at the same time for a simple medication order.

6.2.8.1.5 Functional Requirement (RSD 2.6.1.5)

If the daily dose exceeds the FDB recommended Max Daily Dose, a warning message shall be displayed to the user.

6.2.8.1.5.1 Functional Requirement (RSD 2.6.1.5.1)

The warning message shall be indented and a single space between messages shall be utilized.

6.2.8.1.5.2 Functional Requirement (RSD 2.6.1.5.2)

The drug name shall precede the warning message.

6.2.8.1.5.2.1 Functional Requirement (RSD 2.6.1.5.2.1)

The dispense drug name shall be used for a unit dose order.

6.2.8.1.5.2.2 Functional Requirement (RSD 2.6.1.5.2.2)

For an IV Additive within an IV order, the IV Additive print name, strength, and unit shall display in the error message.

6.2.8.1.5.2.3 Functional Requirement (RSD 2.6.1.5.2.3)

For an IV Solution within an IV order, the IV Solution marked as a PreMix print name (1) and volume shall display in the error message.

6.2.8.1.6 Functional Requirement (RSD 2.6.1.6)

If a Max Daily Dose Order Check cannot be performed, the program shall display an order level error message to the user informing them of this along with general dosing information for the drug.

6.2.8.1.7 Functional Requirement (RSD 2.6.1.7)

If both Dosing Order Checks (Maximum Single Dose and Max Daily Dose) cannot be evaluated, the software shall display an error message and provide general dosing information messages for the drug.

6.2.8.1.8 Functional Requirement (RSD 2.6.1.8)

The user shall be required to log an intervention if a Max Daily Dose warning is displayed.

6.2.8.1.9 Functional Requirement (RSD 2.6.1.9)

For an IV order with multiple IV Additives/IV Solutions marked as PreMix, the user shall be prompted to log an intervention for every IV Additive/IV Solution marked as a PreMix for which a Max Daily Dose warning was displayed.

6.2.8.1.10 Functional Requirement (RSD 2.6.1.10)

Only one pharmacy intervention shall be logged if multiple warnings (Maximum Single Dose and Max Daily Dose) are displayed for a drug.

6.2.8.1.10.1 Functional Requirement (RSD 2.6.1.10.1)

The intervention type shall be set to 'MAX SINGLE DOSE & MAX DAILY DOSE'.

6.2.8.1.11 Functional Requirement (RSD 2.6.1.11)

If one or more Max Daily Dose warning message(s) is displayed, the intervention type for the pharmacy intervention logged shall be set to 'MAX DAILY DOSE'.

6.2.8.1.12 Functional Requirement (RSD 2.6.1.12)

No intervention shall be required for the display of only general dosing information messages and/or error/warning messages.

6.2.8.1.13 Functional Requirement (RSD 2.6.2.2)

The message format shall be defined as follows:

```
'General dosing range for' DRUG NAME (FDB DoseRouteDescription): DoseLow<sp>DoseLowUnit  
'to' DoseHigh<sp>DoseHighUnit. 'Maximum daily dose is 'MaxDailyDose<sp>MaxDailyDoseUnit.
```

Or

```
'General dosing range for' DRUG NAME (FDB DoseRouteDescription):  
DoseFormLow<sp>DoseFormLowUnit 'to' DoseFormHigh<sp>DoseFormHighUnit. 'Maximum daily  
dose is 'MaxDailyDoseForm<sp>MaxDailyDoseFormUnit.
```

See examples that follow:

```
General dosing range for GABAPENTIN 600MG TAB (ORAL): 300 milligrams per day to 1800  
milligrams per day. Maximum daily dose is 1800 milligrams per day.
```

Or

```
General dosing range for GABAPENTIN 600MG TAB (ORAL): 0.5 each per day to 3 each per  
day. Maximum daily dose is 3 each per day.
```


6.2.8.1.13.1 Functional Requirement (RSD 2.6.2.2.1)

If a DoseRouteDescription is not returned from FDB, no Dose Route shall be included in the general dosing information messages. See below:

```
'General dosing range for' DRUG NAME: DoseLow<sp>DoseLowUnit 'to'  
DoseHigh<sp>DoseHighUnit. 'Maximum daily dose is 'MaxDailyDose<sp>MaxDailyDoseUnit.
```

Or

```
'General dosing range for' DRUG NAME: DoseFormLow<sp>DoseFormLowUnit 'to'  
DoseFormHigh<sp>DoseFormHighUnit. 'Maximum daily dose is  
'MaxDailyDoseForm<sp>MaxDailyDoseFormUnit.
```

Note:	If Dosing Order Checks are returned without a DoseRouteDescription that means that a FDB MIN/Max dosing record was used to perform the Dosing Order Check. Min/Max dosing records are not specific for a dose route or
	

	dose type.
--	------------

6.2.8.1.13.2 Functional Requirement (RSD 2.6.2.2.2)

If the Dose Route sent into the interface is a 'FDB Continuous Route' the text for the second general dosing information message shall differ. See below:

```
'General dosing range for' DRUG NAME: DoseLow<sp>DoseLowUnit 'to'
DoseHigh<sp>DoseHighUnit. 'Maximum dose rate is 'MaxDailyDose<sp>MaxDailyDoseUnit.
```

Or

```
'General dosing range for' DRUG NAME: DoseFormLow<sp>DoseFormLowUnit 'to'
DoseFormHigh<sp>DoseFormHighUnit. 'Maximum dose rate is
'MaxDailyDoseForm<sp>MaxDailyDoseFormUnit.
```

See Examples below:

```
General dosing range for HEPARIN 25000 UNITS (CONTINUOUS INFUSION): 833 units per
hour
to 1667 units per hour. Maximum dose rate is 1667 units per hour.

General dosing range for HEPARIN 100U/ML IN 5% DEXTROSE 250 ML (CONTINUOUS INFUSION):
8.33 milliliters per hour to 16.67 milliliters per hour. Maximum dose rate is 16.67
milliliters per hour.
```

6.2.8.1.13.3 Functional Requirement (RSD 2.6.2.2.3)

If the FDB DoseLow and FDB DoseHigh values are the same, display the FDB DoseHigh value only.

```
General dosing range for CLOPIDOGREL 75MG TAB (ORAL): 75 milligrams per day. Maximum
daily dose is 75 milligrams per day.
```

6.2.8.1.13.4 Functional Requirement (RSD 2.6.2.2.4)

If the FDB DoseFormLow and FDB DoseFormHigh values are the same, display the FDB DoseFormHigh value only.

```
General dosing range for CLOPIDOGREL 75MG TAB (ORAL): 1 each per day. Maximum daily dose
is 1 each per day.
```

6.2.8.1.14 Functional Requirement (RSD 2.6.2.5)

General dosing information messages shall be displayed when the Max Daily Dose Order Check cannot be performed.

6.2.8.1.15 Functional Requirement (RSD 2.6.2.6)

General dosing information messages shall be displayed when the both Maximum Single Dose Order Check and Max Daily Dose Order Check cannot be performed.

6.2.8.1.16 Functional Requirement (RSD 2.6.2.7)

General dosing information messages shall not be displayed for orders with a dose type of SINGLE DOSE.

6.2.8.1.17 Functional Requirement (RSD 2.6.2.8)

General dosing information messages shall not be displayed with FDB messages that have a severity of 'Not Screened' or 'Warning'.

6.2.8.1.18 Functional Requirement (RSD 2.6.2.9)

If a Maximum Single Dose Order Check warning is generated for any order entered through CPRS that has a schedule that has been excluded from Daily Dose Order Checks, general dosing information messages shall be displayed with the Maximum Single Dose Order Check warning.

6.2.8.1.19 Functional Requirement (RSD 2.6.2.10)

If a Maximum Single Dose Order Check warning is generated for any order entered through pharmacy backdoor options that has a schedule that has been excluded from Daily Dose Order Checks, general dosing information messages shall be displayed with the Maximum Single Dose Order Check warning.

6.2.8.1.20 Functional Requirement (RSD 2.6.2.11)

If a Maximum Single Dose Order Check cannot be performed and an error message is generated for any order entered through CPRS that has a schedule that has been excluded from Daily Dose Order Checks, general dosing information messages shall be displayed with the order level error message.


6.2.8.1.21 Functional Requirement (RSD 2.6.2.12)

If a Maximum Single Dose Order Check cannot be performed and an error message is generated for any order entered through pharmacy backdoor options that has a schedule that has been excluded from Daily Dose Order Checks, general dosing information messages shall be displayed with the order level error message.

6.2.8.1.22 Functional Requirement (RSD 2.6.3.1)

If Dosing Order Checks have been disabled, the system level error message displayed to the pharmacy user through backdoor pharmacy options shall be the following:

Dosing Checks are not available; please complete a manual check for appropriate Dosing.

Note:	Dosing Order Checks are disabled using the <i>Enable/Disable Dosing Order Checks</i> [PSS Dosing Order Checks] option.
	

6.2.8.1.23 Functional Requirement (RSD 2.6.3.5)

If Dosing Order Checks cannot be performed because an unexpected error has occurred, the system level error message displayed to the pharmacy user through backdoor pharmacy options shall be the following:

Dosing Checks could not be performed.
Reason(s): An unexpected error has occurred

6.2.8.1.24 Functional Requirement (RSD 2.6.4.1)

If editing an inpatient unit dose or IV order through pharmacy backdoor options where only Dosing Order Checks are performed and the drug within the order is not matched to NDF, the following drug level error message shall be displayed.

Dosing Checks cannot be performed for Drug: <DRUG NAME>
Reason(s): Drug not matched to NDF

6.2.8.1.25 Functional Requirement (RSD 2.6.4.2)

If editing an inpatient unit dose or IV order through pharmacy backdoor options where only Dosing Order Checks are performed and the drug within the order is matched to a VA Product (VAP) that has no GCNSEQNO, and the EXCLUDE DRG-DRG INTERACTION CK field (#23) in the VA PRODUCT file (#50.68) is set to 'Yes', no drug level error message shall be displayed to the user.

6.2.8.1.26 Functional Requirement (RSD 2.6.4.3)

If editing an inpatient unit dose or IV order through pharmacy backdoor options where only Dosing Order Checks are performed and the drug within the order is matched to a VA Product (VAP) that has no GCNSEQNO, and the EXCLUDE DRG-DRG INTERACTION CK field (#23) in the VA PRODUCT file (#50.68) is set to null or 'No', the following drug level error message shall be displayed to the user without a specific reason.

Dosing Checks cannot be performed for Drug: <DRUG NAME>, please complete a manual check for appropriate Dosing.

6.2.8.1.27 Functional Requirement (RSD 2.6.4.4)

If editing an inpatient unit dose or IV order through pharmacy backdoor options where only Dosing Order Checks are performed and the drug within the order is matched to a VA Product (VAP) that has a bad GCNSEQNO, and the EXCLUDE DRG-DRG INTERACTION CK field (#23) in the VA PRODUCT file (#50.68) is set to 'Yes', no drug level error message shall be displayed to the user.

6.2.8.1.28 Functional Requirement (RSD 2.6.4.5)

If editing an inpatient unit dose or IV order through pharmacy backdoor options where only Dosing Order Checks are performed and the drug within the order is matched to a VA Product (VAP) that has a bad GCNSEQNO, and the EXCLUDE DRG-DRG INTERACTION CK field (#23) in the VA PRODUCT file (#50.68) is set to null or 'No', the following drug level error message shall be displayed to the user without a specific reason.


Dosing Checks cannot be performed for Drug: <DRUG NAME>, please complete a manual check for appropriate Dosing.

6.2.8.1.29 Functional Requirement (RSD 2.6.5.1)

If the patient's age is not available, Dosing Order Checks will not be performed and the user through pharmacy backdoor options shall see the following order level error message:

Age required (Pharmacy)

Dosing Checks could not be performed for Drug: <DRUG NAME>
Reason(s): One or more required patient parameters unavailable: AGE

Note:	General dosing information cannot be provided because age is a required parameter.
	

6.2.8.1.30 Functional Requirement (RSD 2.6.5.3)

If the patient's weight is not available and a weight is required for a Max Daily Dose Order Check to be performed, an order level error message along with general dosing information messages shall be displayed to the user through pharmacy backdoor options.

Weight required (Pharmacy)

Max Daily Dose Check could not be performed for Drug: GENTAMICIN 40MG/ML 2ML INJ
Reason(s): Weight required

General dosing range for GENTAMICIN 40MG/ML 2ML INJ (INTRAMUSCULAR): 1.5 milligrams per kilogram per day to 7 milligrams per kilogram per day. Maximum daily dose is 630 milligrams per day.

6.2.8.1.31 Functional Requirement (RSD 2.6.5.4)

If both the Maximum Single Dose Order Check and the Max Daily Dose Order Check cannot be performed because a weight is required and the patient's weight is not available, only one error message along with general dosing information messages shall be displayed to the user.

Weight Required (Pharmacy)

Dosing Checks could not be performed for Drug: GENTAMICIN 40MG/ML 2ML INJ
Reason(s): Weight required

General dosing range for GENTAMICIN 40MG/ML 2ML INJ (INTRAMUSCULAR): 1.5 milligrams per kilogram per day to 7 milligrams per kilogram per day. Maximum daily dose is 630 milligrams per day.

6.2.8.1.32 Functional Requirement (RSD 2.6.5.8)

If the patient's Body Surface Area (BSA) is not available because a height and/or weight was not available to perform the calculation and a BSA is required for a Max Daily Dose Order Check to be performed, an order level error message along with general dosing information messages shall be displayed to the user through pharmacy backdoor options.

BSA required (Pharmacy)

Max Daily Dose Check could not be performed for Drug: LOMUSTINE 100MG CAP
Reason(s): Body surface area required

General dosing range for LOMUSTINE 100MG CAP (ORAL): 100 milligrams per meter squared per day to 130 milligrams per meter squared per day. Maximum daily dose is 261.780 milligrams per day.

6.2.8.1.33 Functional Requirement (RSD 2.6.5.9)

If both the Maximum Single Dose Order Check and the Max Daily Dose Order Check cannot be performed because a BSA is required and the patient's weight and/or height is not available, only one error message along with general dosing information messages shall be displayed to the user.

BSA required (Pharmacy)

Dosing Checks could not be performed for Drug: <Drug Name>
Reason(s): Body surface area required

General dosing range for LOMUSTINE 100MG CAP (ORAL): 100 milligrams per meter squared per day to 130 milligrams per meter squared per day. Maximum daily dose is 261.780 milligrams per day.

General dosing range for LOMUSTINE 100MG CAP (ORAL): 100 milligrams per meter squared per day to 130 milligrams per meter squared per day. Maximum daily dose is 261.780 milligrams per day.


6.2.8.1.34 Functional Requirement (RSD 2.6.5.13)

If Dosing Order Checks cannot be performed because a FDB Dose Route cannot be determined, an order level error message shall be displayed to the user through pharmacy backdoor options.

FDB Dose Route Undefined (Pharmacy)

Dosing Checks could not be performed for Drug: GABAPENTIN 600MG TAB

Reason(s): Invalid or Undefined Dose Route

Note:	General dosing information cannot be provided if the medication route is not defined.
	

6.2.8.1.35 Functional Requirement (RSD 2.6.5.15)

If a Max Daily Dose Order Check cannot be performed because the frequency for the order is invalid or undefined, an order level error message along with general dosing information messages shall be displayed to the user through pharmacy backdoor options.

Frequency Invalid or undefined (Pharmacy)

Max Daily Dose Check could not be performed for Drug: GABAPENTIN 600MG TAB
Reason(s): Invalid or Undefined Frequency

General dosing range for GABAPENTIN 600MG TAB (ORAL): 300 milligrams per day to 1800 milligrams per day. Maximum daily dose is 1800 milligrams per day.

6.2.8.1.36 Functional Requirement (RSD 2.6.5.18)

No messages referencing the Max Daily Dose Order Check returned from the Dosing Order Check using ‘dummy data’ to obtain general dosing information for a drug when a frequency could not be determined shall be displayed to the user.

6.2.8.1.37 Functional Requirement (RSD 2.6.5.20)

No messages referencing the Max Daily Dose Order Check returned from the Dosing Order Check using ‘dummy data’ for an IV Additive or IV Solution marked as a PreMix to obtain general dosing information for a drug when a frequency could not be determined shall be displayed to the user.

6.2.8.1.38 Functional Requirement (RSD 2.6.5.21)

If the frequency calculated from an order’s schedule is greater than the order duration (i.e. Q4H for 2 hours), a Max Daily Dose Order Check shall not be performed, and an order level error message along with general dosing information messages shall be displayed to the user through pharmacy backdoor options.

Frequency greater than order duration (Pharmacy)

Max Daily Dose Check could not be performed for Drug: GABAPENTIN 600MG TAB
Reason(s): Frequency greater than order duration

General dosing range for GABAPENTIN 600MG TAB (ORAL): 300 milligrams per day to 1800 milligrams per day. Maximum daily dose is 1800 milligrams per day.

6.2.8.1.39 Functional Requirement (RSD 2.6.5.23)

If Dosing Order Checks cannot be performed because the single dose amount cannot be determined, and order level error message along with general dosing information messages shall be displayed to the user through pharmacy backdoor options.

Single Dose Amount cannot be determined for Unit Dose order (Pharmacy)

Dosing Checks could not be performed for Drug: GABAPENTIN 600MG TAB
Reason(s): Free Text Dosage could not be evaluated.

General dosing range for GABAPENTIN 600MG TAB (ORAL): 300 milligrams per day to 1800 milligrams per day. Maximum daily dose is 1800 milligrams per day.

Single Dose Amount cannot be determined for IV Solution marked as PreMix (Pharmacy)

Dosing Checks could not be performed for Drug: HEPARIN 25000 UNITS/0.45% NACL 250 ML
Reason(s): Free Text Dosage could not be evaluated.

General dosing range for HEPARIN 25000 UNITS (CONTINUOUS INFUSION): 833 units per hour to 1650 units per hour. Maximum dose rate is 1650 units per hour.

Single Dose Amount cannot be determined for IV Additive (Pharmacy)

Dosing Checks could not be performed for Drug: POTASSIUM CHLORIDE 30MEQ
Reason(s): Free Text Dosage could not be evaluated.

General dosing range for POTASSIUM CHLORIDE 30 MEQ (INTRAVENOUS): 1 milliequivalent per day to 100 milliequivalents per day. Maximum daily dose is 100 milliequivalents per day.

6.2.8.1.40 Functional Requirement (RSD 2.6.5.25)

If Dosing Order Checks cannot be performed because the Dose Unit cannot be determined, an order level error message along with general dosing information messages shall be displayed to the user through pharmacy backdoor options.

Dose Units cannot be determined – Unit Dose Order (Pharmacy)

Dosing Checks could not be performed for Drug: GABAPENTIN 600MG TAB
Reason(s): Free Text Dosage could not be evaluated.

General dosing range for GABAPENTIN 600MG TAB (ORAL): 300 milligrams per day to 1800 milligrams per day. Maximum daily dose is 1800 milligrams per day.

Dose Units cannot be determined – IV Solution marked as a PreMix (Pharmacy)

Dosing Checks could not be performed for Drug: HEPARIN 25000 UNITS/0.45% NACL 250 ML
Reason(s): Free Text Dosage could not be evaluated.

General dosing range for HEPARIN 25000 UNITS/0.45% NACL 250 ML (CONTINUOUS INFUSION): 833 units per hour to 1650 units per hour. Maximum dose rate is 1650 units per hour.

Dose Units cannot be determined – IV Additive (Pharmacy)

Dosing Checks could not be performed for Drug: POTASSIUM CHLORIDE 30MEQ
Reason(s): Free Text Dosage could not be evaluated.

General dosing range for POTASSIUM CHLORIDE 30 MEQ (INTRAVENOUS): 1 milliequivalent per day to 100 milliequivalents per day. Maximum daily dose is 100 milliequivalents per day.

6.2.8.1.41 Functional Requirement (RSD 2.6.5.27)

If Dosing Order Checks cannot be performed because a local possible dosage (LPD) defined for a dispense drug is selected for an order which does not have a numeric dose and dose unit defined, and for which a numeric dose and dose unit cannot be derived using the free text logic, an order level error message along with general dosing information messages shall be displayed to the user through pharmacy backdoor options.

Single Dose Amount & Dose Unit cannot be derived from LPD (Pharmacy)

Dosing Checks could not be performed for Drug: GABAPENTIN 600MG TAB
Reason(s): Free Text Dosage could not be evaluated.

General dosing range for GABAPENTIN 600MG TAB (ORAL): 300 milligrams per day to 1800 milligrams per day. Maximum daily dose is 1800 milligrams per day.

6.2.8.1.42 Functional Requirement (RSD 2.6.5.30)

If Dosing Order Checks cannot be performed when a free text infusion rate is entered that cannot be interpreted by the software and the infusion rate is needed to calculate the single dose amount

and dose unit, an error message along with general dosing information messages shall be displayed to the user through backdoor pharmacy options.

Single Dose Amount and Dose Unit cannot be determined from free text infusion rate (Pharmacy)

```
Dosing Checks could not be performed for Drug: HEPARIN 25000 UNITS/0.45% NACL 250 ML
Reason(s): Free Text Infusion Rate could not be evaluated

General dosing range for HEPARIN 25000 UNITS/0.45% NACL 250 ML (CONTINUOUS INFUSION):
833 units per hour to 1650 units per hour. Maximum dose rate is 1650 units per hour.
```

6.2.8.1.43 Functional Requirement (RSD 2.6.5.35)

FDB messages with a severity of 'Not Screened' shall be treated as order level error messages and displayed to the user through the pharmacy backdoor.

FDB messages with severity of 'Not Screened' (Pharmacy)

```
Dosing Order Check could not be performed for Drug: <DRUG NAME>
Reason(s): FDB dosing information is not available for this drug.
```

6.2.8.1.44 Functional Requirement (RSD 2.6.5.37)

FDB messages with a severity of 'Warning' shall be treated as order level error messages and displayed to the user through the pharmacy backdoor.

FDB messages with severity of 'Warning' (Pharmacy)

```
Dosing Order Check Warning for <DRUG NAME>:
Dosing is not established for a patient of this age.
```

6.2.8.1.45 Functional Requirement (RSD 2.6.5.39)

A 'Press Return to Continue' shall be inserted so that the Dosing Order Check warnings, order level error messages, and general dosing information messages do not scroll off the screen during user review.

6.2.8.1.46 Functional Requirement (RSD 2.6.9.4)

No message shall be displayed to the user informing them that the Max Daily Dose Order Check will not be performed.

6.2.8.1.47 Functional Requirement (RSD 2.6.9.6)

Only a Maximum Single Dose Order Check shall be performed for a medication order processed through pharmacy backdoor options with a schedule that has been excluded from a Daily Dose Order Check.

6.2.8.1.47.1 Functional Requirement (RSD 2.6.9.6.1)

If the Maximum Single Dose Order Check fails, general dosing information messages shall be displayed along with the warning message. See below:

Maximum Single Dose Order Check Fails (exceeds recommended dose):

```
HALOPERIDOL 10MG TAB: Single dose amount of 60 MILLIGRAMS exceeds the maximum single
dose amount of 33.34 MILLIGRAMS.

General dosing range for HALOPERIDOL 10MG TAB (ORAL): 1 milligram per day to 100
milligrams per day. Maximum daily dose is 100 milligrams per day.
```

6.2.8.1.47.2 Functional Requirement (RSD 2.6.9.6.2)

If the Maximum Single Dose Order Check results in an error, general dosing information messages shall be displayed along with the error message. See below:

Maximum Single Dose Order Check error occurs:

Maximum Single Dose Check could not be performed for Drug: GENTAMICIN 40MG/ML 2ML INJ
Reason(s): Weight required

General dosing range for GENTAMICIN 40MG/ML 2ML INJ (INTRAMUSCULAR): 1.5 milligrams per kilogram per day to 7 milligrams per kilogram per day. Maximum daily dose is 630 milligrams per day.

6.2.8.1.48 Functional Requirement (RSD 2.6.10.5)

If a high dose warning is displayed after Dosing Order Checks are performed when an order is processed through pharmacy backdoor options, it shall be prefaced with additional text if the medication route within the order is mapped to a standard medication route of 'NASAL' or 'OPHTHALMIC' or 'OTIC'.

6.2.8.1.48.1 Functional Requirement (RSD 2.6.10.5.1)

If the medication route within the order is mapped to a standard medication route of 'NASAL', the following text shall display before the high dose warning: 'Dosing Information provided is PER NOSTRIL:'

6.2.8.1.48.2 Functional Requirement (RSD 2.6.10.5.2)

If the medication route within the order is mapped to a standard medication route of 'OPHTHALMIC', the following text shall display before the high dose warning: 'Dosing Information provided is PER EYE:'

6.2.8.1.48.3 Functional Requirement (RSD 2.6.10.5.3)

If the medication route within the order is mapped to a standard medication route of 'OTIC', the following text shall display before the high dose warning: 'Dosing Information provided is PER EAR:'

6.2.8.1.49 Functional Requirement (RSD 2.6.10.6)

If general dosing information is displayed after Dosing Order Checks are performed when an order is processed through pharmacy backdoor options, it shall be prefaced with additional text if the medication route within the order is mapped to a standard medication route of 'NASAL' or 'OPHTHALMIC' or 'OTIC'.

6.2.8.1.49.1 Functional Requirement (RSD 2.6.10.6.1)

If the medication route within the order is mapped to a standard medication route of 'NASAL', the following text shall display before general dosing information messages: 'Dosing Information provided is PER NOSTRIL:'

6.2.8.1.49.2 Functional Requirement (RSD 2.6.10.6.2)

If the medication route within the order is mapped to a standard medication route of 'OPHTHALMIC', the following text shall display before the general dosing information message: 'Dosing Information provided is PER EYE:'

6.2.8.1.49.3 Functional Requirement (RSD 2.6.10.6.3)

If the medication route within the order is mapped to a standard medication route of 'OTIC', the following text shall display before the general dosing information message: 'Dosing Information provided is PER EAR:'

6.2.8.1.50 Functional Requirement (RSD 2.6.10.7)

If more than one high dose warning or a high dose warning and general dosing information messages are displayed after Dosing Order Checks are performed when a simple order is processed through pharmacy backdoor options whose medication route is mapped to a standard medication route of 'NASAL' or 'OPHTHALMIC' or 'OTIC', the additional text shall be displayed first and only once.

6.2.8.1.50.1 Functional Requirement (RSD 2.6.10.7.1)

The additional text shall only be repeated if the high dose warnings and/or general dosing information messages are displayed on more than one page.

6.2.8.1.51 Functional Requirement (RSD 2.6.11)

If the Max Daily Dose Order Check cannot be performed and the reason that is returned by FDB is 'Maximum daily dose check could not be done since frequency check failed', the PDM application shall perform the Max Daily Dose Order Check and return the results to the Inpatient Medications application.

6.2.8.1.51.1 Functional Requirement (RSD 2.6.11.2.1)

A customized frequency message shall be displayed to the pharmacy user if the daily dose calculated by the PDM application passes the Max Daily Dose Order Check.

Please see the M2-1_PDM_RSD_v2, section 2.6.20 (Customized Frequency Message) for details on the customized frequency message. See examples that follow:

Recommended frequency of METFORMIN 500MG TAB is 1 to 3 times per day

Or

Recommended frequency of NITROGLYCERIN PATCHES 0.1MG/HR is 1 time(s) per day.

Or

Recommended frequency of EPOETIN ALFA, RECOMB 10,000UNIT/ML INJ is every 2 day(s) to 7 days.

Or

Recommended frequency of RISPERIDONE 25MG/VI SUSP SA INJ is every 14 days.

6.2.8.1.51.2 Functional Requirement (RSD 2.6.11.2.2)

If the daily dose calculated by the PDM application fails the Max Daily Dose Order Check, a Max Daily Dose Order Check warning message with a customized frequency message shall be displayed to the pharmacy user.

Please see the M2-1_PDM_RSD_v2, section 2.6.22 (Display of Max Daily Warning when Daily Dose Calculated) for details on the Max Daily Dose warning message when the Max Daily Dose Order Check is performed by the PDM application. See examples that follow:

ENOXAPARIN 40MG/0.4ML INJ: Total dose amount of 500 MILLIGRAMS/DAY exceeds the maximum daily dose amount of 204.55 MILLIGRAMS/DAY.

Recommended administration of ENOXAPARIN 40MG/0.4ML INJ is 1 to 2 times per day.

6.2.8.1.51.3 Functional Requirement (RSD 2.6.11.2.3)

If the daily dose could not be calculated by the PDM application, an error message, general dosing information messages, and customized frequency message shall be displayed to the pharmacy user.

Max Daily Dose Check could not be performed for Drug: ENOXAPARIN 40MG/0.4ML INJ
Reason(s): Maximum daily dose check could not be done since frequency check failed.

Recommended administration of ENOXAPARIN 40MG/0.4ML INJ is 1 to 2 times per day.

General dosing range for ENOXAPARIN 40MG/0.4ML INJ (SUBCUTANEOUS): 40 milligram per day to 3 milligram per kilogram per day

6.2.8.1.52 Functional Requirement (RSD 2.6.3.2)


If Dosing Order Checks cannot be performed because the vendor database cannot be reached, the system level error message displayed to the Pharmacy user through backdoor Pharmacy options shall be the following:

Dosing Checks could not be performed.
Reason(s): Vendor Database cannot be reached

6.2.8.1.53 Functional Requirement (RSD 2.6.3.3)

If Dosing Order Checks cannot be performed because the vendor database has been disabled, the system level error message displayed to the Pharmacy user through backdoor Pharmacy options shall be the following:

Dosing Checks could not be performed.
Reason(s): The connection to the vendor database has been disabled.

Note:	Vendor database is disabled using the <i>Enable/Disable Vendor Database Link</i> [PSS ENABLE/DISABLE DB LINK] option.
	

6.2.8.1.54 Functional Requirement (RSD 2.6.3.4)

If Dosing Order Checks cannot be performed because vendor database updates are being processed, the system level error message displayed to the pharmacy user through backdoor pharmacy options shall be the following:

Dosing Checks could not be performed.
Reason(s): Vendor database updates are being processed.

6.2.8.1.55 Functional Requirement (RSD 2.6.6.4)

The duration rate shall be set to the dose rate value for all inpatient medication orders.

6.2.8.1.56 Functional Requirement (RSD 2.6.10.8)

Processing through Inpatient Medications backdoor options shall apply to the following actions:

- Entering a new Unit Dose medication order
- Finishing a pending Unit Dose medication order
- Renewing an Unit Dose order
- Creating a new Unit Dose order when editing the orderable item (to a new orderable item) through pharmacy options
- Copying a Unit Dose order
- Verifying a Unit Dose Order
- Entering a new Unit Dose medication order through pharmacy options using order sets

- Editing the following for a Unit Dose order:
 - Dosage Ordered
 - Units per Dose (for Dispense Drug)
 - Med Route
 - Schedule
 - Start Date/Time*
 - Stop Date/Time*

* When editing active Unit Dose orders, Dosing Order Checks will be done after the changes are accepted; Enhanced Order Checks at verification. For non-verified Unit Dose orders, Dosing Order Checks and Enhanced Order Checks will be done at verification.

Display examples follow below:

Maximum Single Dose Order Check generates high dose warning for standard med route of ‘NASAL’ (CPRS and Pharmacy)

```
Dosing Information provided is PER NOSTRIL:
Cromolyn 5.2 mg/Actuation (4 %) Nasal Spray: Single dose form amount of 5 SPRAY(S)
exceeds the maximum single dose form amount of 2 SPRAY(S).
```

Max Daily Dose Order Check generates high dose warning for standard med route of ‘OPHTHALMIC’ (CPRS and Pharmacy)

```
Dosing Information provided is PER EYE:
BETAXOLOL 0.5% EYE DROPS 10ML: Total dose form amount of 6 DROP(S)/DAY exceeds the
maximum daily dose form amount of 4 DROP(S)/DAY.
```

Maximum Single Dose Order Check warning + Max Daily Dose Order Check warning for standard med route of ‘NASAL’ (CPRS and Pharmacy)

```
Dosing Information provided is PER NOSTRIL:
CROMOLYN 40MG/ML (4%) NASAL SPRAY 26ML: Single dose form amount of 5 SPRAY(S) exceeds
the maximum single dose form amount of 1 SPRAY(S).
CROMOLYN 40MG/ML (4%) NASAL SPRAY 26ML: Total dose form amount of 10 SPRAY(S)/DAY
exceeds the maximum daily dose form amount of 6 SPRAY(S)/DAY.
```

Max Daily Dose Order Check cannot be done; General Dosing Information message displayed; standard med route of ‘OTIC’ (CPRS)

```
Max Daily Dose Check could not be done for Drug: ciprofloxacin 0.2 % Ear Dropperette,
please complete a manual check for appropriate Dosing.
Dosing Information provided is PER EAR:
General dosing range for Ciprofloxacin 0.2 % Ear Dropperette (OTIC): 0.5 milliliters
per day. Maximum daily dose is 0.5 milliliters per day.
```

Both Dosing Order Checks could not be done; General Dosing Information message displayed for med route of ‘OTIC’ (Pharmacy)

```
Dosing Checks could not be performed for Drug: CIPROFLOXACIN 0.2 % EAR DROPPERETTE
Reason(s): Free Text Dosage could not be evaluated.
Dosing Information provided is PER EAR:
General dosing range for ciprofloxacin 0.2 % Ear Dropperette (OTIC): 0.5 milliliters
per day. Maximum daily dose is 0.5 milliliter per day.
```

Maximum Single Dose Order Check and Max Daily Dose Order Check Warnings displayed on separate pages for standard med route of ‘NASAL’ (Pharmacy)

```
Dosing Information provided is PER NOSTRIL:
Cromolyn 5.2 mg/Actuation (4 %) Nasal Spray: Single dose form amount of 5 SPRAY(S)
exceeds the maximum single dose form amount of 2 SPRAY(S).
< Page 1 >
Press Return to continue...:
Dosing Information provided is PER NOSTRIL:
```

6.2.8.1.57 Functional Requirement (RSD 2.6.6.1)

For inpatient medication (IV & Unit Dose) orders the duration shall always be equal to '1' unless otherwise specified.

6.2.8.1.58 Functional Requirement (RSD 2.6.6.2)

If the dose type for the order is determined to be 'Single Dose', a duration of '1' shall be sent to the interface.

6.2.8.1.59 Functional Requirement (RSD 2.6.9.4)

No Max Daily Dose Order Check shall be performed for a simple medication order (IV and Unit Dose) processed through the pharmacy backdoor with a schedule that has been excluded from the Daily Dose Order Check.

6.2.8.1.60 Functional Requirement (RSD 2.6.9.7)

Schedule exclusions shall be applied to the following Inpatient Medication (IV and Unit Dose) order entry processes:

- Entering a new IV or Unit Dose medication order
- Finishing a pending IV or Unit Dose medication order
- Renewing an IV or Unit Dose order
- Copying an IV or Unit Dose medication order, thereby creating a new order
- Verifying an IV or Unit Dose order
- Creating a new Unit Dose order when editing the orderable item (to a new orderable item) through pharmacy options
- When editing the IV additive fields (changing existing additive or adding new additive) for an IV order through pharmacy options
- When editing the IV solution fields (changing existing solution or adding a new solution) for an IV order through pharmacy options. This applies only to IV solutions marked as a PREMIX.
- Entering a new Unit Dose medication order through pharmacy options using order sets
- Editing the following for a Unit Dose order:
 - Dosage Ordered
 - Units per Dose (for Dispense Drug)
 - Med Route
 - Schedule
 - Start Date/Time*
 - Stop Date/Time*
- Editing the following for an IV order:
 - Infusion rate (only applies to IV types of 'Admixture', 'Hyperal', 'Chemotherapy Admixture', 'Continuous Syringe' or 'Chemotherapy Continuous Syringe')

- Schedule (only applies to IV types of 'Piggyback', 'Intermittent Syringe', 'Chemotherapy Piggyback', or 'Chemotherapy Intermittent Syringe')
- Med Route
- Volume (does not apply to orders with IV types of 'Piggyback', 'Intermittent Syringe', 'Chemotherapy Piggyback', or 'Chemotherapy Intermittent Syringe' with IV Solution not marked as PreMix)
- Start date/time*
- Stop date/time*

* When editing active Unit Dose and IV orders, Dosing Order Checks will be done after the changes are accepted; Enhanced Order Checks at verification. For non-verified Unit Dose and IV orders, Dosing Order Checks and Enhanced Order Checks will be done at verification.

6.2.8.1.61 Functional Requirement (RSD 2.6.5.32)

In order to obtain general dosing information for a dispense drug associated with an IV Additive or IV Solution that is marked as a PreMix for which a free text infusion rate could not be evaluated, the following 'dummy data' shall be sent into the interface for an IV order with a continuous route and dose type of either 'Maintenance' or 'Single Dose'.

6.2.8.1.61.1 Functional Requirement (RSD 2.6.5.32.1)

If an IV order contains only one IV solution and it is marked as a PreMix,

- the single dose amount shall be set to the volume
- the dose unit shall be set to the FDB equivalent of 'ML'

6.2.8.1.61.2 Functional Requirement (RSD 2.6.5.32.2)

If an IV order contains one IV Additive and one IV solution not marked as a PreMix,

- the single dose amount shall be set to the IV Additive strength
- the dose unit shall be set to the FDB equivalent of the IV Additive unit

6.2.8.1.61.3 Functional Requirement (RSD 2.6.5.32.3)

The duration rate shall be set to the dose rate value (as determined by the order).

6.2.8.1.61.4 Functional Requirement (RSD 2.6.5.32.4)

The value of '1' shall be sent into the interface for frequency and duration.

6.2.8.1.61.5 Functional Requirement (RSD 2.6.5.32.5)

If the dose type for the IV order is 'Single Dose', general dosing information messages shall not be returned.

6.2.8.1.62 Functional Requirement (RSD 2.6.8.1)

For continuous type IV orders that do not have a drug that is administered via a 'CONTINUOUS' FDB route and the frequency is less than one (i.e. IV bag is 12 hours based on volume, but duration limit is 10 hours), the single dose shall be adjusted and the frequency sent into the interface shall be '1'.

6.2.8.1.63 Functional Requirement (RSD 2.6.8.2)

If a Max Daily Dose Order Check warning is generated, a note preceding the warning shall be displayed stating how much IV fluid volume was infused over the duration of the order. See example below.

IV Order: Thiamine 1000mg in 0.9% Sodium Chloride 1000ml IV to infuse 100ml/hr. One bag will infuse over 10 hours. The duration of the order is 5 hours. The message displayed to the user preceding the warning(s) is shown below.

Both Maximum Single Dose and Max Daily Dose warnings generated

PLEASE NOTE: The single dose of the IV Additive has been adjusted to reflect the amount of drug infused over the duration of the order or 24 hours; whichever is less (500 ML over 5 hours).

THIAMINE 1000 MG: Single dose amount of 500 MILLIGRAMS exceeds the maximum single dose amount of 100 MILLIGRAMS.

THIAMINE 1000 MG: Total dose amount of 500 MILLIGRAMS/DAY exceeds the maximum daily dose amount of 300 MILLIGRAMS/DAY.

Only Max Daily Dose warning generated

PLEASE NOTE: The single dose of the IV Additive has been adjusted to reflect the amount of drug infused over the duration of the order or 24 hours; whichever is less (500 ML over 5 hours).

THIAMINE 1000 MG: Total dose amount of 500 MILLIGRAMS/DAY exceeds the maximum daily dose amount of 300 MILLIGRAMS/DAY.

6.2.8.1.63.1 Functional Requirement (RSD 2.6.8.2.1)

If executing Dosing Order Checks for an IV order via backdoor pharmacy options that meets the following criteria, the software shall adjust the single dose amount of the IV Additive for 24 hours and set the frequency to '1':

- Has IV type of 'Admixture', 'Hyperal', 'Chemotherapy Admixture', 'Continuous Syringe', or 'Chemotherapy Continuous Syringe'
- The IV Additive is NOT administered via a 'CONTINUOUS' FDB Dose Route
- Frequency of order has been determined to be greater than 24 hours

6.2.8.1.63.2 Functional Requirement (RSD 2.6.8.2.2)

If a Max Daily Dose Order Check warning is generated, a note preceding the warning shall be displayed stating how much IV fluid volume was infused over 24 hours. See example below.

IV Order: Thiamine 1000mg in 0.9% Sodium Chloride 1000ml IV to infuse 25ml/hr. One bag will infuse over 40 hours. The message displayed to the user preceding the warning(s) is shown below.

Both Maximum Single Dose and Max Daily Dose warnings generated

PLEASE NOTE: The single dose of the IV Additive has been adjusted to reflect the amount of drug infused over the duration of the order or 24 hours; whichever is less (600 ML over 24 hours).

THIAMINE 1000 MG: Single dose amount of 600 MILLIGRAMS exceeds the maximum single dose amount of 100 MILLIGRAMS.

THIAMINE 1000 MG: Total dose amount of 600 MILLIGRAMS/DAY exceeds the maximum daily

dose amount of 300 MILLIGRAMS/DAY.

Only Max Daily Dose warning generated

PLEASE NOTE: The single dose of the IV Additive has been adjusted to reflect the amount of drug infused over the duration of the order or 24 hours; whichever is less (600 ML over 24 hours).

THIAMINE 1000 MG: Total dose amount of 600 MILLIGRAMS/DAY exceeds the maximum daily dose amount of 300 MILLIGRAMS/DAY.

6.2.8.1.64 Functional Requirement (RSD 2.6.8.3)

If a Max Daily Dose Order Check warning is generated, a note preceding the warning shall be displayed stating how much IV fluid volume was infused over 24 hours. See example below.

IV Order: Thiamine 1000mg in 0.9% Sodium Chloride 1000ml IV to infuse 25ml/hr. One bag will infuse over 40 hours. The message shown to the user preceding the warning(s) is shown below.

Both Maximum Single Dose and Max Daily Dose warnings generated

PLEASE NOTE: The single dose of the IV Additive has been adjusted to reflect the amount of drug infused over the duration of the order or 24 hours; whichever is less (600 ML over 24 hours).

THIAMINE 1000 MG: Single dose amount of 600 MILLIGRAMS exceeds the maximum single dose amount of 100 MILLIGRAMS.

THIAMINE 1000 MG: Total dose amount of 600 MILLIGRAMS/DAY exceeds the maximum daily dose amount of 300 MILLIGRAMS/DAY.

Only Max Daily Dose warning generated

PLEASE NOTE: The single dose of the IV Additive has been adjusted to reflect the amount of drug infused over the duration of the order or 24 hours; whichever is less (600 ML over 24 hours).

THIAMINE 1000 MG: Total dose amount of 600 MILLIGRAMS/DAY exceeds the maximum daily dose amount of 300 MILLIGRAMS/DAY.

6.2.8.1.65 Functional Requirement (RSD 2.6.8.4)


If executing Dosing Order Checks for an IV order via backdoor pharmacy options that meets the following criteria, the software shall adjust the single dose amount of the IV Additive using the formula 'Adjusted Single Dose Amount (SDA) = (SDA/Volume of IV Solution) * Infusion Rate (ml/hr) * Frequency value[#]':

- Has IV type of 'Admixture', 'Hyperal', 'Chemotherapy Admixture', 'Continuous Syringe', or 'Chemotherapy Continuous Syringe'
- The IV Additive is NOT administered via a 'CONTINUOUS' FDB Dose Route
- IV Solution Volume/Infusion Rate does not result in a whole number
- Additive is to be administered in all bags
- Order duration is greater or equal to 24 hours

[#] Please see additional requirements below to determine what frequency value should be used.

6.2.8.1.65.1 Functional Requirement 1 (RSD 2.6.8.4.1)

If the rounded frequency value of the order is less than 24, the rounded frequency value shall be used in the calculation.

Note:	The frequency is calculated by dividing the IV Solution volume by the infusion rate.
	

6.2.8.1.65.2 Functional Requirement (RSD 2.6.8.4.2)

If the rounded frequency value of the order is equal to or greater than 24, the frequency value of '24' shall be used in the calculation.

6.2.8.1.65.3 Functional Requirement (RSD 2.6.8.4.3)

If a Max Daily Dose Order Check warning is generated, a message preceding the warning shall be displayed stating how much IV fluid volume was infused over the duration of the order. See examples below.

Rounded Frequency less than 24

IV Order: Thiamine 1000mg in 0.9% Sodium Chloride 1000ml IV to infuse 62ml/hr. One bag will infuse over 16.12 hours. The 16.12 is rounded to 16. The frequency sent into the interface is 'Q16H'. The message shown to the user preceding the warning(s) is shown below.

Both Maximum Single Dose and Max Daily Dose warnings generated

PLEASE NOTE: The single dose of the IV Additive has been adjusted to reflect the amount of drug infused over the nearest whole number of hours (992 ML over 16 hours).

THIAMINE 1000 MG: Single dose amount of 992 MILLIGRAMS exceeds the maximum single dose amount of 100 MILLIGRAMS.

THIAMINE 1000 MG: Total dose amount of 1488 MILLIGRAMS/DAY exceeds the maximum daily dose amount of 300 MILLIGRAMS/DAY.

Only Max Daily Dose warning generated

PLEASE NOTE: The single dose of the IV Additive has been adjusted to reflect the amount of drug infused over the nearest whole number of hours (992 ML over 16 hours).

THIAMINE 1000 MG: Total dose amount of 1488 MILLIGRAMS/DAY exceeds the maximum daily dose amount of 300 MILLIGRAMS/DAY.

Rounded Frequency greater than 24

IV Order: Thiamine 1000mg in 0.9% Sodium Chloride 1000ml IV to infuse 30ml/hr. One bag will infuse over 33.33 hours. The 33.33 is rounded to 33. The frequency sent into the interface is '1'. The message shown to the user preceding warning(s) is shown below.

Both Maximum Single Dose and Max Daily Dose warnings generated

PLEASE NOTE: The single dose of the IV Additive has been adjusted to reflect the amount of drug infused over the nearest whole number of hours (720 ML over 24 hours).

THIAMINE 1000 MG: Single dose amount of 720 MILLIGRAMS exceeds the maximum single dose amount of 100 MILLIGRAMS.

THIAMINE 1000 MG: Total dose amount of 720 MILLIGRAMS/DAY exceeds the maximum daily dose amount of 300 MILLIGRAMS/DAY.

Only Max Daily Dose warning generated

PLEASE NOTE: The single dose of the IV Additive has been adjusted to reflect the amount of drug infused over the nearest whole number of hours (720 ML over 24 hours).

THIAMINE 1000 MG: Total dose amount of 720 MILLIGRAMS/DAY exceeds the maximum daily dose amount of 300 MILLIGRAMS/DAY.

6.2.8.1.66 Functional Requirement (RSD 2.6.8.6)

If executing Dosing Order Checks for an IV order via backdoor pharmacy options that meets the following criteria, the software shall adjust the single dose amount of the IV Additive using the formula, 'Adjusted Single Dose Amount (SDA) = (SDA/Volume of IV Solution) * Infusion Rate (ml/hr) * Duration of order (in hours)':

- Has IV type of 'Admixture', 'Hyperal', 'Chemotherapy Admixture', 'Continuous Syringe', or 'Chemotherapy Continuous Syringe'
- The IV Additive is NOT administered via a 'CONTINUOUS' FDB Dose Route
- Additive is to be administered in all bags
- Order duration is less than 24 hours
- Volume of solution (equivalent to '1' bag dispensed) will not finish infusing over order duration

6.2.8.1.66.1 Functional Requirement (RSD 2.6.8.6.1)

If a Max Daily Dose warning is generated, a note preceding the warning shall be displayed stating how much IV fluid volume was infused over the duration of the order.

IV Order: Folic Acid 500mg in 0.9% Sodium Chloride 500ml IV to infuse 50ml/hr. One bag will infuse over 10 hours. The duration of the order is 3 hours.

$500\text{mg}/500\text{ml} * 50\text{ml/hr} * 3 \text{ hours} = 150\text{mg}$ (Adjusted SDA)

Both Maximum Single Dose and Max Daily Dose warnings generated

PLEASE NOTE: The single dose of the IV Additive has been adjusted to reflect the amount of drug infused over the duration of the order or 24 hours; whichever is less (150 ML over 3 hours).

FOLIC ACID 500 MG: Single dose amount of 150 MILLIGRAMS exceeds the maximum single dose amount of 1 MILLIGRAMS.

FOLIC ACID 500 MG: Total dose amount of 150 MILLIGRAMS/DAY exceeds the maximum daily dose amount of 1 MILLIGRAMS/DAY.

Only Max Daily Dose warning generated

PLEASE NOTE: The single dose of the IV Additive has been adjusted to reflect the amount of drug infused over the duration of the order or 24 hours; whichever is less (150 ML over 3 hours).

FOLIC ACID 500 MG: Total dose amount of 150 MILLIGRAMS/DAY exceeds the maximum daily dose amount of 1 MILLIGRAMS/DAY.

6.2.8.1.67 Functional Requirement (RSD 2.6.8.8)

If a Max Daily Dose warning is generated, a note preceding the warning shall be displayed stating how much IV fluid was infused over the duration of the order. See example below.

IV Order: Folic Acid 500mg in 0.9% Sodium Chloride 500ml IV to infuse 50ml/hr. One bag will infuse over 10 hours. The duration of the order is 3 hours.

$500\text{mg}/500\text{ml} * 50\text{ml/hr} * 3 \text{ hours} = 150\text{mg}$ (Adjusted SDA)

Both Maximum Single Dose and Max Daily Dose warnings generated

PLEASE NOTE: The single dose of the IV Additive has been adjusted to reflect the amount of drug infused over the duration of the order or 24 hours; whichever is less (150 ML over 3 hours).

FOLIC ACID 500 MG: Single dose amount of 150 MILLIGRAMS exceeds the maximum single dose amount of 1 MILLIGRAMS.

FOLIC ACID 500 MG: Total dose amount of 150 MILLIGRAMS/DAY exceeds the maximum daily dose amount of 1 MILLIGRAMS/DAY.

Only Max Daily Dose warning generated

PLEASE NOTE: The single dose of the IV Additive has been adjusted to reflect the amount of drug infused over the duration of the order or 24 hours; whichever is less (150 ML over 3 hours).

FOLIC ACID 500 MG: Total dose amount of 150 MILLIGRAMS/DAY exceeds the maximum daily dose amount of 1 MILLIGRAMS/DAY.

6.2.8.1.68 Functional Requirement (RSD 2.6.8.9)

If executing dosage checks for an IV order via pharmacy backdoor options that meets the following criteria, the software shall adjust the single dose amount of the IV Additive using the formula 'Adjusted Single Dose Amount (SDA) = (SDA/Volume of IV Solution) * Infusion Rate (ml/hr) * Duration of order (in hours)':

- Has IV type of 'Admixture', 'Hyperal', 'Chemotherapy Admixture', 'Continuous Syringe', or 'Chemotherapy Continuous Syringe'
- The IV Additive is NOT administered via a 'CONTINUOUS' FDB Dose Route
- IV Solution volume/Infusion Rate does not result in a whole number
- Additive is to be administered in all bags
- Order duration is less than 24 hours
- Volume of solution (equivalent to '1' bag dispensed) will not finish infusing over order duration

6.2.8.1.68.1 Functional Requirement (RSD 2.6.8.9.1)

If a Max Daily Dose warning is generated, a note preceding the warning shall be displayed stating how much IV fluid volume was infused over the duration of the order.

IV Order: Folic Acid 500mg in 0.9% Sodium Chloride 500ml IV to infuse 62ml/hr. One bag will infuse over 8 hours (rounded). The duration of the order is 3 hours.

$500\text{mg}/500\text{ml} * 62\text{ml/hr} * 3 \text{ hours} = 186\text{mg}$ (Adjusted SDA)

Both Maximum Single Dose and Max Daily Dose warnings generated

PLEASE NOTE: The single dose of the IV Additive has been adjusted to reflect the amount of drug infused over the duration of the order or 24 hours; whichever is less (186 ML over 3 hours).

FOLIC ACID 500 MG: Single dose amount of 186 MILLIGRAMS exceeds the maximum single dose amount of 1 MILLIGRAMS.

FOLIC ACID 500 MG: Total dose amount of 186 MILLIGRAMS/DAY exceeds the maximum daily dose amount of 1 MILLIGRAMS/DAY.

Only Max Daily Dose warning generated

PLEASE NOTE: The single dose of the IV Additive has been adjusted to reflect the amount of drug infused over the duration of the order or 24 hours; whichever is less (186 ML over 3 hours).

FOLIC ACID 500 MG: Total dose amount of 186 MILLIGRAMS/DAY exceeds the maximum daily dose amount of 1 MILLIGRAMS/DAY.

6.2.9 System Features – OUTPATIENT Max Daily Dose Order Check (RSD 2.6.1)

RSD 2.6.1.1, 2.6.1.2, 2.6.1.3, 2.6.1.4, 2.6.1.5, 2.6.1.5.1, 2.6.1.5.2, 2.6.1.5.2.1, 2.6.1.6, 2.6.1.7, 2.6.1.8, 2.6.1.9, 2.6.1.9.1, 2.6.1.10, 2.6.1.11, 2.6.1.12, 2.6.1.13, 2.6.1.14

6.2.9.1.1 Functional Requirement 1 (2.6.1.1)

The Max Daily Dose Order Check shall replace the Daily Dose Range Order Check.

6.2.9.1.2 Functional Requirement 2 (2.6.1.2)

The Max Daily Dose Order Check shall be implemented for all simple medication orders entered through CPRS, and Outpatient Pharmacy applications.

6.2.9.1.3 Functional Requirement 3 (2.6.1.3)

The Max Daily Dose Order Check shall be incorporated in the following Outpatient Pharmacy order entry processes:

- Entering a new order
- Finishing a pending order
- Renewing an order
- Editing the following fields:
 - Orderable Item
 - Dispense Drug
 - Dosage
 - Dispense Units
 - Route
 - Schedule
- Verifying an order using the following options:
 - Patient Prescription Processing
 - Process Order Checks
 - Rx Verification by Clerk
- Copying an order

- Reinstating a discontinued order

6.2.9.1.4 Functional Requirement 4 (2.6.1.4)

The Max Daily Dose Order Check shall be performed with the Maximum Single Dose Order Check and results from both order checks displayed at the same time for a simple medication order.

6.2.9.1.5 Functional Requirement 5 (2.6.1.5)

If the daily dose exceeds the FDB recommended Max Daily Dose, a warning message shall be displayed to the user.

6.2.9.1.5.1 Functional Requirement 1 (2.6.1.5.1)

The warning message shall be indented and a single space shall be utilized between messages.

6.2.9.1.5.2 Functional Requirement 2 (2.6.1.5.2)

The drug name shall precede the warning message.

6.2.9.1.5.2.1 Functional Requirement 1 (2.6.1.5.2.1)

The dispense drug name shall be used for an outpatient order.

6.2.9.1.6 Functional Requirement 6 (2.6.1.6)

If a Max Daily Dose Order Check cannot be performed, the program shall display an order level error message to the user informing them of this along with general dosing information for the drug.

6.2.9.1.7 Functional Requirement 7 (2.6.1.7)

If both Dosing Order Checks (Maximum Single Dose and Max Daily Dose) cannot be evaluated, the software shall display an error message and provide general dosing information for the drug.

6.2.9.1.8 Functional Requirement 8 (2.6.1.8)

The user shall be required to log an intervention if a Max Daily Dose warning is displayed.

6.2.9.1.9 Functional Requirement 9 (2.6.1.9)

Only one pharmacy intervention shall be logged if multiple warnings (Maximum Single Dose and Max Daily Dose) are displayed for a drug.

6.2.9.1.9.1 Functional Requirement 1 (2.6.1.9.1)

The intervention type shall be set to 'MAX SINGLE DOSE & MAX DAILY DOSE'.

6.2.9.1.10 Functional Requirement 10 (2.6.1.10)

If one or more Max Daily Dose warning message(s) is displayed, the intervention type for the pharmacy intervention logged shall be set to 'MAX DAILY DOSE'.

6.2.9.1.11 Functional Requirement 11 (2.6.1.11)

No intervention shall be required for the display of only a general dosing information message and/or error/warning messages.

6.2.9.1.12 Functional Requirement 12 (2.6.1.12)

A 'Press Return to Continue' shall be placed where appropriate in the software so that no information scrolls off the screen before a user can review

6.2.9.1.13 Functional Requirement 13 (2.6.1.13)

For a simple order, a top of form shall be performed before a dosing warning is displayed.

6.2.9.1.14 Functional Requirement 14 (2.6.1.14)

For a simple order, all information for a dosing warning shall be displayed in its entirety on a single screen.

Backdoor New Order Entry

```
Select Action: Quit// NO    New Order

Eligibility: COLLATERAL OF VET.
RX PATIENT STATUS: OPT NSC//
DRUG: LOVASTATIN
  Lookup: GENERIC NAME
    1  LOVASTATIN 10MG TAB          CV350      N/F      THIS DRUG IS RESTRICT
ED TO CARDIOLOGY
    2  LOVASTATIN 40MG TAB          CV350
CHOOSE 1-2: 2  LOVASTATIN 40MG TAB          CV350
  Restriction/Guideline(s) exist.  Display? : (N/D/O/B): No//    NO

Now Processing Enhanced Order Checks! Please wait...

VERB: TAKE
Available Dosage(s)
  1. 40MG
  2. 80MG

Select from list of Available Dosages, Enter Free Text Dose
or Enter a Question Mark (?) to view list: 120 120MG

You entered 120MG is this correct? Yes//    YES
VERB: TAKE
DISPENSE UNITS PER DOSE(TABLET(S)): 3// 3
Dosage Ordered: 120MG

NOUN: TABLETS
ROUTE: PO//    ORAL          PO    MOUTH
Schedule: QAM// QPM (EVERY EVENING)
LIMITED DURATION (IN DAYS, HOURS OR MINUTES): CONJUNCTION:

  LOVASTATIN 40MG TAB: Single dose amount of 120 MILLIGRAMS exceeds the maximum single
  dose amount of 80 MILLIGRAMS.

  LOVASTATIN 40MG TAB: Total dose amount of 120 MILLIGRAMS/DAY exceeds the maximum
  daily dose amount of 80 MILLIGRAMS/DAY.

Do you want to Continue? Y// ES

Do you want to Process or Cancel medication?

LOVASTATIN 40MG TAB: P// ROCESS

Enter your Current Signature Code:    SIGNATURE VERIFIED

Now creating Pharmacy Intervention
for LOVASTATIN 40MG TAB

PROVIDER: OPPROVIDER, ONE
```

RECOMMENDATION: NO CHANGE

See 'Pharmacy Intervention Menu' if you want to delete this intervention or for more options.

Would you like to edit this intervention ? N// NO

VERB: TAKE

.

.

Or

Do you want to Continue? Y// n NO

RX DELETED

Finishing Pending Order

Select Item(s): Quit// fn Finish

Now Processing Enhanced Order Checks! Please wait...

LOVASTATIN 40MG TAB: Single dose amount of 120 MILLIGRAMS exceeds the maximum single dose amount of 80 MILLIGRAMS.

LOVASTATIN 40MG TAB: Total dose amount of 120 MILLIGRAMS/DAY exceeds the maximum daily dose amount of 80 MILLIGRAMS/DAY.

Do you want to Continue? Y// ES

Do you want to Process or Cancel medication?

LOVASTATIN 40MG TAB: P// ROCESS

Enter your Current Signature Code: SIGNATURE VERIFIED

Now creating Pharmacy Intervention
for LOVASTATIN 40MG TAB

PROVIDER: OPPROVIDER, ONE

RECOMMENDATION: NO CHANGE

See 'Pharmacy Intervention Menu' if you want to delete this intervention or for more options.

Would you like to edit this intervention ? N// NO

.

.

Or

Do you want to Continue? Y// No

(1) Orderable Item: LOVASTATIN TAB *(N/F)* <DIN>
(2) Drug: LOVASTATIN 40MG TAB *(N/F)* <DIN>
(3) *Dosage: 120 (MG)
Verb: TAKE
Dispense Units: 3
Noun: TABLETS
*Route: ORAL
*Schedule: QPM
(4) Pat Instruct:

ED Edit FN Finish

Select Item(s): Next Screen// NEXT SCREEN

Renewing an Order

```
Rx #: 2619
(1) *Orderable Item: AMITRIPTYLINE TAB
(2)      Drug: AMITRIPTYLINE 25MG TAB
(3)      *Dosage: 50 (MG)
          Verb: TAKE
          Dispense Units: 2
          Noun: TABLETS
          *Route: ORAL
          *Schedule: QID
(4) Pat Instructions:
          SIG: TAKE TWO TABLETS BY MOUTH FOUR TIMES A DAY
(5) Patient Status: OPT NSC
(6)      Issue Date: 03/25/08          (7) Fill Date: 04/17/08
          Last Fill Date: 04/17/08 (Mail)
+      Enter ?? for more actions
DC  Discontinue      PR  Partial      RL  Release
ED  Edit             RF  Refill       RN  Renew
Select Action: Next Screen// RN  Renew
FILL DATE: (4/17/2008 - 4/18/2009): TODAY//
MAIL/WINDOW: WINDOW// WINDOW
METHOD OF PICK-UP:
Nature of Order: WRITTEN//          W
WAS THE PATIENT COUNSELED: NO// NO

Do you want to enter a Progress Note? No//  NO

Now Renewing Rx # 2619      Drug: AMITRIPTYLINE 25MG TAB

Now Processing Enhanced Order Checks! Please wait...

AMITRIPTYLINE 25MG TAB: Total dose amount of 200 MILLIGRAMS/DAY exceeds the maximum
daily dose amount of 150 MILLIGRAMS/DAY.

Do you want to Continue? Y// NO

RENEWED RX DELETED

Or

Do you want to Continue? Y// ES

Do you want to Process or Cancel medication?
AMITRIPTYLINE 25MG TAB: P// ROCESS

Enter your Current Signature Code:      SIGNATURE VERIFIED

Now creating Pharmacy Intervention
for AMITRIPTYLINE 25MG TAB

PROVIDER:      OPPOVIDER, FOUR      FPP      119
RECOMMENDATION:      NO CHANGE

See 'Pharmacy Intervention Menu' if you want to delete this
intervention or for more options.

Would you like to edit this intervention ? N// O

2619A      AMITRIPTYLINE 25MG TAB      QTY: 240
# OF REFILLS: 5  ISSUED: 04-17-08
SIG: TAKE TWO TABLETS BY MOUTH FOUR TIMES A DAY
FILLED: 05-07-08
ROUTING: WINDOW      PHYS: OPPOVIDER,FOUR

Edit renewed Rx ? Y//
```

Editing an Order

```
Rx #: 2623
(1) *Orderable Item: AMLODIPINE/ATORVASTATIN TAB
(2) Drug: AMLODIPINE 5MG/ATORVASTATIN 40MG TAB
Verb: TAKE
(3) *Dosage: 1 TABLET
*Route: ORAL
*Schedule: QAM
(4)Pat Instructions:
SIG: TAKE 1 TABLET BY MOUTH EVERY EVENING
(5) Patient Status: OPT NSC
(6) Issue Date: 04/17/08 (7) Fill Date: 04/17/08
Last Fill Date: 04/17/08 (Window)
Last Release Date: (8) Lot #:
ROUTE: ORAL// ORAL
Schedule: QPM//
LIMITED DURATION (IN MONTHS, WEEKS, DAYS, HOURS OR MINUTES):
CONJUNCTION:
:
+ Enter ?? for more actions
DC Discontinue PR Partial RL Release
ED Edit RF Refill RN Renew
Select Action: Next Screen// ED Edit
Select fields by number: (1-19): 3
Available Dosage(s)
1. 1 TABLET
2. 2 TABLETS

Select from list of Available Dosages, Enter Free Text Dose
or Enter a Question Mark (?) to view list: 1 TABLET// 3 TABLETS

You entered 3 TABLETS is this correct? Yes// YES
VERB: TAKE// TAKE
ROUTE: ORAL// ORAL
Schedule: QPM// QAM
LIMITED DURATION (IN MONTHS, WEEKS, DAYS, HOURS OR MINUTES):
CONJUNCTION:

New OP Order (ROUTINE) Apr 17, 2008@13:24:09 Page: 1 of 2
OPPATIENT, ONE <A>
PID: 000-00-0000 Ht(cm): ( )
DOB: JAN 1,1901 (107) Wt(kg): ( )

Orderable Item: AMLODIPINE/ATORVASTATIN TAB
(1) Drug: AMLODIPINE 5MG/ATORVASTATIN 40MG TAB
(2) Patient Status: OPT NSC
(3) Issue Date: APR 17,2008 (4) Fill Date: APR 17,2008
Verb: TAKE
(5) Dosage Ordered: 3 TABLETS
Route: ORAL
Schedule: QAM
(6)Pat Instruction:
SIG: TAKE 3 TABLETS BY MOUTH EVERY MORNING
(7) Days Supply: 30 (8) QTY ( ): 90
(9) # of Refills: 11 (10) Routing: WINDOW
(11) Clinic:
(12) Provider: OPPROVIDER,FOUR (13) Copies: 1
+ This change will create a new prescription!
AC Accept ED Edit
Select Action: Next Screen// AC Accept

Press Return to Continue:

Now Processing Enhanced Order Checks! Please Wait...
AMLODIPINE 5MG/ATORVASTATIN 40MG TAB: Total dose form amount of 3 TABLET(S)/DAY
exceeds the maximum daily dose form amount of 2 TABLET(S)/DAY.
```

Do you want to Continue? Y// NO

Rx #: 2623
(1) *Orderable Item: AMLODIPINE/ATORVASTATIN TAB
(2) Drug: AMLODIPINE 5MG/ATORVASTATIN 40MG TAB
Verb: TAKE
(3) *Dosage: 1 TABLET
*Route: ORAL
*Schedule: QPM
(4)Pat Instructions:
SIG: TAKE 1 TABLET BY MOUTH EVERY EVENING
(5) Patient Status: OPT NSC
(6) Issue Date: 04/17/08 (7) Fill Date: 04/17/08
Last Fill Date: 04/17/08 (Window)
Last Release Date: (8) Lot #: MFG:
Expires: 04/18/09
+ Enter ?? for more actions
DC Discontinue PR Partial RL Release
ED Edit RF Refill RN Renew
Select Action: Next Screen//
.
.
Or

Do you want to Continue? Y// ES

Do you want to Process or Cancel medication?
AMLODIPINE 5MG/ATORVASTATIN 40MG TAB: P// ROCESS

Enter your Current Signature Code: SIGNATURE VERIFIED

Now creating Pharmacy Intervention
for AMLODIPINE 5MG/ATORVASTATIN 40MG TAB

PROVIDER: PSOPROVIDER, THREE TPP
RECOMMENDATION: NO CHANGE

See 'Pharmacy Intervention Menu' if you want to delete this
intervention or for more options.

Would you like to edit this intervention ? N// O

Copying an Order

Select Action: Next Screen// CO CO

New OP Order (COPY) Apr 17, 2008@12:01:46 Page: 1 of 2
OPPATIENT,ONE <A>
PID: 000-00-0000 Ht(cm): _____ (_____)
DOB: JAN 1,1901 (107) Wt(kg): _____ (_____)

Orderable Item: AMITRIPTYLINE TAB
(1) Drug: AMITRIPTYLINE 25MG TAB
(2) Patient Status: OPT NSC
(3) Issue Date: APR 17,2008 (4) Fill Date: APR 17,2008
(5) Dosage Ordered: 50 (MG)
Verb: TAKE
Dispense Units: 2
Noun: TABLETS
Route: ORAL
Schedule: QID
(6)Pat Instruction:


```

                SIG: TAKE TWO TABLETS BY MOUTH FOUR TIMES A DAY
(7)    Days Supply: 30                      (8)    QTY ( ): 240
(9)    # of Refills: 11                    (10)   Routing: MAIL
+      Enter ?? for more actions
AC    Accept                               ED    Edit
Select Action: Next Screen// AC    Accept
-----
Duplicate Drug in Local RX:

                Rx #: 2621A
                Drug: AMITRIPTYLINE 25MG TAB
                SIG: TAKE TWO TABLETS BY MOUTH FOUR TIMES A DAY
                QTY: 240                      Refills remaining: 11
                Provider: OPPROVIDER, ONE      Issued: 02/13/08
                Status: ACTIVE                  Last filled on: 02/13/08
                Processing Status: Released locally on 02/13/08@08:55:32 (Window)
                                           Days Supply: 30
-----
Discontinue Rx #2621A AMITRIPTYLINE 25MG TAB? Y/N  YES

Rx #2621A AMITRIPTYLINE 25MG TAB will be discontinued after the acceptance of the new
order.

Now Processing Enhanced Order Checks! Please wait...

AMITRIPTYLINE 25MG TAB: Total dose amount of 200 MILLIGRAMS/DAY exceeds the maximum
daily dose amount of 150 MILLIGRAMS/DAY.

Do you want to Continue? Y// ES

Do you want to Process or Cancel medication?
AMITRIPTYLINE 25MG TAB: P// ROCESS

Enter your Current Signature Code:    SIGNATURE VERIFIED

Now creating Pharmacy Intervention
for AMITRIPTYLINE 25MG TAB

PROVIDER:    OPPROVIDER, FOUR      FPP      119
RECOMMENDATION:    NO CHANGE

See 'Pharmacy Intervention Menu' if you want to delete this
intervention or for more options.

Would you like to edit this intervention ? N// O

Nature of Order: WRITTEN//
.
.
Or

Do you want to Continue? Y// NO

Duplicate Drug Rx #2621A AMITRIPTYLINE 25MG TAB was NOT Discontinued.

```

Verifying an Order using Prescription Processing Option

```

                Rx #: 2622
(1) *Orderable Item: ACETAMINOPHEN/CODEINE ELIXIR
(2)    Drug: ACETAMINIOPHEN 120MG/COD 12MG/5ML EL
        Verb: TAKE
(3)    *Dosage: 2 TABLESPOONFULS
        *Route: ORAL
        *Schedule: Q4H PRN
(4)Pat Instructions:
                SIG: TAKE 2 TABLESPOONFULS BY MOUTH EVERY 4 HOURS AS NEEDED
(5) Patient Status: OPT NSC
(6)    Issue Date: 04/17/08                (7) Fill Date: 04/17/08

```

```

Last Fill Date: 04/17/08 (Window)
Last Release Date:
Expires: 04/18/09
+ Enter ?? for more actions
DC Discontinue PR (Partial) RL (Release)
ED Edit RF (Refill) RN (Renew)
Select Action: Next Screen// VF VF

PSOPATIENT,TWO ID#:000-00-0000 RX #2622

      RX #      DRUG      QTY ST  ISSUE  LAST REF DAY
      -----
      -----NON-VERIFIED-----
1 2622      ACETAMINIOPHEN 120MG/COD 12MG/5ML EL 480 N 04-17 04-17 11 30
2 2528$      AMINOPHYLLINE 200MG TAB      120 N 04-17 04-17 11 30
3 2529$      ASPIRIN 325MG EC TAB      30 N 04-17 04-17 11 30
4 2527$      CIMETIDINE 300MG TAB      30 N 04-17 04-17 11 30
5 2531$      INDOMETHACIN 25MG CAP      90 N 04-17 04-17 11 30
6 2530$      WARFARIN 2.5MG TAB      30 N 04-17 04-17 11 30

Press RETURN to Continue:

ACETAMINIOPHEN 120MG/COD 12MG/5ML EL: Single dose form amount of 2 TABLESPOONFULS
exceeds the maximum single dose form amount of 1.66668 TABLESPOONFULS.

ACETAMINIOPHEN 120MG/COD 12MG/5ML EL: Total dose form amount of 12 TABLESPOONFULS/DAY
exceeds the maximum daily dose form amount of 10.00005 TABLESPOONFULS/DAY.

Do you want to Continue? Y// NO

Medication Profile Feb 13, 2008@08:50:04 Page: 1 of 1
PSOPATIENT,TWO
PID: 000-00-0000 Ht(cm): 167.64 (10/16/1993)
DOB: JUL 1,1934 (73) Wt(kg): 68.18 (10/16/1993)
SEX: MALE

      RX #      DRUG      QTY ST  ISSUE  LAST REF DAY
      -----
      -----NON-VERIFIED-----
1 2622      ACETAMINIOPHEN 120MG/COD 12MG/5ML EL 480 N 04-17 04-17 11 30
2 2528$      AMINOPHYLLINE 200MG TAB      120 N 04-17 04-17 11 30
3 2529$      ASPIRIN 325MG EC TAB      30 N 04-17 04-17 11 30
4 2527$      CIMETIDINE 300MG TAB      30 N 04-17 04-17 11 30
5 2531$      INDOMETHACIN 25MG CAP      90 N 04-17 04-17 11 30
6 2530$      WARFARIN 2.5MG TAB      30 N 04-17 04-17 11 30

Enter ?? for more actions

ED (Edit) RF (Refill) RN (Renew)
.
.
Or
Do you want to Continue? Y// YES
Do you want to Process or Cancel medication?
Rx #2622 ACETAMINIOPHEN 120MG/COD 12MG/5ML ELIXIR: PROCESS//
Enter your Current Signature Code: SIGNATURE VERIFIED
Now creating Pharmacy Intervention
for ACETAMINIOPHEN 120MG/COD 12MG/5ML ELIXIR
PROVIDER: PSOPROVIDER,TWO TPP 119

```

RECOMMENDATION: NO CHANGE

See 'Pharmacy Intervention Menu' if you want to delete this intervention or for more options.

Would you like to edit this intervention ? N// O

RX: 2622 PATIENT: PSOPATIENT,TWO (000-00-0000)
STATUS: Non-Verified
DRUG: ACETAMINIOPHEN 120MG/COD 12MG/5ML EL
QTY: 480 30 DAY SUPPLY
SIG: TAKE 2 TABLESPOONFULS BY MOUTH EVERY 4 HOURS AS NEEDED
LATEST: 04/17/2008 # OF REFILLS: 11 REMAINING: 11
ISSUED: 04/17/08 PROVIDER:
LOGGED: 04/17/08 CLINIC: NOT ON FILE
EXPIRES: 04/18/09 DIVISION: HINES (499)
CAP: SAFETY ROUTING: WINDOW
ENTRY BY: PSOPHARMACIST,ONE VERIFIED BY:

EDIT: (Y/N/P): N// O

VERIFY FOR PSOPATIENT,TWO ? (Y/N/Delete/Quit): Y// ES

Verification Parameter set to Yes – Backdoor New Order Entry – No PSORPH key

PU Patient Record Update NO New Order
PI Patient Information SO Select Order
Select Action: Next Screen// NO New Order

Eligibility: SERVICE CONNECTED 50% to 100% SC%: 50

RX PATIENT STATUS: SC//

DRUG: CIMETIDINE

Lookup: GENERIC NAME

1	CIMETIDINE 100MG TAB	GA301	
2	CIMETIDINE 200MG TAB	GA301	
3	CIMETIDINE 300MG TAB	GA301	90 DAY SUPPLY
4	CIMETIDINE 400MG TAB	GA301	
5	CIMETIDINE 800MG TAB	GA301	

CHOOSE 1-5: 3 CIMETIDINE 300MG TAB GA301 90 DAY SUPPLY

Now Processing Enhanced Order Checks! Please wait...

VERB: TAKE

Available Dosage(s)

1. 300MG
2. 600MG

Select from list of Available Dosages, Enter Free Text Dose
or Enter a Question Mark (?) to view list:

This is a required response. Enter '^' to exit

Select from list of Available Dosages, Enter Free Text Dose
or Enter a Question Mark (?) to view list: 900MG

You entered 900MG is this correct? Yes// YES

VERB: TAKE

DISPENSE UNITS PER DOSE(TABLET): 3// 3

Dosage Ordered: 900MG

NOUN: TABLET

ROUTE: PO// ORAL PO MOUTH

Schedule: QID// TID (THREE TIMES DAILY)

LIMITED DURATION (IN DAYS, HOURS OR MINUTES):

CONJUNCTION:

CIMETIDINE 300MG TAB: Single dose amount of 900 MILLIGRAMS exceeds the maximum single dose amount of 800 MILLIGRAMS.

CIMETIDINE 300MG TAB: Total dose amount of 2700 MILLIGRAMS/DAY exceeds the maximum daily dose amount of 1600 MILLIGRAMS/DAY.

PATIENT INSTRUCTIONS:

(TAKE THREE TABLETS BY MOUTH THREE TIMES DAILY)

DAYS SUPPLY: (1-90): 90// 30
QTY (TAB) DISP IN MULTIPLES OF 100: 270// 270
COPIES: 1// 1
OF REFILLS: (0-3): 3//
PROVIDER: OPPROVIDER,TWO
CLINIC:
MAIL/WINDOW: WINDOW// WINDOW
METHOD OF PICK-UP:
REMARKS:
ISSUE DATE: TODAY// (APR 23, 2008)
FILL DATE: (4/23/2008 - 4/24/2009): TODAY// (APR 23, 2008)
Nature of Order: WRITTEN// W

Rx # 2629 04/23/08
OPPATIENT,THREE #270
TAKE THREE TABLETS BY MOUTH THREE TIMES DAILY

CIMETIDINE 300MG TAB
OPTECH,ONE OPTECH,ONE
of Refills: 3

SC Percent: 50%
Disabilities: NONE STATED

Was treatment for a Service Connected condition? NO
Is this correct? YES//
Another New Order for OPPATIENT,THREE? YES// NO

Backdoor New Order Entry – Verification Parameter set to No – No PSORPH key

Select Action: Quit// NO New Order

Eligibility: SERVICE CONNECTED 50% to 100% SC%: 50
RX PATIENT STATUS: SC//
DRUG: INDINAVIR
Lookup: GENERIC NAME
INDINAVIR 400MG CAP AM800
...OK? Yes// (Yes)

Now Processing Enhanced Order Checks! Please wait...

VERB: TAKE
Available Dosage(s)
1. 400MG
2. 800MG

Select from list of Available Dosages, Enter Free Text Dose
or Enter a Question Mark (?) to view list: 1200MG

You entered 1200MG is this correct? Yes// YES
VERB: TAKE
DISPENSE UNITS PER DOSE(CAPSULE): 3// 3
Dosage Ordered: 1200MG

NOUN: CAPSULE
ROUTE: ORAL// ORAL
Schedule: Q8H// (EVERY 8 HOURS)
LIMITED DURATION (IN DAYS, HOURS OR MINUTES):
CONJUNCTION:

INDINAVIR 400MG CAP: Total dose amount of 3600 MILLIGRAMS/DAY exceeds the maximum daily dose amount of 3000 MILLIGRAMS/DAY.

PATIENT INSTRUCTIONS:

(TAKE THREE CAPSULES BY MOUTH EVERY 8 HOURS)

DAYS SUPPLY: (1-90): 90//

QTY (CAP) : 270// 810

COPIES: 1// 1

OF REFILLS: (0-3): 3//

PROVIDER:

PROVIDER: OPPROVIDER,TWO

CLINIC:

MAIL/WINDOW: WINDOW// WINDOW

METHOD OF PICK-UP:

REMARKS:

ISSUE DATE: TODAY// (APR 23, 2008)

FILL DATE: (4/23/2008 - 4/24/2009): TODAY// (APR 23, 2008)

Nature of Order: WRITTEN// W

Rx # 2630 04/23/08

OPPATIENT,THREE #810

TAKE THREE CAPSULES BY MOUTH EVERY 8 HOURS

INDINAVIR 400MG CAP

OPTECH,ONE OPTECH,ONE

of Refills: 3

SC Percent: 50%
Disabilities: NONE STATED

Was treatment for a Service Connected condition? n NO

Is this correct? YES//

Another New Order for OPPATIENT,THREE? YES// n NO

Finishing a Pending Order – Verification site Parameter set to YES - No PSORPH key

Pending OP Orders (ROUTINE) Apr 24, 2008@08:56:23 Page: 1 of 5

OPPATIENT,THREE

PID: 666-00-0000

Ht(cm): _____ (<A>)

DOB: JAN 25,1959 (49)

Wt(kg): _____

CPRS Order Checks:

CRITICAL drug-drug interaction: CARBAMAZEPINE & CYCLOSPORINE (CYCLOSPORINE CAP,ORAL 100MG TAKE ONE CAPSULE BY MOUTH TWICE A DAY [ACTIVE])

Overriding Provider: OPPROVIDER,TWO

Overriding Reason: TESTING VERIFICATION

Duplicate drug class order: ANTICONVULSANTS (PHENYTOIN CAP,SA 100MG TAKE ONE CAPSULE BY MOUTH THREE TIMES A DAY [ACTIVE])

Overriding Provider: OPPROVIDER,TWO

Overriding Reason: TESTING VERIFICATION

CRITICAL drug-drug interaction: CARBAMAZEPINE & WARFARIN (WARFARIN TAB 2.5MG TAKE ONE TABLET BY MOUTH AT BEDTIME [PENDING])

Overriding Provider: OPPROVIDER,TWO

+ Enter ?? for more actions

BY Bypass DC (Discontinue)

ED (Edit) FN Finish

Select Item(s): Next Screen// FN Finish

Now Processing Enhanced Order Checks! Please wait...

CRITICAL Drug Interaction with Local Rx for INDINAVIR 400MG CAP

RX: #2630

Drug: INDINAVIR 400MG CAP
SIG: TAKE ONE CAPSULE BY MOUTH EVERY 8 HOURS
QTY: 270 Refills remaining: 3
Provider: OPPROVIDER, ONE Issued: 02/12/08
Status: ACTIVE Last filled on: 02/12/08
Processing Status: Released locally on 02/12/08@08:55:32 (Window)
Days Supply: 90

The concurrent use of indinavir and carbamazepine may result in higher than anticipated carbamazepine levels, decreased indinavir plasma levels, and antiretroviral therapy failure.(1,2)The concurrent use of amprenavir, fosamprenavir, lopinavir, nelfinavir, and saquinavir may result in decreased levels of these agents and antiretroviral therapy failure.(3-7)The concurrent use of ritonavir and carbamazepine may result in elevated levels of carbamazepine and signs of carbamazepine toxicity.(8-10)

Display Professional Interaction Monograph? No// No

CRITICAL Drug Interaction with Local Rx for WARFARIN 5MG TAB

RX: #2523
Drug: WARFARIN 5MG TAB
SIG: TAKE TWO TABLETS BY MOUTH AT BEDTIME
QTY: 180 Refills remaining: 3
Provider: OPPROVIDER, ONE Issued: 02/12/08
Status: ACTIVE Last filled on: 02/12/08
Processing Status: Released locally on 02/12/08@08:55:32 (Window)
Days Supply: 90

The hypoprothrombinemic effect of anticoagulants may be decreased.

Display Professional Interaction Monograph? No// No

CRITICAL Drug Interaction with Local Rx for CYCLOSPRINE 100MG CAP

RX: #2512
Drug: CYCLOSPRINE 100MG CAP
SIG: TAKE ONE CAPSULE BY MOUTH TWICE A DAY
QTY: 180 Refills remaining: 3
Provider: OPPROVIDER, ONE Issued: 02/12/08
Status: ACTIVE Last filled on: 02/12/08
Processing Status: Released locally on 02/12/08@08:55:32 (Window)
Days Supply: 90

Decreased levels of cyclosporine, which may result in a decrease in the immunosuppressive effects of cyclosporine.

Display Professional Interaction Monograph? No// No

CRITICAL Drug Interaction with Local Rx for AMITRIPTYLINE 25MG TAB

RX: #2520
Drug: AMITRIPTYLINE 25MG TAB
SIG: TAKE ONE TABLET BY MOUTH AT BEDTIME
QTY: 90 Refills remaining: 3
Provider: OPPROVIDER, ONE Issued: 02/12/08
Status: ACTIVE Last filled on: 02/12/08
Processing Status: Released locally on 02/12/08@08:55:32 (Window)
Days Supply: 90

Decreased levels of cyclosporine, which may result in a decrease in the immunosuppressive effects of cyclosporine.

Display Professional Interaction Monograph? No// No

CARBAMAZEPINE 200MG S.T.: Single dose amount of 1000 MILLIGRAMS exceeds the maximum single dose amount of 600 MILLIGRAMS.

CARBAMAZEPINE 200MG S.T.: Total dose amount of 4000 MILLIGRAMS/DAY exceeds the

maximum daily dose amount of 2400 MILLIGRAMS/DAY.

Rx # 2631 04/24/08
OPPATIENT,THREE #600
TAKE FIVE TABLETS BY MOUTH FOUR TIMES A DAY

CARBAMAZEPINE 200MG TAB
OPTECH,ONE OPTECH,ONE
of Refills: 3

SC Percent: 50%
Disabilities: NONE STATED

Was treatment for a Service Connected condition? YES//
Are you sure you want to Accept this Order? NO// YES
Press Return to Continue

Verification using PROCESS ORDER CHECK option

Select Outpatient Pharmacy Manager Option: PROCess Order Checks
Select RX with Order Checks: ?

Answer with RX VERIFY RX#

Do you want the entire RX VERIFY List? Y (Yes)

Choose from:

2853	PSOPATIENT,SEVEN	438-09-7123
2854	PSOPATIENT,THREE	666-07-9834
2945	PSOPATIENT,EIGHT	666-00-9999
2946	PSOPATIENT,EIGHT	666-00-9999
2947	PSOPATIENT,EIGHT	666-00-9999

Select RX with Order Checks: 2945 AMIODARONE 400MG TAB PSOPATIENT,EIGHT
666-00-9999

RX: 2945 PATIENT: PSOPATIENT,EIGHT (666-00-9999)

STATUS: Non-Verified CO-PAY STATUS
DRUG: AMIODARONE 400MG TAB
QTY: 90 30 DAY SUPPLY
SIG: TAKE ONE TABLET BY MOUTH THREE TIMES A DAY
LATEST: 07/13/2010 # OF REFILLS: 11 REMAINING: 11
ISSUED: 07/13/10 PROVIDER:
LOGGED: 07/13/10 CLINIC: NOT ON FILE
EXPIRES: 07/14/11 DIVISION: HINES (499)
CAP: SAFETY ROUTING: WINDOW
ENTRY BY: PSTECH,ONE VERIFIED BY:

FILLED: 07/13/10 PHARMACIST: LOT #:
DISPENSED: 07/13/10 RELEASED:

EDIT: (Y/N/P): N// O

PSOPATIENT,EIGHT ID#:666-00-9999 RX#: 2945

RX #	DRUG	QTY	ST	ISSUE DATE	LAST FILL	REF REM	DAY SUP
-----NON-VERIFIED-----							
2946\$	ACETAMINOPHEN 325MG TAB	3420	N	07-13	07-13	11	30
2945\$	AMIODARONE 400MG TAB	90	N	07-13	07-13	11	30
2944\$	INDINAVIR 400MG CAP	90	N	07-13	07-13	11	30
2947\$	SIMVASTATIN 20MG TAB	1200	N	07-13	07-13	11	30
-----PENDING-----							
FUROSEMIDE 40MG TAB	QTY: 90	ISDT: 08-09>	REF: 3				
LOVASTATIN 20MG TAB	QTY: 30	ISDT: 07-12	REF: 11				
MULTIVITAMIN CAP/TAB	QTY: 90	ISDT: 08-09	REF: 3				
PREDNISONE 20MG TAB	QTY: 30	ISDT: 06-21	REF: 0				
-----Non-VA MEDS (Not dispensed by VA)-----							
ASPIRIN 325MG TAB	325MG EVERY MORNING	Date Documented: 08/09/07					

```

HYDROCORTISONE 0.1% CREAM THIN FILM EVERY 8 HOURS
                                         Date Documented: 08/09/07

Now doing allergy checks.  Please wait...

Now Processing Enhanced Order Checks!  Please wait...

Enhanced Order Checks cannot be performed for Local Drug: HYDROCORTISONE
0.1% CREAM
  Reason(s): Drug not matched to NDF

Enhanced Order Checks cannot be performed for Local Drug: LOVASTATIN 20MG
TAB
  Reason(s): Drug not matched to NDF

Enhanced Order Checks cannot be performed for Local Drug: MULTIVITAMIN
CAP/TAB
  Reason(s): Drug not matched to NDF

-----
***Critical*** Drug Interaction with Prospective Drug:
                AMIODARONE 400MG TAB and

Press return to continue:

      Local RX#: 2944
      Drug: INDINAVIR 400MG CAP (Non-Verified)
      SIG: TAKE ONE CAPSULE BY MOUTH EVERY 8 HOURS
      Processing Status: Not released locally (Window)

The concurrent administration of amiodarone with indinavir,(1)
nelfinavir,(2) ritonavir,(3) or tipranavir coadministered with ritonavir(4)
may result in increased levels, clinical effects, and toxicity of
amiodarone.

Display Interaction Monograph? No//  NO
-----
***Critical*** Drug Interaction with Prospective Drug:
                AMIODARONE 400MG TAB and

      Local RX#: 2947
      Drug: SIMVASTATIN 20MG TAB (Non-Verified)
      SIG: TAKE 40 TABLETS BY MOUTH AT BEDTIME
      Processing Status: Not released locally (Window)

Concurrent use of amiodarone(1) or dronedarone(4) with certain HMG CoA
reductase inhibitors may increase the risk of rhabdomyolysis.

Display Interaction Monograph? No//  NO

Press return to continue:

Do you want to Continue? Y// ES

Do you want to Process or Cancel medication?
Rx #2945   Drug: AMIODARONE 400MG TAB: PROCESS//

Enter your Current Signature Code:    SIGNATURE VERIFIED

Now creating Pharmacy Intervention
for AMIODARONE 400MG TAB

```



```

PROVIDER:
RECOMMENDATION:      NO CHANGE

See 'Pharmacy Intervention Menu' if you want to delete this
intervention or for more options.

Would you like to edit this intervention ? N// O

Press return to continue:

    AMIODARONE 400MG TAB: Total dose amount of 1200 MILLIGRAMS/DAY exceeds the maximum
    daily dose amount of 800 MILLIGRAMS/DAY.

Do you want to Continue? Y// ES

Do you want to Process or Cancel medication?

AMIODARONE 400MG TAB: P// ROCESS MEDICATION

Enter your Current Signature Code:      SIGNATURE VERIFIED

Now creating Pharmacy Intervention
for  AMIODARONE 400MG TAB

PROVIDER:
RECOMMENDATION:      NO CHANGE

See 'Pharmacy Intervention Menu' if you want to delete this
intervention or for more options.

Would you like to edit this intervention ? N// O

PSOPATIENT,EIGHT                                ID#:666-00-9999  RX#: 2945
AMIODARONE 400MG TAB

VERIFY FOR PSOPATIENT,EIGHT ? (Y/N/Delete/Quit): Y// ES

Label Printer: TELNET
LABEL: QUEUE/CHANGE PRINTER/HOLD/SUSPEND or '^' to bypass Q// UEUE

Select LABEL DEVICE: null  NULL DEVICE  NULL DEVICE

LABEL(S) QUEUED TO PRINT
-----

```

Routines	Activities
Routine Name	PSODOSN
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change
RTM	2.6.1.1, 2.6.1.2, 2.6.1.3, 2.6.1.4, 2.6.1.5, 2.6.1.5.1, 2.6.1.5.2, 2.6.1.5.2.1, 2.6.1.6, 2.6.1.7, 2.6.1.8, 2.6.1.9, 2.6.1.9.1, 2.6.1.10, 2.6.1.11, 2.6.1.12, 2.6.1.13, 2.6.1.14

Related Options	Patient Prescription Processing [PSO LM BACKDOOR ORDERS] Complete Orders from OERR [PSO LMOE FINISH] Discontinue Prescription(s) [PSO C] EDIT PRESCRIPTIONS [PSO RXEDIT]		
Related Routines	Routines “Called By”	Routines “Called”	
		EN^PSODOSU2, \$\$GETGN^PSODOSUN, DATA^PSS50, SIG^XUSESIG	
Routines	Activities		
Data Dictionary (DD) References	N/A		
Related Protocols	N/A		
Related Integration Control Registrations (ICRs)	N/A		
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local		
Input Attribute Name and Definition	N/A		
Output Attribute Name and Definition	N/A		
Current Logic			
This routine contains dose check utilities and used in parsing data returned from FDB.			
Modified Logic (Changes are in bold)			

Routines	Activities
Routine Name	PSODOSU2
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change
RTM	2.6.1.1, 2.6.1.2, 2.6.1.3, 2.6.1.4, 2.6.1.5, 2.6.1.5.1, 2.6.1.5.2, 2.6.1.5.2.1, 2.6.1.6, 2.6.1.7, 2.6.1.8, 2.6.1.9, 2.6.1.9.1, 2.6.1.10, 2.6.1.11, 2.6.1.12, 2.6.1.13, 2.6.1.14
Related Options	Patient Prescription Processing [PSO LM BACKDOOR ORDERS] Complete Orders from OERR [PSO LMOE FINISH] Discontinue Prescription(s) [PSO C] EDIT PRESCRIPTIONS [PSO RXEDIT]

Related Routines	Routines “Called By”	Routines “Called”
	PSODOSUN	PSODOSUT
Routines	Activities	
Data Dictionary (DD) References	^TMP	
Related Protocols	N/A	
Related Integration Control Registrations (ICRs)	N/A	
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	N/A	
Output Attribute Name and Definition	N/A	
Current Logic		
This routine parses data returned from Pharmacy Data Management as a result of a call to First Data Bank (FDB) for drug-drug and duplicate therapy order checks. The data is displayed to the user during order entry processing		
Modified Logic (Changes are in bold)		

Routines	Activities
Routine Name	PSODOSUT
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change
RTM	2.6.1.1, 2.6.1.2, 2.6.1.3, 2.6.1.4, 2.6.1.5, 2.6.1.5.1, 2.6.1.5.2, 2.6.1.5.2.1, 2.6.1.6, 2.6.1.7, 2.6.1.8, 2.6.1.9, 2.6.1.9.1, 2.6.1.10, 2.6.1.11, 2.6.1.12, 2.6.1.13, 2.6.1.14
Related Options	Patient Prescription Processing [PSO LM BACKDOOR ORDERS] Complete Orders from OERR [PSO LMOE FINISH] Discontinue Prescription(s) [PSO C] EDIT PRESCRIPTIONS [PSO RXEDIT]

Related Routines	Routines “Called By”	Routines “Called”
	PSOCAN2, PSODOSU2, PSOLBLD, PSOLLL8, PSOORED3, PSOORED4, PSOORED5, PSOORED6, PSOORNE1, PSOORNEW, PSORENW0, PSOVER1	PSOCAN4, PSODGDG1, PSODOSCL, PSODOSUN, PSORXI, PSSDSAPI, XUSESIG
Routines	Activities	
Data Dictionary (DD) References	52, ^TMP, ^UTILITY, ^XUSEC	
Related Protocols	N/A	
Related Integration Control Registrations (ICRs)	;External reference to \$\$DS^PSSDSAPI supported by DBIA 5425	
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	N/A	
Output Attribute Name and Definition	N/A	
Current Logic		
This routine is the entry point for dosing order checks for new order, copy ,renew, edit, and reinstatement of Outpatient Pharmacy drug-drug and duplicate therapy order checks.		
Modified Logic (Changes are in bold)		

6.2.9.1.15 Functional Requirement 1 (2.6.2.1)

The general dosing information message shall be comprised of the following:

- Drug Name
- FDB DoseRouteDescription
- FDB DoseLow or FDB DoseFormLow
- FDB DoseLowUnit or FDB DoseFormLowUnit
- FDB DoseHigh or FDB DoseFormHigh
- FDB DoseHighUnit or FDB DoseFormHighUnit
- FDB MaxDailyDose or FDB MaxDailyDoseForm
- FDB MaxDailyDoseUnit or FDB MaxDailyDoseFormUnit

6.2.9.1.16 Functional Requirement 2 (2.6.2.2)

The message format shall be defined as follows:

```
'General dosing range for' DRUG NAME (FDB DoseRouteDescription): DoseLow<sp>DoseLowUnit  
'to' DoseHigh<sp>DoseHighUnit. 'Maximum daily dose is 'MaxDailyDose<sp>MaxDailyDoseUnit.
```

Or

```
'General dosing range for' DRUG NAME (FDB DoseRouteDescription):  
DoseFormLow<sp>DoseFormLowUnit 'to' DoseFormHigh<sp>DoseFormHighUnit. 'Maximum daily  
dose is 'MaxDailyDoseForm<sp>MaxDailyDoseFormUnit.
```

See example that follows:

```
General dosing range for GABAPENTIN 600MG TAB (ORAL): 300 milligrams per day to 1800  
milligrams per day. Maximum daily dose is 1800 milligrams per day.
```

Or

```
General dosing range for GABAPENTIN 600MG TAB (ORAL): 0.5 each per day to 3 each per  
day. Maximum daily dose is 3 each per day.
```


6.2.9.1.16.1 Functional Requirement 1 (2.6.2.2.1)

If a DoseRouteDescription is not returned from FDB, no Dose Route shall be included in the general dosing information message. See below:

```
'General dosing range for' DRUG NAME: DoseLow<sp>DoseLowUnit 'to'  
DoseHigh<sp>DoseHighUnit. 'Maximum daily dose is 'MaxDailyDose<sp>MaxDailyDoseUnit.
```

Or

```
'General dosing range for' DRUG NAME: DoseFormLow<sp>DoseFormLowUnit 'to'  
DoseFormHigh<sp>DoseFormHighUnit. 'Maximum daily dose is  
'MaxDailyDoseForm<sp>MaxDailyDoseFormUnit.
```

Note:	If Dosing Order Checks are returned without a DoseRouteDescription that means that a FDB MIN/Max dosing record was used to perform the Dosing Order Check. Min/Max dosing records are not specific for a dose route or dose type.
	

6.2.9.1.16.2 Functional Requirement 2 (2.6.2.2.2)

If the FDB DoseLow and FDB DoseHigh values are the same, display the FDB DoseHigh value only.

```
General dosing range for CLOPIDOGREL 75MG TAB (ORAL): 75 milligrams per day. Maximum  
daily dose is 75 milligrams per day.
```

6.2.9.1.16.3 Functional Requirement 3 (2.6.2.2.3)

If the FDB DoseFormLow and FDB DoseFormHigh values are the same, display the FDB DoseFormHigh value only.

```
General dosing range for CLOPIDOGREL 75MG TAB (ORAL): 1 each per day. Maximum daily dose  
is 1 each per day.
```

6.2.9.1.17 Functional Requirement 3 (2.6.2.3)

The DOSE FORM INDICATOR field (#3) in the DOSE UNITS file (#51.24) shall indicate whether or not the Dose Form type values shall be used.

6.2.9.1.18 Functional Requirement 4 (2.6.2.4)

The following display rules shall be applied for the DoseLow, DoseFormLow, DoseHigh, DoseFormHigh, MaxDailyDose, and MaxDailyDoseForm values:

- If after a decimal only zeros exist, do not return (i.e. 600.0 or 600.00 display 600)
- Maintain leading zeros (i.e. 0.25)
- Round to 3 decimal places. If result is '0' after 3 decimal places, return all 5 decimal places (i.e. Result = 0.00042; rounding result to 3 decimal places = 0.000; software shall display 0.00042).

6.2.9.1.19 Functional Requirement 5 (2.6.2.5)

General dosing information messages shall be displayed when the Max Daily Dose Order Check cannot be performed.

6.2.9.1.20 Functional Requirement 6 (2.6.2.6)

General dosing information messages shall be displayed when both the Max Single Dose Order Check and Max Daily Dose Order Check cannot be performed.

6.2.9.1.21 Functional Requirement 7 (2.6.2.7)

General dosing information messages shall not be displayed for orders with a dose type of 'Single Dose'.

6.2.9.1.22 Functional Requirement 8 (2.6.2.8)

General dosing information messages shall not be displayed with FDB messages that have a severity of 'Not Screened' or 'Warning'.

6.2.9.1.23 Functional Requirement 9 (2.6.2.9)

If a Maximum Single Dose Order Check warning is generated for any order entered through CPRS that has a schedule that has been excluded from Daily Dose Order Checks, general dosing information messages shall be displayed with the Maximum Single Dose Order Check warning.

6.2.9.1.24 Functional Requirement 10 (2.6.2.10)

If a Maximum Single Dose Order Check warning is generated for any order entered through Pharmacy backdoor options that has a schedule that has been excluded from Daily Dose Order Checks, general dosing information messages shall be displayed with the Maximum Single Dose Order Check warning.

6.2.9.1.25 Functional Requirement 11 (2.6.2.11)

If a Maximum Single Dose Order Check cannot be performed and an error message is generated for any order entered through CPRS that has a schedule that has been excluded from Daily Dose Order Checks, general dosing information messages shall be displayed with the order level error message.

6.2.9.1.26 Functional Requirement 12 (2.6.2.12)

If a Maximum Single Dose Order Check cannot be performed and an error message is generated for any order entered through Pharmacy backdoor options that has a schedule that has been excluded from Daily Dose Order Checks, general dosing information messages shall be displayed with the order level error message.

Routines	Activities
Routine Name	PSODOSN

Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
RTM	2.6.2.1, 2.6.2.2, 2.6.2.2.1, 2.6.2.2.2, 2.6.2.2.3, 2.6.2.3, 2.6.2.4, 2.6.2.5, 2.6.2.6, 2.6.2.7, 2.6.2.8, 2.6.2.9, 2.6.2.10, 2.6.2.11, 2.6.2.12	
Related Options	Patient Prescription Processing [PSO LM BACKDOOR ORDERS] Complete Orders from OERR [PSO LMOE FINISH] Discontinue Prescription(s) [PSO C] EDIT PRESCRIPTIONS [PSO RXEDIT]	
Related Routines	Routines “Called By”	Routines “Called”
		EN^PSODOSU2, \$\$GETGN^PSODOSUN, DATA^PSS50, SIG^XUSESIG
Routines	Activities	
Data Dictionary (DD) References	N/A	
Related Protocols	N/A	
Related Integration Control Registrations (ICRs)	N/A	
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	N/A	
Output Attribute Name and Definition	N/A	
Current Logic		
This routine contains dose check utilities and used in parsing data returned from FDB.		
Modified Logic (Changes are in bold)		

Routines	Activities
Routine Name	PSODOSU2
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change
RTM	2.6.2.1, 2.6.2.2, 2.6.2.2.1, 2.6.2.2.2, 2.6.2.2.3, 2.6.2.3, 2.6.2.4, 2.6.2.5, 2.6.2.6, 2.6.2.7, 2.6.2.8, 2.6.2.9, 2.6.2.10, 2.6.2.11, 2.6.2.12

Related Options	Patient Prescription Processing [PSO LM BACKDOOR ORDERS] Complete Orders from OERR [PSO LMOE FINISH] Discontinue Prescription(s) [PSO C] EDIT PRESCRIPTIONS [PSO RXEDIT]				
Related Routines	Routines “Called By”		Routines “Called”		
	PSODOSUN		PSODOSUT		
Routines	Activities				
Data Dictionary (DD) References	^TMP				
Related Protocols	N/A				
Related Integration Control Registrations (ICRs)	N/A				
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local				
Input Attribute Name and Definition	N/A				
Output Attribute Name and Definition	N/A				
Current Logic					
This routine parses data returned from Pharmacy Data Management as a result of a call to First Data Bank (FDB) for drug-drug and duplicate therapy order checks. The data is displayed to the user during order entry processing					
Modified Logic (Changes are in bold)					

Routines	Activities
Routine Name	PSODOSUT
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change
RTM	2.6.1.1, 2.6.1.2, 2.6.1.3, 2.6.1.4, 2.6.1.5, 2.6.1.5.1, 2.6.1.5.2, 2.6.1.5.2.1, 2.6.1.6, 2.6.1.7, 2.6.1.8, 2.6.1.9, 2.6.1.9.1, 2.6.1.10, 2.6.1.11, 2.6.1.12, 2.6.1.13, 2.6.1.14
Related Options	Patient Prescription Processing [PSO LM BACKDOOR ORDERS] Complete Orders from OERR [PSO LMOE FINISH] Discontinue Prescription(s) [PSO C] EDIT PRESCRIPTIONS [PSO RXEDIT]

Related Routines	Routines “Called By”	Routines “Called”		
	PSOCAN2, PSODOSU2, PSOLBLD, PSOLLL8, PSOORED3, PSOORED4, PSOORED5, PSOORED6, PSOORNE1, PSOORNEW, PSORENW0, PSOVER1	PSOCAN4, PSODGDG1, PSODOSCL, PSODOSUN, PSORXI, PSSDSAPI, XUSESIG		
Routines	Activities			
Data Dictionary (DD) References	52, ^TMP, ^UTILITY, ^XUSEC			
Related Protocols	N/A			
Related Integration Control Registrations (ICRs)	;External reference to \$\$DS^PSSDSAPI supported by DBIA 5425			
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local			
Input Attribute Name and Definition	N/A			
Output Attribute Name and Definition	N/A			
Current Logic				
This routine is the entry point for dosing order checks for new order, copy ,renew, edit, and reinstatement of Outpatient Pharmacy drug-drug and duplicate therapy order checks.				
Modified Logic (Changes are in bold)				

Routines	Activities	
Routine Name	To Be Determined	
Enhancement Category	<input type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
RTM	2.6.2.1, 2.6.2.2, 2.6.2.2.1, 2.6.2.2.2, 2.6.2.2.3, 2.6.2.3, 2.6.2.4, 2.6.2.5, 2.6.2.6, 2.6.2.7, 2.6.2.8, 2.6.2.9, 2.6.2.10, 2.6.2.11, 2.6.2.12	
Related Options		
Related Routines	Routines “Called By”	Routines “Called”

Routines	Activities
Data Dictionary (DD) References	
Related Protocols	
Related Integration Control Registrations (ICRs)	
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local
Input Attribute Name and Definition	Name: Definition:
Output Attribute Name and Definition	Name: Definition:
Current Logic	
Modified Logic (Changes are in bold)	

6.2.10 System Level Error Message Changes (RSD 2.6.3)

RSD 2.6.3.1, 2.6.3.2, 2.6.3.3, 2.6.3.4, 2.6.3.5


This section will document all the system level error message changes for MOCHA v2.1. A listing of all system level error messages displayed in MOCHA v2.1 is available in Appendix A2 of this document.

Associated CR 5704 is addressed by requirements in this section for system level error messages.

6.2.10.1.1 Functional Requirement 1 (2.6.3.1)

If Dosing Order Checks have been disabled, the system level error message displayed to the pharmacy user through backdoor Pharmacy options shall be the following:

Dosing Checks are not available; please complete a manual check for appropriate Dosing.

Note:	Dosing Order Checks are disabled using the <i>Enable/Disable Dosing Order Checks</i> [PSS Dosing Order Checks] option.
	

6.2.10.1.2 Functional Requirement 2 (2.6.3.2)


If Dosing Order Checks cannot be performed because the vendor database cannot be reached, the system level error message displayed to the pharmacy user through backdoor Pharmacy options shall be the following:

Dosing Checks could not be performed.
Reason(s): Vendor Database cannot be reached

6.2.10.1.3 Functional Requirement 3 (2.6.3.3)

If Dosing Order Checks cannot be performed because the vendor database has been disabled, the system level error message displayed to the pharmacy user through backdoor Pharmacy options shall be the following:

Dosing Checks could not be performed.
Reason(s): The connection to the vendor database has been disabled.

Note:	Vendor database is disabled using the <i>Enable/Disable Vendor Database Link</i> [PSS ENABLE/DISABLE DB LINK] option.
	

6.2.10.1.4 Functional Requirement 4 (2.6.3.4)

If Dosing Order Checks cannot be performed because vendor database updates are being processed, the system level error message displayed to the pharmacy user through backdoor Pharmacy options shall be the following:

Dosing Checks could not be performed.
Reason(s): Vendor database updates are being processed.

6.2.10.1.5 Functional Requirement 5 (2.6.3.5)

If Dosing Order Checks cannot be performed because an unexpected error has occurred, the system level error message displayed to the pharmacy user through backdoor Pharmacy options shall be the following:

Dosing Checks could not be performed.
Reason(s): An unexpected error has occurred

Routines	Activities	
Routine Name	PSODOSN	
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
RTM	2.6.3.1, 2.6.3.2, 2.6.3.3, 2.6.3.4, 2.6.3.5	
Related Options	Patient Prescription Processing [PSO LM BACKDOOR ORDERS] Complete Orders from OERR [PSO LMOE FINISH] Discontinue Prescription(s) [PSO C] EDIT PRESCRIPTIONS [PSO RXEDIT]	
Related Routines	Routines "Called By"	Routines "Called"
		EN^PSODOSU2, \$\$GETGN^PSODOSUN, DATA^PSS50, SIG^XUSESIG

Routines	Activities
Data Dictionary (DD) References	N/A
Related Protocols	N/A
Related Integration Control Registrations (ICRs)	N/A
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local
Input Attribute Name and Definition	N/A
Output Attribute Name and Definition	N/A
Current Logic	
This routine contains dose check utilities and used in parsing data returned from FDB.	
Modified Logic (Changes are in bold)	

Routines	Activities	
Routine Name	PSODOSU2	
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
RTM	2.6.3.1, 2.6.3.2, 2.6.3.3, 2.6.3.4, 2.6.3.5	
Related Options	Patient Prescription Processing [PSO LM BACKDOOR ORDERS] Complete Orders from OERR [PSO LMOE FINISH] Discontinue Prescription(s) [PSO C] EDIT PRESCRIPTIONS [PSO RXEDIT]	
Related Routines	Routines "Called By"	Routines "Called"
	PSODOSUN	PSODOSUT
Routines	Activities	
Data Dictionary (DD) References	^TMP	
Related Protocols	N/A	
Related Integration Control Registrations (ICRs)	N/A	

Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local
Input Attribute Name and Definition	N/A
Output Attribute Name and Definition	N/A
Current Logic	
This routine parses data returned from Pharmacy Data Management as a result of a call to First Data Bank (FDB) for drug-drug and duplicate therapy order checks. The data is displayed to the user during order entry processing	
Modified Logic (Changes are in bold)	

Routines	Activities	
Routine Name	PSODOSUT	
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
RTM	2.6.3.1, 2.6.3.2, 2.6.3.3, 2.6.3.4, 2.6.3.5	
Related Options	Patient Prescription Processing [PSO LM BACKDOOR ORDERS] Complete Orders from OERR [PSO LMOE FINISH] Discontinue Prescription(s) [PSO C] EDIT PRESCRIPTIONS [PSO RXEDIT]	
Related Routines	Routines "Called By"	Routines "Called"
	PSOCAN2, PSODOSU2, PSOLBLD, PSOLLL8, PSOORED3, PSOORED4, PSOORED5, PSOORED6, PSOORNE1, PSOORNEW, PSORENW0, PSOVER1	PSOCAN4, PSODGDG1, PSODOSCL, PSODOSUN, PSORXI, PSSDSAPI, XUSESIG
Routines	Activities	
Data Dictionary (DD) References	52, ^TMP, ^UTILITY, ^XUSEC	
Related Protocols	N/A	
Related Integration Control Registrations (ICRs)	;External reference to \$\$DS^PSSDSAPI supported by DBIA 5425	
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	

Input Attribute Name and Definition	N/A
Output Attribute Name and Definition	N/A
Current Logic	
This routine is the entry point for dosing order checks for new order, copy ,renew, edit, and reinstatement of Outpatient Pharmacy drug-drug and duplicate therapy order checks.	
Modified Logic (Changes are in bold)	

Routines	Activities	
Routine Name	To Be Determined	
Enhancement Category	<input type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
RTM	2.6.3.1, 2.6.3.2, 2.6.3.3, 2.6.3.4, 2.6.3.5	
Related Options		
Related Routines	Routines “Called By”	Routines “Called”
Routines	Activities	
Data Dictionary (DD) References		
Related Protocols		
Related Integration Control Registrations (ICRs)		
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	Name: Definition:	
Output Attribute Name and Definition	Name: Definition:	
Current Logic		
Modified Logic (Changes are in bold)		

Order Level Error Messages Changes (RSD 2.6.4)

RSD 2.6.4.1, 2.6.4.2, 2.6.4.3, 2.6.4.4, 2.6.4.5, 2.6.4.5.1, 2.6.4.6, 2.6.4.6.1, 2.6.4.7, 2.6.4.7.1, 2.6.4.8, 2.6.4.9, 2.6.4.10, 2.6.4.10.1, 2.6.4.11, 2.6.4.11.1, 2.6.4.12, 2.6.4.12.1, 2.6.4.13, 2.6.4.14, 2.6.4.15, 2.6.4.16, 2.6.4.17, 2.6.4.17.1, 2.6.4.17.2, 2.6.4.18, 2.6.4.19, 2.6.4.20, 2.6.4.21, 2.6.4.22, 2.6.4.23, 2.6.4.24, 2.6.4.25, 2.6.4.26, 2.6.4.27, 2.6.4.27.1, 2.6.4.27.2, 2.6.4.27.3, 2.6.4.27.4, 2.6.4.28, 2.6.4.29, 2.6.4.30, 2.6.4.31, 2.6.4.32, 2.6.4.33, 2.6.4.34, 2.6.4.35, 2.6.4.36

This section will document all the order level error message changes for MOCHA v2.1. A listing of all order level error and warning messages displayed in MOCHA v2.1 is available in Appendix A2 and A3 of this document.


Associated CR 4058, CR 3613, CR 3099, CR 5704, CR 3567, CR 3137, CR 5948, CR 5250, and CR 5777 are addressed by requirements in this section for order level error messages.

6.2.10.1.6 Functional Requirement 1 (2.6.4.1)

If the patient's age is not available, Dosing Order Checks will not be performed and the user through Pharmacy backdoor options shall see the following order level error message:

Age required (Pharmacy)

Dosing Checks could not be performed for Drug: <DRUG NAME>
Reason(s): One or more required patient parameters unavailable: AGE


Note:	General dosing information cannot be provided because age is a required parameter.
	

6.2.10.1.7 Functional Requirement 2 (2.6.4.2)

If the patient's age is not available, Dosing Order Checks will not be performed and the user through CPRS shall see the following order level error message without a specific reason:

Age required (CPRS)

Dosing Checks could not be done for Drug: <DRUG NAME>, please complete a manual check for appropriate Dosing.

Note:	General dosing information cannot be provided because age is a required parameter.
	

6.2.10.1.8 Functional Requirement 3 (2.6.4.3)

If the patient's weight is not available and a weight is required for a Max Daily Dose Order Check to be performed, an order level error message along with general dosing information messages shall be displayed to the user through Pharmacy backdoor options. (Outpatient)

Weight required (Pharmacy)

Max Daily Dose Check could not be performed for Drug: GENTAMICIN 40MG/ML 2ML INJ
Reason(s): Weight required

General dosing range for GENTAMICIN 40MG/ML 2ML INJ (INTRAMUSCULAR): 1.5 milligrams per kilogram per day to 7 milligrams per kilogram per day. Maximum daily dose is 630 milligrams per day.

6.2.10.1.9 Functional Requirement 4 (2.6.4.4)

If both the Maximum Single Dose and Max Daily Dose Order Checks cannot be performed because a weight is required and the patient's weight is not available, only one error message with general dosing information messages shall be displayed to the user through Pharmacy backdoor options. (Outpatient)

Weight Required (Pharmacy)

Dosing Checks could not be performed for Drug: GENTAMICIN 40MG/ML 2ML INJ
Reason(s): Weight required

General dosing range for GENTAMICIN 40MG/ML 2ML INJ (INTRAMUSCULAR): 1.5 milligrams per kilogram per day to 7 milligrams per kilogram per day. Maximum daily dose is 630 milligrams per day.

6.2.10.1.10 Functional Requirement 5 (2.6.4.5)

If the patient's weight is not available and a weight is required for a Maximum Single Dose Order Check to be performed, an order level error message with a reason shall be displayed to the user through CPRS. (Outpatient)

6.2.10.1.10.1 Functional Requirement 1 (2.6.4.5.1)

The order level error message reason that shall be displayed when a weight is required but unavailable to the CPRS user is 'No weight documented for patient'.

Weight required (CPRS)

Maximum Single Dose Check could not be done for Drug: GENTAMICIN 40MG/ML 2ML INJ
Reason(s): No weight documented for patient

6.2.10.1.11 Functional Requirement 6 (2.6.4.6)

If the patient's weight is not available and a weight is required for a Max Daily Dose Order Check to be performed, an order level error message with a reason along with general dosing information messages shall be displayed to the user through CPRS.

6.2.10.1.11.1 Functional Requirement 1 (2.6.4.6.1)

The order level error message reason that shall be displayed when a weight is required but unavailable to the CPRS user is 'No weight documented for patient'.

Weight required (CPRS)

Max Daily Dose Check could not be done for Drug: GENTAMICIN 40MG/ML 2ML INJ
Reason(s): No weight documented for patient

General dosing range for GENTAMICIN 40MG/ML 2ML INJ (INTRAMUSCULAR): 1.5 milligrams per kilogram per day to 7 milligrams per kilogram per day. Maximum daily dose is 630 milligrams per day.

6.2.10.1.12 Functional Requirement 7 (2.6.4.7)

If both the Maximum Single Dose Order Check and Max Daily Dose Order Check cannot be performed because a weight is required and the patient's weight is not available, only one error message with a reason along with general dosing information messages shall be displayed to the user through CPRS.

6.2.10.1.12.1 Functional Requirement (2.6.4.7.1)

The order level error message reason that shall be displayed when a weight is required but unavailable to the CPRS user is 'No weight documented for patient'.

Weight required (CPRS)

```
Dosing Checks could not be done for Drug: GENTAMICIN 40MG/ML 2ML INJ
Reason(s): No weight documented for patient

General dosing range for GENTAMICIN 40MG/ML 2ML INJ (INTRAMUSCULAR): 1.5 milligram per
kilogram per day to 7 milligram per kilogram per day. Maximum daily dose is 630
milligram per day.
```

6.2.10.1.13 Functional Requirement 8 (2.6.4.8)

If the patient's Body Surface Area (BSA) is not available because a height and/or weight was not available to perform the calculation and a BSA is required for a Max Daily Dose Order Check to be performed, an order level error message along with general dosing information messages shall be displayed to the user through Pharmacy backdoor options.

BSA required (Pharmacy)

```
Max Daily Dose Check could not be performed for Drug: LOMUSTINE 100MG CAP
Reason(s): Body surface area required

General dosing range for LOMUSTINE 100MG CAP (ORAL): 100 milligrams per meter squared
per day to 130 milligrams per meter squared per day. Maximum daily dose is 261.780
milligrams per day.
```

6.2.10.1.14 Functional Requirement 9 (2.6.4.9)

If both the Maximum Single Dose Order Check and the Max Daily Dose Order Check cannot be performed because a BSA is required and the patient's weight and/or height is not available, only one error message along with general dosing information messages shall be displayed to the user.

BSA required (Pharmacy)

```
Dosing Checks could not be performed for Drug: <Drug Name>
Reason(s): Body surface area required

General dosing range for LOMUSTINE 100MG CAP (ORAL): 100 milligrams per meter squared
per day to 130 milligrams per meter squared per day. Maximum daily dose is 261.780
milligrams per day.
```

6.2.10.1.15 Functional Requirement 10 (2.6.4.10)

If the patient's BSA is not available because a height and/or weight was not available to perform the calculation and a BSA is required for a Maximum Single Dose Order Check to be performed, an order level error message with a reason shall be displayed to the user through CPRS.

6.2.10.1.15.1 Functional Requirement 1 (2.6.4.10.1)

The order level error message reason that shall be displayed to the CPRS user when a BSA is required but the height and/or weight was unavailable is 'No weight and/or height documented for patient'.

BSA required (CPRS)

```
Maximum Single Dose Check could not be done for Drug: LOMUSTINE 100MG CAP
Reason(s): No weight and/or height documented for patient
```

6.2.10.1.16 Functional Requirement 11 (2.6.4.11)

If the patient's BSA is not available because a height and/or weight was not available to perform the calculation and a BSA is required for a Max Daily Dose Order Check to be performed, an order level error message with a reason along with general dosing information messages shall be displayed to the user through CPRS.

6.2.10.1.16.1 Functional Requirement 1 (2.6.4.11.1)

The order level error message reason that shall be displayed to the CPRS user when a BSA is required but the height and/or weight was unavailable is 'No weight and/or height documented for patient'.

BSA required (CPRS)

```
Max Daily Dose Check could not be done for Drug: LOMUSTINE 100MG CAP
Reason(s): No weight and/or height documented for patient

General dosing range for LOMUSTINE 100MG CAP (ORAL): 100 milligrams per meter squared
per day to 130 milligrams per meter squared per day. Maximum daily dose is 261.780
milligrams per day.
```

6.2.10.1.17 Functional Requirement 12 (2.6.4.12)

If both the Maximum Single Dose Order Check and Max Daily Dose Order Check cannot be performed because a BSA is required and the patient's weight and/or height is not available, only one error message with a reason along with general dosing information messages shall be displayed to the CPRS user.

6.2.10.1.17.1 Functional Requirement 1 (2.6.4.12.1)

The order level error message reason that shall be displayed to the CPRS user when a BSA is required but the height and/or weight was unavailable is 'No weight and/or height documented for patient'.

BSA required (CPRS)

```
Dosing Checks could not be done for Drug: LOMUSTINE 100MG CAP
Reason(s): No weight and/or height documented for patient


General dosing range for LOMUSTINE 100MG CAP (ORAL): 100 milligrams per meter squared
per day to 130 milligrams per meter squared per day. Maximum daily dose is 261.780
milligrams per day.
```

6.2.10.1.18 Functional Requirement 13 (2.6.4.13)

If Dosing Order Checks cannot be performed because a FDB Dose Route cannot be determined, an order level error message shall be displayed to the user through Pharmacy backdoor options.

FDB Dose Route Undefined (Pharmacy)

```
Dosing Checks could not be performed for Drug: GABAPENTIN 600MG TAB
Reason(s): Invalid or Undefined Dose Route
```


Note:	General dosing information cannot be provided if the medication route is not defined.
	

6.2.10.1.19 Functional Requirement 14 (2.6.4.14)

If Dosing Order Checks cannot be performed because a FDB Dose Route cannot be determined, an order level error message without a specific reason shall be displayed to the user through CPRS.

FDB Dose Route Undefined (CPRS)

Dosing Checks could not be done for Drug: GABAPENTIN 600MG TAB, please complete a manual check for appropriate Dosing.

Note:	General dosing information cannot be provided if the medication route is not defined.
	

6.2.10.1.20 Functional Requirement 15 (2.6.4.15)

If a Max Daily Dose Order Check cannot be performed because the frequency for the order is invalid or undefined, an order level error message along with general dosing information messages shall be displayed to the user through Pharmacy backdoor options.

Frequency Invalid or undefined (Pharmacy)

Max Daily Dose Check could not be performed for Drug: GABAPENTIN 600MG TAB
Reason(s): Invalid or Undefined Frequency

General dosing range for GABAPENTIN 600MG TAB (ORAL): 300 milligrams per day to 1800 milligrams per day. Maximum daily dose is 1800 milligrams per day.

6.2.10.1.21 Functional Requirement 16 (2.6.4.16)

If a Max Daily Dose Order Check cannot be performed because the frequency for the order is invalid or undefined, an order level error message without a specific reason along with general dosing information messages shall be displayed to the user through CPRS.

Frequency Invalid or undefined (CPRS)

Max Daily Dose Check could not be done for Drug: GABAPENTIN 600MG TAB, please complete a manual check for appropriate Dosing.

General dosing range for GABAPENTIN 600MG TAB (ORAL): 300 milligrams per day to 1800 milligrams per day. Maximum daily dose is 1800 milligrams per day.

6.2.10.1.22 Functional Requirement 17 (2.6.4.17)

In order to obtain general dosing information for a drug when a frequency could not be determined, the following 'dummy data' shall be sent into the interface for the Dosing Order Checks.

6.2.10.1.22.1 Functional Requirement 1 (2.6.4.17.1)

The duration rate shall be set to the dose rate value (as determined from the order) and sent into the interface.

6.2.10.1.22.2 Functional Requirement 2 (2.6.4.17.2)

The value of '1' shall be sent into the interface for the frequency and duration.

6.2.10.1.23 Functional Requirement 18 (2.6.4.18)

No messages referencing the Max Daily Dose Order Check returned from the Dosing Order Check using 'dummy data' to obtain general dosing information for a drug when a frequency could not be determined shall be displayed to the user.

6.2.10.1.24 Functional Requirement 19 (2.6.4.19)

If the frequency calculated from an order's schedule is greater than the order duration (i.e. Q4H for 2 hours), a Max Daily Dose Order Check shall not be performed and an order level error message along with general dosing information messages shall be displayed to the user through Pharmacy backdoor options.

Frequency greater than order duration (Pharmacy)

```
Max Daily Dose Check could not be performed for Drug: GABAPENTIN 600MG TAB
Reason(s): Frequency greater than order duration

General dosing range for GABAPENTIN 600MG TAB (ORAL): 300 milligrams per day to 1800
milligrams per day. Maximum daily dose is 1800 milligrams per day.
```

6.2.10.1.25 Functional Requirement 20 (2.6.4.20)

If the frequency calculated from an order's schedule is greater than the order duration (i.e. Q4H for 2 hours), a Max Daily Dose Order Check shall not be performed, and an order level error message without a specific reason along with general dosing information message shall be displayed to the user through CPRS.

Frequency greater than order duration (CPRS)

```
Max Daily Dose Check could not be done for Drug: GABAPENTIN 600MG TAB, please complete a
manual check for appropriate Dosing.

General dosing range for GABAPENTIN 600MG TAB (ORAL): 300 milligrams per day to 1800
milligrams per day. Maximum daily dose is 1800 milligrams per day.
```

6.2.10.1.26 Functional Requirement 21 (2.6.4.21)

If Dosing Order Checks cannot be performed because the single dose amount cannot be determined, an order level error message along with general dosing information messages shall be displayed to the user through Pharmacy backdoor options.

Single Dose Amount cannot be determined (Pharmacy)

```
Dosing Checks could not be performed for Drug: GABAPENTIN 600MG TAB
Reason(s): Free Text Dosage could not be evaluated.

General dosing range for GABAPENTIN 600MG TAB (ORAL): 300 milligrams per day to 1800
milligrams per day. Maximum daily dose is 1800 milligrams per day.
```

6.2.10.1.27 Functional Requirement 22 (2.6.4.22)

If Dosing Order Checks cannot be performed because the single dose amount cannot be determined, an order level error message without a specific reason along with general dosing information messages shall be displayed to the user through CPRS.

Single Dose Amount cannot be determined (CPRS)

```
Dosing Checks could not be done for Drug: <Drug Name>, please complete a manual check
for appropriate Dosing.

'General dosing range for' DRUG NAME (FDB DoseRouteDescription): DoseLow<sp>DoseLowUnit
'to' DoseHigh<sp>DoseHighUnit. 'Maximum daily dose is 'MaxDailyDose<sp>MaxDailyDoseUnit.
```

Or

```
Dosing Checks could not be done for Drug: <Drug Name>, please complete a manual check for appropriate Dosing.
```

```
'General dosing range for' DRUG NAME (FDB DoseRouteDescription):  
DoseFormLow<sp>DoseFormLowUnit 'to' DoseFormHigh<sp>DoseFormHighUnit. 'Maximum daily  
dose is 'MaxDailyDoseForm<sp>MaxDailyDoseFormUnit.
```

6.2.10.1.28 Functional Requirement 23 (2.6.4.23)

If Dosing Order Checks cannot be performed because the Dose Unit cannot be determined, an order level error message along with general dosing information messages shall be displayed to the user through Pharmacy backdoor options.

Dose Units cannot be determined (Pharmacy)

```
Dosing Checks could not be performed for Drug: GABAPENTIN 600MG TAB  
Reason(s): Free Text Dosage could not be evaluated.
```

```
General dosing range for GABAPENTIN 600MG TAB (ORAL): 300 milligrams per day to 1800  
milligrams per day. Maximum daily dose is 1800 milligrams per day.
```

6.2.10.1.29 Functional Requirement 24 (2.6.4.24)

If Dosing Order Checks cannot be performed because the Dose Unit cannot be determined, an order level error message without a specific reason along with general dosing information messages shall be displayed to the user through CPRS.

Dose Unit cannot be determined (CPRS)

```
Dosing Checks could not be done for Drug: <Drug Name>, please complete a manual check for appropriate Dosing.
```

```
'General dosing range for' DRUG NAME (FDB DoseRouteDescription): DoseLow<sp>DoseLowUnit  
'to' DoseHigh<sp>DoseHighUnit. 'Maximum daily dose is 'MaxDailyDose<sp>MaxDailyDoseUnit.
```

Or

```
Dosing Checks could not be done for Drug: <Drug Name>, please complete a manual check for appropriate Dosing.
```

```
'General dosing range for' DRUG NAME (FDB DoseRouteDescription):  
DoseFormLow<sp>DoseFormLowUnit 'to' DoseFormHigh<sp>DoseFormHighUnit. 'Maximum daily  
dose is 'MaxDailyDoseForm<sp>MaxDailyDoseFormUnit.
```

6.2.10.1.30 Functional Requirement 25 (2.6.4.25)

If Dosing Order Checks cannot be performed because a local possible dosage (LPD) defined for a dispense drug is selected for an order which does not have a numeric dose and dose unit defined, and for which a numeric dose and dose unit cannot be derived using the free text logic, an order level error message along with general dosing information messages shall be displayed to the user through Pharmacy backdoor options.

Single Dose Amount & Dose Unit cannot be derived from LPD (Pharmacy)

```
Dosing Checks could not be performed for Drug: GABAPENTIN 600MG TAB  
Reason(s): Free Text Dosage could not be evaluated.
```

```
General dosing range for GABAPENTIN 600MG TAB (ORAL): 300 milligrams per day to 1800  
milligrams per day. Maximum daily dose is 1800 milligrams per day.
```

6.2.10.1.31 Functional Requirement 26 (2.6.4.26)

If Dosing Order Checks cannot be performed because a local possible dosage defined for a dispense drug is selected for an order which does not have a numeric dose and dose unit defined, and for which a numeric dose and dose unit cannot be derived using the free text logic, an order

level error message without a specific reason along with general dosing information messages shall be displayed to the user through CPRS.

Single Dose Amount & Dose Unit cannot be derived from LPD (CPRS)

```
Dosing Checks could not be done for Drug: <Drug Name>, please complete a manual check for appropriate Dosing.
```

```
'General dosing range for' DRUG NAME (FDB DoseRouteDescription): DoseLow<sp>DoseLowUnit 'to' DoseHigh<sp>DoseHighUnit. 'Maximum daily dose is 'MaxDailyDose<sp>MaxDailyDoseUnit.
```

Or

```
Dosing Checks could not be done for Drug: <Drug Name>, please complete a manual check for appropriate Dosing.
```

```
'General dosing range for' DRUG NAME (FDB DoseRouteDescription): DoseFormLow<sp>DoseFormLowUnit 'to' DoseFormHigh<sp>DoseFormHighUnit. 'Maximum daily dose is 'MaxDailyDoseForm<sp>MaxDailyDoseFormUnit.
```

6.2.10.1.32 Functional Requirement 27 (2.6.4.27)

In order to obtain general dosing information for a dispense drug for which a dosage ordered could not be evaluated the following 'dummy data' shall be sent into the interface.

6.2.10.1.32.1 Functional Requirement 1 (2.6.4.27.1)

The value of '1' shall be sent into the interface for the single dose amount.

6.2.10.1.32.2 Functional Requirement 2 (2.6.4.27.2)

The following logic shall be used to determine the dose unit.

- a. Retrieve the drug unit from the Dispense Drug's VA Product match and do a look up on the NAME, SYNONYM, and FIRST DATABANK DOSE UNIT fields in the DOSE UNITS file (#51.24). If an exact match is found get the FDB dose unit equivalent and send to interface.
- b. If nothing is found in (a), loop through all local possible dosages for the dispense drug to find a dose unit. If found, send FDB dose unit equivalent to interface.
- c. If nothing is found in (b), look at the nouns associated with the orderable item's dosage form. Do a lookup on the NAME, SYNONYM, and FIRST DATABANK DOSE UNIT fields in the DOSE UNITS file using the nouns to see if a match can be made. If found, send the FDB dose unit equivalent to the interface.
- d. If nothing is found in (c) send 'EACH' to the interface for dose unit.

6.2.10.1.32.3 Functional Requirement 3 (2.6.4.27.3)

The value of 'DAY' shall be sent into the interface for dose rate and duration rate.

6.2.10.1.32.4 Functional Requirement 4 (2.6.4.27.4)

The value of '1' shall be sent into the interface for frequency and duration.

6.2.10.1.33 Functional Requirement 28 (2.6.4.28)

If a free text dosage is entered through CPRS for a multi-ingredient product for which a dispense drug cannot be determined; more than one dispense drug is associated with the orderable item; and none of the dosing order check exclusion criteria apply, no general dosing information shall be returned to CPRS.

6.2.10.1.34 Functional Requirement 29 (2.6.4.29)

If a free text dosage is entered through CPRS for a single ingredient or multi-ingredient product where the derived dose unit is a dose form type for which a dispense drug cannot be determined; more than one dispense drug is associated with the orderable item; and none of the dosing order check exclusion criteria apply, no general dosing information shall be returned to CPRS.

6.2.10.1.35 Functional Requirement 30 (2.6.4.30)

FDB messages with a severity of 'Not Screened' shall be treated as order level error messages and displayed to the user through the Pharmacy backdoor.

FDB messages with severity of 'Not Screened' (Pharmacy)

```
Dosing Order Check could not be performed for Drug: <DRUG NAME>  
Reason(s): FDB dosing information is not available for this drug.
```

6.2.10.1.36 Functional Requirement 31 (2.6.4.31)

FDB messages with a severity of 'Not Screened' shall be treated as order level error messages and displayed without a specific reason to the user through CPRS.

FDB messages with severity of 'Not Screened' (CPRS)

```
Dosing Order Check could not be done for Drug: <DRUG NAME>, please complete a manual  
check for appropriate Dosing.
```

6.2.10.1.37 Functional Requirement 32 (2.6.4.32)

FDB messages with a severity of 'Warning' shall be treated as order level error messages and displayed to the user through the Pharmacy backdoor.

FDB messages with severity of 'Warning' (Pharmacy)

```
Dosing Order Check Warning for <DRUG NAME>:  
Dosing is not established for a patient of this age.
```

6.2.10.1.38 Functional Requirement 33 (2.6.4.33)

FDB messages with a severity of 'Warning' shall be treated as order level error messages and displayed to the user through CPRS.

FDB messages with severity of 'Warning' (CPRS)

```
Dosing Order Check Warning for <DRUG NAME>:  
Dosing is not established for a patient of this age.
```

6.2.10.1.39 Functional Requirement 34 (2.6.4.34)

A 'Press Return to Continue' shall be inserted so that the Dosing Order Check warnings, order level error messages, and general dosing information messages do not scroll off the screen during user review.

6.2.10.1.40 Functional Requirement 35 (2.6.4.35)

For a simple order, a top of form shall be performed before a Dosing Order Check warning is displayed.

6.2.10.1.41 Functional Requirement 36 (2.6.4.36)

For a simple order, all information for a Dosing Order Check warning shall be displayed in its entirety on a single screen.

Routines	Activities	
Routine Name	PSODOSN	
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
RTM	2.6.4.1, 2.6.4.2, 2.6.4.3, 2.6.4.4, 2.6.4.5, 2.6.4.5.1, 2.6.4.6, 2.6.4.6.1, 2.6.4.7, 2.6.4.7.1, 2.6.4.8, 2.6.4.9, 2.6.4.10, 2.6.4.10.1, 2.6.4.11, 2.6.4.11.1, 2.6.4.12, 2.6.4.12.1, 2.6.4.13, 2.6.4.14, 2.6.4.15, 2.6.4.16, 2.6.4.17, 2.6.4.17.1, 2.6.4.17.2, 2.6.4.18, 2.6.4.19, 2.6.4.20, 2.6.4.21, 2.6.4.22, 2.6.4.23, 2.6.4.24, 2.6.4.25, 2.6.4.26, 2.6.4.27, 2.6.4.27.1, 2.6.4.27.2, 2.6.4.27.3, 2.6.4.27.4, 2.6.4.28, 2.6.4.29, 2.6.4.30, 2.6.4.31, 2.6.4.32, 2.6.4.33, 2.6.4.34, 2.6.4.35, 2.6.4.36	
Related Options	Patient Prescription Processing [PSO LM BACKDOOR ORDERS] Complete Orders from OERR [PSO LMOE FINISH] Discontinue Prescription(s) [PSO C] EDIT PRESCRIPTIONS [PSO RXEDIT]	
Related Routines	Routines "Called By"	Routines "Called"
		EN^PSODOSU2, \$\$GETGN^PSODOSUN, DATA^PSS50, SIG^XUSESIG
Routines	Activities	
Data Dictionary (DD) References	N/A	
Related Protocols	N/A	
Related Integration Control Registrations (ICRs)	N/A	
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	N/A	
Output Attribute Name and Definition	N/A	
Current Logic		
This routine contains dose check utilities and used in parsing data returned from FDB.		
Modified Logic (Changes are in bold)		

Routines	Activities	
Routine Name	PSODOSU2	
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
RTM	2.6.4.1, 2.6.4.2, 2.6.4.3, 2.6.4.4, 2.6.4.5, 2.6.4.5.1, 2.6.4.6, 2.6.4.6.1, 2.6.4.7, 2.6.4.7.1, 2.6.4.8, 2.6.4.9, 2.6.4.10, 2.6.4.10.1, 2.6.4.11, 2.6.4.11.1, 2.6.4.12, 2.6.4.12.1, 2.6.4.13, 2.6.4.14, 2.6.4.15, 2.6.4.16, 2.6.4.17, 2.6.4.17.1, 2.6.4.17.2, 2.6.4.18, 2.6.4.19, 2.6.4.20, 2.6.4.21, 2.6.4.22, 2.6.4.23, 2.6.4.24, 2.6.4.25, 2.6.4.26, 2.6.4.27, 2.6.4.27.1, 2.6.4.27.2, 2.6.4.27.3, 2.6.4.27.4, 2.6.4.28, 2.6.4.29, 2.6.4.30, 2.6.4.31, 2.6.4.32, 2.6.4.33, 2.6.4.34, 2.6.4.35, 2.6.4.36	
Related Options	Patient Prescription Processing [PSO LM BACKDOOR ORDERS] Complete Orders from OERR [PSO LMOE FINISH] Discontinue Prescription(s) [PSO C] EDIT PRESCRIPTIONS [PSO RXEDIT]	
Related Routines	Routines "Called By"	Routines "Called"
	PSODOSUN	PSODOSUT
Routines	Activities	
Data Dictionary (DD) References	^TMP	
Related Protocols	N/A	
Related Integration Control Registrations (ICRs)	N/A	
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	N/A	
Output Attribute Name and Definition	N/A	
Current Logic		
This routine parses data returned from Pharmacy Data Management as a result of a call to First Data Bank (FDB) for drug-drug and duplicate therapy order checks. The data is displayed to the user during order entry processing		
Modified Logic (Changes are in bold)		

Routines	Activities	
Routine Name	PSODOSUT	
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
RTM	2.6.4.1, 2.6.4.2, 2.6.4.3, 2.6.4.4, 2.6.4.5, 2.6.4.5.1, 2.6.4.6, 2.6.4.6.1, 2.6.4.7, 2.6.4.7.1, 2.6.4.8, 2.6.4.9, 2.6.4.10, 2.6.4.10.1, 2.6.4.11, 2.6.4.11.1, 2.6.4.12, 2.6.4.12.1, 2.6.4.13, 2.6.4.14, 2.6.4.15, 2.6.4.16, 2.6.4.17, 2.6.4.17.1, 2.6.4.17.2, 2.6.4.18, 2.6.4.19, 2.6.4.20, 2.6.4.21, 2.6.4.22, 2.6.4.23, 2.6.4.24, 2.6.4.25, 2.6.4.26, 2.6.4.27, 2.6.4.27.1, 2.6.4.27.2, 2.6.4.27.3, 2.6.4.27.4, 2.6.4.28, 2.6.4.29, 2.6.4.30, 2.6.4.31, 2.6.4.32, 2.6.4.33, 2.6.4.34, 2.6.4.35, 2.6.4.36	
Related Options	Patient Prescription Processing [PSO LM BACKDOOR ORDERS] Complete Orders from OERR [PSO LMOE FINISH] Discontinue Prescription(s) [PSO C] EDIT PRESCRIPTIONS [PSO RXEDIT]	
Related Routines	Routines “Called By”	Routines “Called”
	PSOCAN2, PSODOSU2, PSOLBLD, PSOLLL8, PSOORED3, PSOORED4, PSOORED5, PSOORED6, PSOORNE1, PSOORNEW, PSORENW0, PSOVER1	PSOCAN4, PSODGDG1, PSODOSCL, PSODOSUN, PSORXI, PSSDSAPI, XUSESIG
Routines	Activities	
Data Dictionary (DD) References	52, ^TMP, ^UTILITY, ^XUSEC	
Related Protocols	N/A	
Related Integration Control Registrations (ICRs)	;External reference to \$\$DS^PSSDSAPI supported by DBIA 5425	
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	N/A	
Output Attribute Name and Definition	N/A	
Current Logic		
This routine is the entry point for dosing order checks for new order, copy ,renew, edit, and reinstatement of Outpatient Pharmacy drug-drug and duplicate therapy order checks.		

Modified Logic (Changes are in bold)		

Routines	Activities	
Routine Name	To Be Determined	
Enhancement Category	<input type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
RTM	2.6.4.1, 2.6.4.2, 2.6.4.3, 2.6.4.4, 2.6.4.5, 2.6.4.5.1, 2.6.4.6, 2.6.4.6.1, 2.6.4.7, 2.6.4.7.1, 2.6.4.8, 2.6.4.9, 2.6.4.10, 2.6.4.10.1, 2.6.4.11, 2.6.4.11.1, 2.6.4.12, 2.6.4.12.1, 2.6.4.13, 2.6.4.14, 2.6.4.15, 2.6.4.16, 2.6.4.17, 2.6.4.17.1, 2.6.4.17.2, 2.6.4.18, 2.6.4.19, 2.6.4.20, 2.6.4.21, 2.6.4.22, 2.6.4.23, 2.6.4.24, 2.6.4.25, 2.6.4.26, 2.6.4.27, 2.6.4.27.1, 2.6.4.27.2, 2.6.4.27.3, 2.6.4.27.4, 2.6.4.28, 2.6.4.29, 2.6.4.30, 2.6.4.31, 2.6.4.32, 2.6.4.33, 2.6.4.34, 2.6.4.35, 2.6.4.36	
Related Options		
Related Routines	Routines “Called By”	Routines “Called”
Routines	Activities	
Data Dictionary (DD) References		
Related Protocols		
Related Integration Control Registrations (ICRs)		
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	Name: Definition:	
Output Attribute Name and Definition	Name: Definition:	
Current Logic		
Modified Logic (Changes are in bold)		

Frequency (RSD 2.6.5)

RSD 2.6.5.1, 2.6.5.2, 2.6.5.3, 2.6.5.4, 2.6.5.4.1,, 2.6.5.4.2, 2.6.5.4.2, 2.6.5.4.3, 2.6.5.4.3.1, 2.6.5.5, 2.6.5.5.1, 2.6.5.5.2, 2.6.5.5.2.1, 2.6.5.5.3, 2.6.5.5.3.1, 2.6.5.5.4, 2.6.5.5.4.1, 2.6.5.5.5, 2.6.5.5.6, 2.6.5.5.6.1, 2.6.5.5.7, 2.6.5.6, 2.6.5.6.1, 2.6.5.6.1.1, 2.6.5.6.2, 2.6.5.7, 2.6.5.7.1, 2.6.5.7.2, 2.6.5.8, 2.6.5.9, 2.6.5.10, 2.6.5.11, 2.6.5.11.1, 2.6.5.11.2, 2.6.5.11.3, 2.6.5.11.4, 2.6.5.11.5, 2.6.5.11.6, 2.6.5.12, 2.6.5.12.1, 2.6.5.13

This section will describe the logic used to determine frequency for outpatient medication orders. Almost all, if not all of this frequency logic will be provided by the PDM application. The requirements are included in the document for convenient retrieval/referral.

Associated CR 5703, CR 6389, CR 3208, CR 3513, CR 4477, and CR 2677 are addressed by requirements in this section.


6.2.10.1.42 Functional Requirement 1 (2.6.5.1)

The frequency shall be derived from the VistA schedule associated with the order. The user can select from the ADMINISTRATION SCHEDULE file (#51.1), the MEDICATION INSTRUCTION file (#51) or can enter a free text value.

6.2.10.1.43 Functional Requirement 2 (2.6.5.2)

ADMINISTRATION SCHEDULE file (#51.1) lookup shall utilize the following fields and in the order in which they are displayed below:


- NAME field (#.01) in the ADMINISTRATION SCHEDULE file (#51.1)
- OLD SCHEDULE NAME(S) field in the ADMINISTRATION SCHEDULE file (#51.1)

Note:	The OLD SCHEDULE NAME(S) field is a new field that has been created in the ADMINISTRATION SCHEDULE file (#51.1). Please see section 2.6.13 in the M2-1_PDM_RSD_v2 for more information on this new field.
	

6.2.10.1.44 Functional Requirement 3 (2.6.5.3)

MEDICATION INSTRUCTION file (#51) lookup shall utilize the following fields and in the order in which they are displayed below:

- NAME field (#.01) in the MEDICATION INSTRUCTION file (#51)
- SYNONYM field (#.5) in the MEDICATION INSTRUCTION file (#51)
- OLD MED INSTRUCTION NAME(S) field in the MEDICATION INSTRUCTION file (#51)

Note:	The OLD MED INSTRUCTION NAME(S) field is a new field that has been created in the MEDICATION INSTRUCTION file (#51). Please see section 2.6.14 in the M2-1_PDM_RSD_v2 for more information on this new field.
	

6.2.10.1.45 Functional Requirement 4 (2.6.5.4)

If a '@' sign is found in the name of the schedule, the schedule shall be considered DAY OF THE WEEK.

6.2.10.1.45.1 Functional Requirement 1 (2.6.5.4.1)

The number of administration times, if defined after the '@' sign separated by '-', shall determine the frequency. An example of such a schedule is 'MO-WE-FR@09-17', where the frequency would be equal to '2'.

6.2.10.1.45.2 Functional Requirement 2 (2.6.5.4.2)

If there is no value after the '@' sign, the frequency shall be set to '1'.

6.2.10.1.45.3 Functional Requirement 3 (2.6.5.4.3)

If text is found after the '@' sign (i.e. BID), the text shall be used to determine the frequency.

6.2.10.1.45.3.1 Functional Requirement 1 (2.6.5.4.3.1)

The software shall attempt to match the text after the '@' sign to an entry in the ADMINISTRATION SCHEDULE file (#51.1), MEDICATION INSTRUCTION file (#51), or if not found in either file, treat it as free text.

6.2.10.1.46 Functional Requirement 5 (2.6.5.5)

The system shall first check if a value entered for the schedule is found in the ADMINISTRATION SCHEDULE file (#51.1).

6.2.10.1.46.1 Functional Requirement 1 (2.6.5.5.1)

Only schedules marked for Pharmacy (PSJ in Package Prefix field) shall be used to determine the frequency.

6.2.10.1.46.2 Functional Requirement 1 (2.6.5.5.2)

If the text found after the '@' sign matches more than one entry in the ADMINISTRATION SCHEDULE file (#51.1), the entry that is designated as DAY OF THE WEEK from the schedule type shall be used.

6.2.10.1.46.2.1 Functional Requirement 1 (2.6.5.5.2.1)

If more than one entry is designated as DAY OF THE WEEK, the first entry found shall be used.

6.2.10.1.46.3 Functional Requirement 3 (2.6.5.5.3)


If the text found after the '@' sign matches one or more entries in the ADMINISTRATION SCHEDULE file (#51.1), but none are designated as DAY OF THE WEEK from the schedule type, the first entry marked for Pharmacy (PSJ in Package Prefix field) shall be used.

6.2.10.1.46.3.1 Functional Requirement 1 (2.6.5.5.3.1)

If none of the schedules are marked for Pharmacy (PSJ in Package Prefix field) none of the schedules shall be used to determine the frequency.

6.2.10.1.46.4 Functional Requirement 4 (2.6.5.5.4)

If the schedule entered for the order is found in the ADMINISTRATION SCHEDULE file (#51.1), the value found in the DOSING CHECK FREQUENCY field shall be used to determine the frequency.

Note:	The DOSING CHECK FREQUENCY field is a new field that has been created in the ADMINISTRATION SCHEDULE file (#51.1). Please see section 2.6.6 in the M2-1_PDM_RSD_v2 for more information on this new field.
	

6.2.10.1.46.4.1 Functional Requirement 1 (2.6.5.5.4.1)

If there are drug(s) associated with the DOSING CHECK FREQUENCY, the value in the DOSING CHECK FREQUENCY field shall only be used to calculate the schedule frequency if the drug within the order matches a drug associated with the DOSING CHECK FREQUENCY.

6.2.10.1.46.5 Functional Requirement 5 (2.6.5.5.5)

If the schedule entered for the order is found in the ADMINISTRATION SCHEDULE file (#51.1) and the schedule type is ONE-TIME or ON CALL, the frequency shall be set to '1'.

6.2.10.1.46.6 Functional Requirement 6 (2.6.5.5.6)

If the schedule entered for the order is found in the ADMINISTRATION SCHEDULE file (#51.1) and the schedule type DAY OF THE WEEK, no value is found in the DOSING CHECK FREQUENCY field, and administration times have been defined for the schedule, the number of administration times shall determine the frequency.

6.2.10.1.46.6.1 Functional Requirement 1 (2.6.5.5.6.1)

If no administration times have been defined for the schedule, and a value is found in the FREQUENCY (IN MINUTES) field (#2) for that entry, that value shall be used to calculate the frequency.

6.2.10.1.46.7 Functional Requirement 7 (2.6.5.5.7)


If the schedule entered for the order is found in the ADMINISTRATION SCHEDULE file (#51.1) and the schedule type is not DAY OF THE WEEK, ONE-TIME OR ON CALL, no value is found in the DOSING CHECK FREQUENCY field and a value is found in the FREQUENCY (IN MINUTES) field for that entry, that value shall be used to calculate the frequency.

6.2.10.1.47 Functional Requirement 6 (2.6.5.6)

If the schedule is not found in the ADMINISTRATION SCHEDULE file (#51.1), the program shall check if a value entered for the schedule is found in the MEDICATION INSTRUCTION file (#51).

6.2.10.1.47.1 Functional Requirement 1 (2.6.5.6.1)

If a value entered for the schedule is found in the MEDICATION INSTRUCTION file (#51), the value found in the DOSING CHECK FREQUENCY field shall be used to calculate the frequency.

Note:	The DOSING CHECK FREQUENCY field is a new field that has been created in the MEDICATION INSTRUCTION file (#51). Please see section 2.6.7 in the M2-1_PDM_RSD_v2 for more information on this new field.
	

6.2.10.1.47.1.1 Functional Requirement 1 (2.6.5.6.1.1)

If there are drug(s) associated with the DOSING CHECK FREQUENCY, the value in the DOSING CHECK FREQUENCY field shall only be used to calculate the schedule frequency if the drug within the order matches a drug associated with the DOSING CHECK FREQUENCY.

6.2.10.1.47.2 Functional Requirement 2 (2.6.5.6.2)

If no value is found in the DOSING CHECK FREQUENCY field, but a value is found in the FREQUENCY (IN MINUTES) field (#31) for that entry in the MEDICATION INSTRUCTION file (#51), that value shall be used to calculate the frequency.

6.2.10.1.48 Functional Requirement 7 (2.6.5.7)

If NOT found in the MEDICATION INSTRUCTION file (#51), the system shall check if the free text value matches the 'QXH' format, where 'X' is a whole number.

6.2.10.1.48.1 Functional Requirement 1 (2.6.5.7.1)

If a match is found, the free text value shall be passed into the interface for frequency.

6.2.10.1.48.2 Functional Requirement 2 (2.6.5.7.2)

If a match is not found, the frequency shall be left undefined.

6.2.10.1.49 Functional Requirement 8 (2.6.5.8)

The frequency shall be calculated by dividing 1440 by the value found in the FREQUENCY (IN MINUTES) field.

6.2.10.1.50 Functional Requirement 9 (2.6.5.9)

If a frequency is determined to be less than 1, a free text format as specified by FDB in the table below shall be passed into the interface to represent a decimal value.

6.2.10.1.51 Functional Requirement 10 (2.6.5.10)

If the frequency calculated is not a whole number, a free text format as specified by FDB in the table below shall be passed into the interface.

FDB TABLE

Table 8 - FDB TABLE

FREE TEXT VALUE	FREQUENCY
QOD	0.5
Q#H (such as every 4 hours)	$24 \div \#$
Q#D (number must be greater than 1 (such as every 3 days)	$1 \div \#$
Q#W (such as every 4 weeks)	$1 \div (\# \times 7)$
Q#L (such as every 3 months)	$1 \div (\# \times 30)$
X#D (such as 4 times per day)	#
X#W (such as 2 times per week)	$\# \div 7$

6.2.10.1.52 Functional Requirement 11 (2.6.5.11)

If the schedule entered cannot be found as a whole in either the ADMINISTRATION SCHEDULE (#51.1) file or the MEDICATION INSTRUCTION (#51) file, the schedule shall be broken down using space as a delimiter and each word looked up in the ADMINISTRATION SCHEDULE (#51.1) file and if not found then looked up in the MEDICATION INSTRUCTION (#51) file.

6.2.10.1.52.1 Functional Requirement 1 (2.6.5.11.1)

If only one frequency value is found for any of the words in either file, that frequency value shall be used.

6.2.10.1.52.2 Functional Requirement 2 (2.6.5.11.2)

If multiple frequency values are found, but the values are the same, that value shall be used for the frequency.

6.2.10.1.52.3 Functional Requirement 3 (2.6.5.11.3)

If multiple frequency values are found, but the values are not the same, none of the values shall be used and an error displayed to the user that the Max Daily Dose Order Check could not be performed.

6.2.10.1.52.4 Functional Requirement 4 (2.6.5.11.4)

Only schedules marked as Pharmacy use shall be used to determine the frequency value.

6.2.10.1.52.5 Functional Requirement 5 (2.6.5.11.5)

If more than one schedule is found and at least one of the schedules is marked as ONE-TIME or ON-CALL, the frequency shall be set to '1' and only a Maximum Single Dose Check shall be performed.

6.2.10.1.52.6 Functional Requirement 6 (2.6.5.11.6)

If more than one schedule is found and at least one of the schedules is marked as DAY OF THE WEEK, and no value is found in the DOSING CHECK FREQUENCY field, the day of the week logic shall be used to determine the frequency value.

6.2.10.1.53 Functional Requirement 12 (2.6.5.12)

When entering an outpatient order that has a schedule which contains a '<space>PRN', the software shall run the schedule as entered through the logic to determine a frequency.

6.2.10.1.53.1 Functional Requirement 1 (2.6.5.12.1)

If no frequency can be determined, the software shall remove the '<space>PRN' from the schedule and run through the logic a second time to determine a frequency.

6.2.10.1.54 Functional Requirement 13 (2.6.5.13)

For a simple or complex outpatient medication order, if the order duration is less than 24 hours (i.e. Q4H for 8 hours), the software shall perform a Maximum Single Dose Order Check and a Max Daily Dose Order Check. The Max Daily Dose Order Check shall reflect only those doses ordered.

For example: Ibuprofen 600mg Q4H for 12 hours. Only 3 doses of Ibuprofen 600mg will be administered in 24 hours. The frequency sent to the interface will be '3' and NOT 6.

Routines	Activities	
Routine Name	PSODOSN	
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
RTM	2.6.5.1, 2.6.5.2, 2.6.5.3, 2.6.5.4, 2.6.5.4.1,, 2.6.5.4.2, 2.6.5.4.2, 2.6.5.4.3, 2.6.5.4.3.1, 2.6.5.5, 2.6.5.5.1, 2.6.5.5.2, 2.6.5.5.2.1, 2.6.5.5.3, 2.6.5.5.3.1, 2.6.5.5.4, 2.6.5.5.4.1, 2.6.5.5.5, 2.6.5.5.6, 2.6.5.5.6.1, 2.6.5.5.7, 2.6.5.6, 2.6.5.6.1, 2.6.5.6.1.1, 2.6.5.6.2, 2.6.5.7, 2.6.5.7.1, 2.6.5.7.2, 2.6.5.8, 2.6.5.9, 2.6.5.10, 2.6.5.11, 2.6.5.11.1, 2.6.5.11.2, 2.6.5.11.3, 2.6.5.11.4, 2.6.5.11.5, 2.6.5.11.6, 2.6.5.12, 2.6.5.12.1, 2.6.5.13	
Related Options	Patient Prescription Processing [PSO LM BACKDOOR ORDERS] Complete Orders from OERR [PSO LMOE FINISH] Discontinue Prescription(s) [PSO C] EDIT PRESCRIPTIONS [PSO RXEDIT]	
Related Routines	Routines "Called By"	Routines "Called"
		EN^PSODOSU2, \$\$GETGN^PSODOSUN, DATA^PSS50, SIG^XUSESIG
Routines	Activities	
Data Dictionary (DD) References	N/A	
Related Protocols	N/A	
Related Integration Control Registrations (ICRs)	N/A	
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	N/A	
Output Attribute Name and Definition	N/A	
Current Logic		
This routine contains dose check utilities and used in parsing data returned from FDB.		
Modified Logic (Changes are in bold)		

Routines	Activities	
Routine Name	PSODOSU2	
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
RTM	2.6.5.1, 2.6.5.2, 2.6.5.3, 2.6.5.4, 2.6.5.4.1,, 2.6.5.4.2, 2.6.5.4.2, 2.6.5.4.3, 2.6.5.4.3.1, 2.6.5.5, 2.6.5.5.1, 2.6.5.5.2, 2.6.5.5.2.1, 2.6.5.5.3, 2.6.5.5.3.1, 2.6.5.5.4, 2.6.5.5.4.1, 2.6.5.5.5, 2.6.5.5.6, 2.6.5.5.6.1, 2.6.5.5.7, 2.6.5.6, 2.6.5.6.1, 2.6.5.6.1.1, 2.6.5.6.2, 2.6.5.7, 2.6.5.7.1, 2.6.5.7.2, 2.6.5.8, 2.6.5.9, 2.6.5.10, 2.6.5.11, 2.6.5.11.1, 2.6.5.11.2, 2.6.5.11.3, 2.6.5.11.4, 2.6.5.11.5, 2.6.5.11.6, 2.6.5.12, 2.6.5.12.1, 2.6.5.13	
Related Options	Patient Prescription Processing [PSO LM BACKDOOR ORDERS] Complete Orders from OERR [PSO LMOE FINISH] Discontinue Prescription(s) [PSO C] EDIT PRESCRIPTIONS [PSO RXEDIT]	
Related Routines	Routines “Called By”	Routines “Called”
	PSODOSUN	PSODOSUT
Routines	Activities	
Data Dictionary (DD) References	^TMP	
Related Protocols	N/A	
Related Integration Control Registrations (ICRs)	N/A	
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	N/A	
Output Attribute Name and Definition	N/A	
Current Logic		
This routine parses data returned from Pharmacy Data Management as a result of a call to First Data Bank (FDB) for drug-drug and duplicate therapy order checks. The data is displayed to the user during order entry processing		
Modified Logic (Changes are in bold)		

Routines	Activities	
Routine Name	PSODOSUT	
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
RTM	2.6.5.1, 2.6.5.2, 2.6.5.3, 2.6.5.4, 2.6.5.4.1,, 2.6.5.4.2, 2.6.5.4.2, 2.6.5.4.3, 2.6.5.4.3.1, 2.6.5.5, 2.6.5.5.1, 2.6.5.5.2, 2.6.5.5.2.1, 2.6.5.5.3, 2.6.5.5.3.1, 2.6.5.5.4, 2.6.5.5.4.1, 2.6.5.5.5, 2.6.5.5.6, 2.6.5.5.6.1, 2.6.5.5.7, 2.6.5.6, 2.6.5.6.1, 2.6.5.6.1.1, 2.6.5.6.2, 2.6.5.7, 2.6.5.7.1, 2.6.5.7.2, 2.6.5.8, 2.6.5.9, 2.6.5.10, 2.6.5.11, 2.6.5.11.1, 2.6.5.11.2, 2.6.5.11.3, 2.6.5.11.4, 2.6.5.11.5, 2.6.5.11.6, 2.6.5.12, 2.6.5.12.1, 2.6.5.13	
Related Options	Patient Prescription Processing [PSO LM BACKDOOR ORDERS] Complete Orders from OERR [PSO LMOE FINISH] Discontinue Prescription(s) [PSO C] EDIT PRESCRIPTIONS [PSO RXEDIT]	
Related Routines	Routines “Called By”	Routines “Called”
	PSOCAN2, PSODOSU2, PSOLBLD, PSOLLL8, PSOORED3, PSOORED4, PSOORED5, PSOORED6, PSOORNE1, PSOORNEW, PSORENW0, PSOVER1	PSOCAN4, PSODGDG1, PSODOSCL, PSODOSUN, PSORXI, PSSDSAPI, XUSESIG
Routines	Activities	
Data Dictionary (DD) References	52, ^TMP, ^UTILITY, ^XUSEC	
Related Protocols	N/A	
Related Integration Control Registrations (ICRs)	;External reference to \$\$DS^PSSDSAPI supported by DBIA 5425	
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	N/A	
Output Attribute Name and Definition	N/A	
Current Logic		
This routine is the entry point for dosing order checks for new order, copy ,renew, edit, and reinstatement of Outpatient Pharmacy drug-drug and duplicate therapy order checks.		

Modified Logic (Changes are in bold)

Routines	Activities	
Routine Name	PSOSIG	
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
RTM	2.6.5.1, 2.6.5.2, 2.6.5.3, 2.6.5.4, 2.6.5.4.1,, 2.6.5.4.2, 2.6.5.4.2, 2.6.5.4.3, 2.6.5.4.3.1, 2.6.5.5, 2.6.5.5.1, 2.6.5.5.2, 2.6.5.5.2.1, 2.6.5.5.3, 2.6.5.5.3.1, 2.6.5.5.4, 2.6.5.5.4.1, 2.6.5.5.5, 2.6.5.5.6, 2.6.5.5.6.1, 2.6.5.5.7, 2.6.5.6, 2.6.5.6.1, 2.6.5.6.1.1, 2.6.5.6.2, 2.6.5.7, 2.6.5.7.1, 2.6.5.7.2, 2.6.5.8, 2.6.5.9, 2.6.5.10, 2.6.5.11, 2.6.5.11.1, 2.6.5.11.2, 2.6.5.11.3, 2.6.5.11.4, 2.6.5.11.5, 2.6.5.11.6, 2.6.5.12, 2.6.5.12.1, 2.6.5.13	
Related Options	Patient Prescription Processing [PSO LM BACKDOOR ORDERS] Complete Orders from OERR [PSO LMOE FINISH] Discontinue Prescription(s) [PSO C] EDIT PRESCRIPTIONS [PSO RXEDIT]	
Related Routines	Routines “Called By”	Routines “Called”
	PSOORED3, PSOORED4, PSOORED5	PSOSIGCX, PSOSIGDS
Routines	Activities	
Data Dictionary (DD) References	50,51,51.1	
Related Protocols	N/A	
Related Integration Control Registrations (ICRs)	;External reference to PS(51 supported by DBIA 2224 ;External reference to PS(51.1 supported by DBIA 2225 ;External reference to PSDRUG(supported by DBIA 221	
Data Passing	<input checked="" type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	N/A	
Output Attribute Name and Definition	N/A	

Current Logic

```

SCH ;SCH = schedule entered      SCHEX = expanded schedule
N SQFLAG,SCLOOP,SCLP,SCLPS,SCLHOLD,SCIN,SODL,SST
K SCHEX S SQFLAG=0
I $G(SCH)="" S SCHEX="" Q
I SCH[""!($A(SCH)=45)!(SCH?.E1C.E)!($L(SCH," ")>3)!($L(SCH)>20)!($L(SCH)<1) K SCH Q
N PSOSCU S SCH=$$UPPER(SCH)
F SCLOOP=0:0 S SCLOOP=$O(^PS(51.1,"B",SCH,SCLOOP)) Q:'SCLOOP!(SQFLAG) I
$P($G(^PS(51.1,SCLOOP,0)),"^",8)'="" S SCHEX=$P($G(^0),"^",8),SQFLAG=1
Q:SQFLAG
I $P($G(^PS(51,"A",SCH)),"^")'="" S SCHEX=$P(^SCH,"^") Q
S SCLOOP=0 F SCLP=1:1:$L(SCH) S SCLPS=$E(SCH,SCLP) I SCLPS=" " S SCLOOP=SCLOOP+1
I SCLOOP=0 S SCHEX=SCH Q
S SCLOOP=SCLOOP+1
K SCLHOLD F SCIN=1:1:SCLOOP S (SODL,SCLHOLD(SCIN))=$P(SCH," ",SCIN) D
.Q:$G(SODL)=""
.S SQFLAG=0 F SST=0:0 S SST=$O(^PS(51.1,"B",SODL,SST)) Q:'SST!($G(SQFLAG)) I
$P($G(^PS(51.1,SST,0)),"^",8)'="" S SCLHOLD(SCIN)=$P($G(^0),"^",8),SQFLAG=1
.Q:$G(SQFLAG)
.I $P($G(^PS(51,"A",SODL)),"^")'="" S SCLHOLD(SCIN)=$P(^SODL,"^")
S SCHEX="",SQFLAG=0 F SST=1:1:SCLOOP S SCHEX=SCHEX_$S($G(SQFLAG):"
",1:"")_G(SCLHOLD(SST)),SQFLAG=1
Q

```

Modified Logic (Changes are in bold>

```

SCH(SCH,ENT) ;SCH = schedule entered      SCHEX = expanded schedule **enhancements made in
PSO*7*402**
NEW SCHEX,SCHFL1,SCHFL2 SET (SCHFL1,SCHFL2)=0
;
IF $G(X)=$G(PSORXED("SCHEDULE",ENT)) Q
IF $G(SCH)="" Q
SET SCH=$$UPPER(SCH)
;
;**Lookup into the ADMINISTRATION SCHEDULE (#51.1) file
K X,Y,DIC,D SET X=$G(SCH),DIC="^PS(51.1,"",DIC(0)="CEMOVZ",DIC("W")="W "" ""_$G(X)_"
""_$P(^PS(51.1,+Y,0),U,8)",D="APPSJ^AODNM" W !,"Now searching ADMINISTRATION SCHEDULE (#51.1)
file...",&D MIX^DIC1
K DIC,D S:Y'>0 SCHFL1=1 IF '$G(SCHFL1),'$D(DTOUT),'$D(DUOUT),$P(Y(0),U,2)'="" SET
SCH=$P(Y,U,2),SCHEX=$P(Y(0),U,2) Q
;
;**Lookup into the MEDICATION INSTRUCTION (#51) file
IF $G(SCHFL1),'$D(DTOUT),'$D(DUOUT) K X,Y,DIC,D SET
X=$G(SCH),DIC="^PS(51,"",DIC(0)="CEMOVZ",DIC("W")="W "" ""_$G(X)_"
""_$P(^PS(51,+Y,0),U,2)",D="A^B^AOMI" W !,"Now searching MEDICATION INSTRUCTION (#51) file...",&D
MIX^DIC1
K DIC,D S:Y'>0 SCHFL2=1 IF '$G(SCHFL2),'$D(DTOUT),'$D(DUOUT),$P(Y(0),U,2)'="" SET
SCH=$P(Y,U,2),SCHEX=$P(Y(0),U,2) Q
;
IF $D(DTOUT)!($D(DUOUT)) Q
IF $G(SCHFL1),$G(SCHFL2) SET SCHEX=$G(SCH) W !,?2,"No selection made, free text '$_SCHEX_'
entered for schedule.",!,"Schedule: "$_SCHEX_"// Q
IF '$G(SCHFL1),'$G(SCHFL2),'$D(DTOUT),'$D(DUOUT) Q
Q

```

Routines	Activities	
Routine Name	PSOORED3	
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
RTM	2.6.5.1, 2.6.5.2, 2.6.5.3, 2.6.5.4, 2.6.5.4.1,, 2.6.5.4.2, 2.6.5.4.2, 2.6.5.4.3, 2.6.5.4.3.1, 2.6.5.5, 2.6.5.5.1, 2.6.5.5.2, 2.6.5.5.2.1, 2.6.5.5.3, 2.6.5.5.3.1, 2.6.5.5.4, 2.6.5.5.4.1, 2.6.5.5.5, 2.6.5.5.6, 2.6.5.5.6.1, 2.6.5.5.7, 2.6.5.6, 2.6.5.6.1, 2.6.5.6.1.1, 2.6.5.6.2, 2.6.5.7, 2.6.5.7.1, 2.6.5.7.2, 2.6.5.8, 2.6.5.9, 2.6.5.10, 2.6.5.11, 2.6.5.11.1, 2.6.5.11.2, 2.6.5.11.3, 2.6.5.11.4, 2.6.5.11.5, 2.6.5.11.6, 2.6.5.12, 2.6.5.12.1, 2.6.5.13	
Related Options	Complete Orders from OERR [PSO LMOE FINISH]	
Related Routines	Routines "Called By"	Routines "Called"
	N/A	PSOBKDED, PSOORED3, PSOSIG, PSODOSUT, PSOFSIG, PSOORED7, PSOFSIG,
Routines	Activities	
Data Dictionary (DD) References	51.1, 51.2, 52	
Related Protocols	N/A	
Related Integration Control Registrations (ICRs)	;External reference to PS(51.2 supported by DBIA 2226	
Data Passing	<input checked="" type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input checked="" type="checkbox"/> Local	
Input Attribute Name and Definition	N/A	
Output Attribute Name and Definition	N/A	
Current Logic		
<pre> SCH D SCH^PSOBKDED I X[U,\$L(X)>1 S FIELD="SCH" G JUMP G:\$D(DTOUT)!(\$D(DUOUT)) EXQ S SCH=Y D SCH^PSOSIG I \$G(SCH)']" " G SCH S PSORXED("SCHEDULE",ENT)=SCH W " (" _SCHEX_") K SCH,SCHEX,X,Y,PSOSCH S:PSORXED("ENT")<ENT PSORXED("ENT")=ENT ; </pre>		
Modified Logic (Changes are in bold)		
<pre> SCH D SCH^PSOBKDED I X[U,\$L(X)>1 S FIELD="SCH" G JUMP G:\$D(DTOUT)!(\$D(DUOUT)) EXQ S SCH=Y D SCH^PSOSIG(.SCH,ENT) I \$G(SCH)']" "!(\$D(DTOUT))!(\$D(DUOUT)) G SCH S PSORXED("SCHEDULE",ENT)=SCH W " (" _SCHEX_") " K SCH,SCHEX,X,Y,PSOSCH S:\$G(PSORXED("ENT"))<ENT PSORXED("ENT")=ENT ; </pre>		

Routines	Activities	
Routine Name	PSOORED4	
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
RTM	2.6.5.1, 2.6.5.2, 2.6.5.3, 2.6.5.4, 2.6.5.4.1,, 2.6.5.4.2, 2.6.5.4.2, 2.6.5.4.3, 2.6.5.4.3.1, 2.6.5.5, 2.6.5.5.1, 2.6.5.5.2, 2.6.5.5.2.1, 2.6.5.5.3, 2.6.5.5.3.1, 2.6.5.5.4, 2.6.5.5.4.1, 2.6.5.5.5, 2.6.5.5.6, 2.6.5.5.6.1, 2.6.5.5.7, 2.6.5.6, 2.6.5.6.1, 2.6.5.6.1.1, 2.6.5.6.2, 2.6.5.7, 2.6.5.7.1, 2.6.5.7.2, 2.6.5.8, 2.6.5.9, 2.6.5.10, 2.6.5.11, 2.6.5.11.1, 2.6.5.11.2, 2.6.5.11.3, 2.6.5.11.4, 2.6.5.11.5, 2.6.5.11.6, 2.6.5.12, 2.6.5.12.1, 2.6.5.13	
Related Options	EDIT PRESCRIPTIONS [PSO RXEDIT]	
Related Routines	Routines "Called By"	Routines "Called"
	N/A	PSOORNW1, PSOHCPRS, PSOBKDED, PSOORED4, PSOORED3, PSOSIG, PSODOSUT, PSOHELP, PSOFSIG
Routines	Activities	
Data Dictionary (DD) References	51, 51.1, 51.2, 52.41	
Related Protocols	N/A	
Related Integration Control Registrations (ICRs)	;External reference ^PS(51 supported by DBIA 2224 ;External reference to PS(51.2 supported by DBIA 2226 ;External reference to PS(51.1 supported by DBIA 2225	
Data Passing	<input checked="" type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input checked="" type="checkbox"/> Local	
Input Attribute Name and Definition	N/A	
Output Attribute Name and Definition	N/A	
Current Logic		
<pre> SCH D SCH^PSOBKDED I X[U,\$L(X)>1 S FIELD="SCH" G JUMP G:\$D(DTOUT)!(\$D(DUOUT)) EXQ S SCH=Y D SCH^PSOSIG I \$G(SCH)']" " G SCH S PSORXED("SCHEDULE",ENT)=SCH W " (" _SCHEX_")" K SCH,SCHEX,X,Y,PSOSCH S:PSORXED("ENT")<ENT PSORXED("ENT")=ENT </pre>		

Modified Logic (Changes are in bold)

```
SCH D SCH^PSOBKDED I X[U,$L(X)>1 S FIELD="SCH" G JUMP
G:$D(DTOUT)!($D(DUOUT)) EXQ S SCH=Y D SCH^PSOSIG(.SCH,ENT) I $G(SCH)' ] ""!($D(DTOUT))!($D(DUOUT))
G SCH
S PSORXED("SCHEDULE",ENT)=SCH W-"(-SCHEX-)" K SCH,SCHEX,X,Y,PSOSCH
S:$G(PSORXED("ENT"))<ENT PSORXED("ENT")=ENT
;
```

Routines	Activities	
Routine Name	PSOORED5	
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
RTM	2.6.5.1, 2.6.5.2, 2.6.5.3, 2.6.5.4, 2.6.5.4.1,, 2.6.5.4.2, 2.6.5.4.2, 2.6.5.4.3, 2.6.5.4.3.1, 2.6.5.5, 2.6.5.5.1, 2.6.5.5.2, 2.6.5.5.2.1, 2.6.5.5.3, 2.6.5.5.3.1, 2.6.5.5.4, 2.6.5.5.4.1, 2.6.5.5.5, 2.6.5.5.6, 2.6.5.5.6.1, 2.6.5.5.7, 2.6.5.6, 2.6.5.6.1, 2.6.5.6.1.1, 2.6.5.6.2, 2.6.5.7, 2.6.5.7.1, 2.6.5.7.2, 2.6.5.8, 2.6.5.9, 2.6.5.10, 2.6.5.11, 2.6.5.11.1, 2.6.5.11.2, 2.6.5.11.3, 2.6.5.11.4, 2.6.5.11.5, 2.6.5.11.6, 2.6.5.12, 2.6.5.12.1, 2.6.5.13	
Related Options	Patient Prescription Processing [PSO LM BACKDOOR ORDERS]	
Related Routines	Routines "Called By"	Routines "Called"
	N/A	PSOBKDED, PSOOREDX, PSOORED3, PSOORED4, PSOSIG, PSODOSUT, PSOHELP, PSOFSIG, PSOORED6,
Routines	Activities	
Data Dictionary (DD) References	50, 50.7, 51, 51.1, 51.2, 52, 52.41, 55,	
Related Protocols	N/A	
Related Integration Control Registrations (ICRs)	;^PS(51.2 - DBIA 2226 ;^PS(50.7 - DBIA 2223 ;^PSDRUG - DBIA 221 ;^PS(55 - DBIA 2228	
Data Passing	<input checked="" type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input checked="" type="checkbox"/> Local	
Input Attribute Name and Definition	N/A	
Output Attribute Name and Definition	N/A	

Current Logic
<pre> SCH D SCH^PSOBKDED I X[U,\$L(X)>1 S FIELD="SCH" G JUMP G:\$D(DTOUT)!(\$D(DUOUT)) EX S SCH=Y D SCH^PSOSIG I \$G(SCH)']" " G SCH S PSORXED("SCHEDULE",ENT)=SCH W " (" _SCHEX_)" K SCH,SCHEX,X,Y,PSOSCH S:\$G(PSORXED("ENT"))<ENT PSORXED("ENT")=ENT ; </pre>
Modified Logic (Changes are in bold)
<pre> SCH D SCH^PSOBKDED I X[U,\$L(X)>1 S FIELD="SCH" G JUMP G:\$D(DTOUT)!(\$D(DUOUT)) EX S SCH=Y D SCH^PSOSIG(.SCH,ENT) I \$G(SCH)']" "!(\$D(DTOUT))!(\$D(DUOUT)) G SCH S PSORXED("SCHEDULE",ENT)=SCH W "(_SCHEX_)" K SCH,SCHEX,X,Y,PSOSCH S:\$G(PSORXED("ENT"))<ENT PSORXED("ENT")=ENT ; </pre>

Routines	Activities	
Routine Name	To Be Determined	
Enhancement Category	<input type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
RTM	2.6.5.1, 2.6.5.2, 2.6.5.3, 2.6.5.4, 2.6.5.4.1,, 2.6.5.4.2, 2.6.5.4.2, 2.6.5.4.3, 2.6.5.4.3.1, 2.6.5.5, 2.6.5.5.1, 2.6.5.5.2, 2.6.5.5.2.1, 2.6.5.5.3, 2.6.5.5.3.1, 2.6.5.5.4, 2.6.5.5.4.1, 2.6.5.5.5, 2.6.5.5.6, 2.6.5.5.6.1, 2.6.5.5.7, 2.6.5.6, 2.6.5.6.1, 2.6.5.6.1.1, 2.6.5.6.2, 2.6.5.7, 2.6.5.7.1, 2.6.5.7.2, 2.6.5.8, 2.6.5.9, 2.6.5.10, 2.6.5.11, 2.6.5.11.1, 2.6.5.11.2, 2.6.5.11.3, 2.6.5.11.4, 2.6.5.11.5, 2.6.5.11.6, 2.6.5.12, 2.6.5.12.1, 2.6.5.13	
Related Options		
Related Routines	Routines "Called By"	Routines "Called"
Routines	Activities	
Data Dictionary (DD) References		
Related Protocols		
Related Integration Control Registrations (ICRs)		
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	Name: Definition:	
Output Attribute Name and Definition	Name: Definition:	

Duration/Duration Rate (RSD 2.6.6)

RSD 2.6.6.1, 2.6.6.2, 2.6.6.3, 2.6.6.4, 2.6.6.5, 2.6.6.6, 2.6.6.7

The duration is a numeric representation in terms of a specific duration rate (i.e. HOUR, DAY, etc.) that a dosing regimen is administered. We are not evaluating dosing periods greater than 1 day.

Associated CR 5703 and CR 6389 are addressed by requirements in this section.

6.2.10.1.55 Functional Requirement 1 (2.6.6.1)

The value for duration sent to the interface shall always be in terms of DAYS.

6.2.10.1.56 Functional Requirement 2 (2.6.6.2)

For outpatient medication orders, the duration shall always be equal to '1' unless otherwise specified.

6.2.10.1.57 Functional Requirement 3 (2.6.6.3)

For an outpatient order with duration greater than one day, the duration sent to the interface shall be '1'.

6.2.10.1.58 Functional Requirement 4 (2.6.6.4)

If the dose type for the order is determined to be 'Single Dose', a duration of '1' shall be sent to the interface.

6.2.10.1.59 Functional Requirement 5 (2.6.6.5)

If the duration is not defined for an order, a duration of '1' and a duration rate of 'DAY' shall be assumed.

6.2.10.1.60 Functional Requirement 6 (2.6.6.6)

For a simple outpatient medication order, if the period of time (duration), regardless of duration rate (i.e. HOUR, DAY, etc.) is less than 24 hours (1 day), a duration of '1' shall be sent to the interface. An example of this would be Q4H for 8 hours.

6.2.10.1.61 Functional Requirement 7 (2.6.6.7)

The duration rate shall be set to the dose rate value for all outpatient orders.

Routines	Activities
Routine Name	PSODOSN
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change
RTM	2.6.6.1, 2.6.6.2, 2.6.6.3, 2.6.6.4, 2.6.6.5, 2.6.6.6, 2.6.6.7
Related Options	Patient Prescription Processing [PSO LM BACKDOOR ORDERS] Complete Orders from OERR [PSO LMOE FINISH] Discontinue Prescription(s) [PSO C] EDIT PRESCRIPTIONS [PSO RXEDIT]

Related Routines	Routines “Called By”	Routines “Called”
		EN^PSODOSU2, \$\$GETGN^PSODOSUN, DATA^PSS50, SIG^XUSESIG
Routines	Activities	
Data Dictionary (DD) References	N/A	
Related Protocols	N/A	
Related Integration Control Registrations (ICRs)	N/A	
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	N/A	
Output Attribute Name and Definition	N/A	
Current Logic		
This routine contains dose check utilities and used in parsing data returned from FDB.		
Modified Logic (Changes are in bold)		

Routines	Activities	
Routine Name	PSODOSU2	
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
RTM	2.6.6.1, 2.6.6.2, 2.6.6.3, 2.6.6.4, 2.6.6.5, 2.6.6.6, 2.6.6.7	
Related Options	Patient Prescription Processing [PSO LM BACKDOOR ORDERS] Complete Orders from OERR [PSO LMOE FINISH] Discontinue Prescription(s) [PSO C] EDIT PRESCRIPTIONS [PSO RXEDIT]	
Related Routines	Routines “Called By”	Routines “Called”
	PSODOSUN	PSODOSUT
Routines	Activities	
Data Dictionary (DD) References	^TMP	
Related Protocols	N/A	

Related Integration Control Registrations (ICRs)	N/A
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local
Input Attribute Name and Definition	N/A
Output Attribute Name and Definition	N/A
Current Logic	
This routine parses data returned from Pharmacy Data Management as a result of a call to First Data Bank (FDB) for drug-drug and duplicate therapy order checks. The data is displayed to the user during order entry processing	
Modified Logic (Changes are in bold)	

Routines	Activities	
Routine Name	PSODOSUT	
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
RTM	2.6.6.1, 2.6.6.2, 2.6.6.3, 2.6.6.4, 2.6.6.5, 2.6.6.6, 2.6.6.7	
Related Options	Patient Prescription Processing [PSO LM BACKDOOR ORDERS] Complete Orders from OERR [PSO LMOE FINISH] Discontinue Prescription(s) [PSO C] EDIT PRESCRIPTIONS [PSO RXEDIT]	
Related Routines	Routines "Called By"	Routines "Called"
	PSOCAN2, PSODOSU2, PSOLBLD, PSOLLL8, PSOORED3, PSOORED4, PSOORED5, PSOORED6, PSOORNE1, PSOORNEW, PSORENW0, PSOVER1	PSOCAN4, PSODGDG1, PSODOSCL, PSODOSUN, PSORXI, PSSDSAPI, XUSESIG
Routines	Activities	
Data Dictionary (DD) References	52, ^TMP, ^UTILITY, ^XUSEC	
Related Protocols	N/A	
Related Integration Control Registrations (ICRs)	;External reference to \$\$DS^PSSDSAPI supported by DBIA 5425	

Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local
Input Attribute Name and Definition	N/A
Output Attribute Name and Definition	N/A
Current Logic	
This routine is the entry point for dosing order checks for new order, copy ,renew, edit, and reinstatement of Outpatient Pharmacy drug-drug and duplicate therapy order checks.	
Modified Logic (Changes are in bold)	

Routines	Activities	
Routine Name	To Be Determined	
Enhancement Category	<input type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
RTM	2.6.6.1, 2.6.6.2, 2.6.6.3, 2.6.6.4, 2.6.6.5, 2.6.6.6, 2.6.6.7	
Related Options		
Related Routines	Routines “Called By”	Routines “Called”
Routines	Activities	
Data Dictionary (DD) References		
Related Protocols		
Related Integration Control Registrations (ICRs)		
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	Name: Definition:	
Output Attribute Name and Definition	Name: Definition:	

Schedule Exclusions (RSD 2.6.7)


RSD 2.6.7.1, 2.6.7.1.1, 2.6.7.2, 2.6.7.2.1, 2.6.7.3, 2.6.7.3.1, 2.6.7.4, 2.6.7.4.1, 2.6.7.5, 2.6.7.5.1, 2.6.7.5.2, 2.6.7.6, 2.6.7.6.1, 2.6.7.6.2, 2.6.7.7

This section describes the implementation of the daily dose exclusion for a schedule and how it affects the Maximum Single Dose Order Check and the Max Daily Dose Order Check. The all Dosing Order Checks schedule exclusion will also be applied to the Max Daily Dose Order Check in MOCHA v2.1.

Associated CR 3921, CR 3923, and CR 3925 is addressed by requirements in this section.

6.2.10.1.62 Functional Requirement 1 (2.6.7.1)

No Max Daily Dose Order Check shall be performed for a simple medication order processed through CPRS using the outpatient medication dialog or as a quick order with a schedule that has been excluded from all Dosing Order Checks.


Note:	A schedule which has been excluded from all Dosing Order Checks has the EXCLUDE FROM ALL DOSING CHECKS field (#9) in the ADMINISTRATION SCHEDULE file (#51.1) set to YES.
	

6.2.10.1.62.1 Functional Requirement 1 (2.6.7.1.1)

No message shall be displayed to the user informing them that the Max Daily Dose Order Check will not be performed.

6.2.10.1.63 Functional Requirement 2 (2.6.7.2)

No Max Daily Dose Order Check shall be performed for a simple medication order processed through CPRS using the outpatient medication dialog or as a quick order with a schedule that has been excluded from the Daily Dose Order Check.

Note:	A schedule which has been excluded from the Max Daily Dose Order Check has the EXCLUDE FROM DAILY DOSE CHECK field (#10) in the ADMINISTRATION SCHEDULE file (#51.1) set to YES.
	

6.2.10.1.63.1 Functional Requirement 1 (2.6.7.2.1)

No message shall be displayed to the user informing them that the Max Daily Dose Order Check will not be performed.

6.2.10.1.64 Functional Requirement 3 (2.6.7.3)

No Max Daily Dose Order Check shall be performed for a simple medication order processed through Pharmacy backdoor options with a schedule that has been excluded from all Dosing Order Checks.

6.2.10.1.64.1 Functional Requirement 1 (2.6.7.3.1)

No message shall be displayed to the user informing them that the Max Daily Dose Order Check will not be performed.

6.2.10.1.65 Functional Requirement 4 (2.6.7.4)

No Max Daily Dose Order Check shall be performed for a simple medication order processed through the Pharmacy backdoor with a schedule that has been excluded from the Daily Dose Order Check.

6.2.10.1.65.1 Functional Requirement 1 (2.6.7.4.1)

No message shall be displayed to the user informing them that the Max Daily Dose Order Check will not be performed.

6.2.10.1.66 Functional Requirement 5 (2.6.7.5)

Only a Maximum Single Dose Order Check shall be performed for a simple medication order processed through CPRS using the outpatient medication or as a quick order with a schedule that has been excluded from a Daily Dose Order Check.

6.2.10.1.66.1 Functional Requirement 1 (2.6.7.5.1)

If the Maximum Single Dose Order Check fails, general dosing information messages shall be displayed along with the warning message. See below:

Max Single Dose Check Fails (exceeds recommended dose):

```
HALOPERIDOL 10MG TAB: Single dose amount of 60 MILLIGRAMS exceeds the maximum single dose amount of 33.34 MILLIGRAMS.
```

```
General dosing range for HALOPERIDOL 10MG TAB (ORAL): 1 milligram per day to 100 milligrams per day. Maximum daily dose is 100 milligrams per day.
```

6.2.10.1.66.2 Functional Requirement 2 (2.6.7.5.2)

If the Maximum Single Dose Order Check results in an error, a general dosing information messages shall be displayed along with the error message. See below:

Max Single Dose Check error occurs:

```
Maximum Single Dose Check could not be done for Drug: GENTAMICIN 40MG/ML 2ML INJ, please complete a manual check for appropriate Dosing.
```

```
General dosing range for GENTAMICIN 40MG/ML 2ML INJ (INTRAMUSCULAR): 1.5 milligrams per kilogram per day to 7 milligrams per kilogram per day. Maximum daily dose is 630 milligrams per day.
```

6.2.10.1.67 Functional Requirement 6 (2.6.7.6)

Only a Maximum Single Dose Order Check shall be performed for a simple medication order processed through the Pharmacy backdoor with a schedule that has been excluded from a Daily Dose Order Check.

6.2.10.1.67.1 Functional Requirement 1 (2.6.7.6.1)

If the Maximum Single Dose Order Check fails, general dosing information messages shall be displayed along with the warning message. See below:

Max Single Dose Check Fails (exceeds recommended dose):

```
HALOPERIDOL 10MG TAB: Single dose amount of 60 MILLIGRAMS exceeds the maximum single dose amount of 33.34 MILLIGRAMS.
```

```
General dosing range for HALOPERIDOL 10MG TAB (ORAL): 1 milligram per day to 100 milligrams per day. Maximum daily dose is 100 milligrams per day.
```

6.2.10.1.67.2 Functional Requirement 2 (2.6.7.6.2)

If the Maximum Single Dose Order Check results in an error, general dosing information messages shall be displayed along with the error message. See below:

Maximum Single Dose Order Check error occurs:

Maximum Single Dose Check could not be performed for Drug: GENTAMICIN 40MG/ML 2ML INJ
Reason(s): Weight required

General dosing range for GENTAMICIN 40MG/ML 2ML INJ (INTRAMUSCULAR): 1.5 milligrams per kilogram per day to 7 milligrams per kilogram per day. Maximum daily dose is 630 milligrams per day.

6.2.10.1.68 Functional Requirement 7 (2.6.7.7)

Schedule exclusions shall be applied to the following Outpatient Pharmacy order entry processes:

- Entering a new order
- Finishing a pending order
- Renewing an order
- Editing the following fields:
 - Orderable Item
 - Dispense Drug
 - Dosage
 - Dispense Units
 - Route
 - Schedule
 - Conjunction
- Verifying an order
- Copying an order
- Reinstating a discontinued order

Routines	Activities
Routine Name	PSODOSN
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change
RTM	2.6.7.1, 2.6.7.1.1, 2.6.7.2, 2.6.7.2.1, 2.6.7.3, 2.6.7.3.1, 2.6.7.4, 2.6.7.4.1, 2.6.7.5, 2.6.7.5.1, 2.6.7.5.2, 2.6.7.6, 2.6.7.6.1, 2.6.7.6.2, 2.6.7.7
Related Options	Patient Prescription Processing [PSO LM BACKDOOR ORDERS] Complete Orders from OERR [PSO LMOE FINISH] Discontinue Prescription(s) [PSO C] EDIT PRESCRIPTIONS [PSO RXEDIT]

Related Routines	Routines “Called By”	Routines “Called”
		EN^PSODOSU2, \$\$GETGN^PSODOSUN, DATA^PSS50, SIG^XUSESIG
Routines	Activities	
Data Dictionary (DD) References	N/A	
Related Protocols	N/A	
Related Integration Control Registrations (ICRs)	N/A	
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	N/A	
Output Attribute Name and Definition	N/A	
Current Logic		
This routine contains dose check utilities and used in parsing data returned from FDB.		
Modified Logic (Changes are in bold)		

Routines	Activities	
Routine Name	PSODOSU2	
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
RTM	2.6.7.1, 2.6.7.1.1, 2.6.7.2, 2.6.7.2.1, 2.6.7.3, 2.6.7.3.1, 2.6.7.4, 2.6.7.4.1, 2.6.7.5, 2.6.7.5.1, 2.6.7.5.2, 2.6.7.6, 2.6.7.6.1, 2.6.7.6.2, 2.6.7.7	
Related Options	Patient Prescription Processing [PSO LM BACKDOOR ORDERS] Complete Orders from OERR [PSO LMOE FINISH] Discontinue Prescription(s) [PSO C] EDIT PRESCRIPTIONS [PSO RXEDIT]	
Related Routines	Routines “Called By”	Routines “Called”
	PSODOSUN	PSODOSUT
Routines	Activities	
Data Dictionary (DD) References	^TMP	

Related Protocols	N/A
Related Integration Control Registrations (ICRs)	N/A
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local
Input Attribute Name and Definition	N/A
Output Attribute Name and Definition	N/A
Current Logic	
This routine parses data returned from Pharmacy Data Management as a result of a call to First Data Bank (FDB) for drug-drug and duplicate therapy order checks. The data is displayed to the user during order entry processing	
Modified Logic (Changes are in bold)	

Routines	Activities	
Routine Name	PSODOSUT	
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
RTM	2.6.7.1, 2.6.7.1.1, 2.6.7.2, 2.6.7.2.1, 2.6.7.3, 2.6.7.3.1, 2.6.7.4, 2.6.7.4.1, 2.6.7.5, 2.6.7.5.1, 2.6.7.5.2, 2.6.7.6, 2.6.7.6.1, 2.6.7.6.2, 2.6.7.7	
Related Options	Patient Prescription Processing [PSO LM BACKDOOR ORDERS] Complete Orders from OERR [PSO LMOE FINISH] Discontinue Prescription(s) [PSO C] EDIT PRESCRIPTIONS [PSO RXEDIT]	
Related Routines	Routines "Called By"	Routines "Called"
	PSOCAN2, PSODOSU2, PSOLBLD, PSOLLL8, PSOORED3, PSOORED4, PSOORED5, PSOORED6, PSOORNE1, PSOORNEW, PSORENW0, PSOVER1	PSOCAN4, PSODGDG1, PSODOSCL, PSODOSUN, PSORXI, PSSDSAPI, XUSESIG
Routines	Activities	
Data Dictionary (DD) References	52, ^TMP, ^UTILITY, ^XUSEC	
Related Protocols	N/A	

Related Integration Control Registrations (ICRs)	;External reference to \$\$\$DS^PSSDSAPI supported by DBIA 5425
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local
Input Attribute Name and Definition	N/A
Output Attribute Name and Definition	N/A
Current Logic	
This routine is the entry point for dosing order checks for new order, copy ,renew, edit, and reinstatement of Outpatient Pharmacy drug-drug and duplicate therapy order checks.	
Modified Logic (Changes are in bold)	

Routines	Activities	
Routine Name	To Be Determined	
Enhancement Category	<input type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
RTM	2.6.7.1, 2.6.7.1.1, 2.6.7.2, 2.6.7.2.1, 2.6.7.3, 2.6.7.3.1, 2.6.7.4, 2.6.7.4.1, 2.6.7.5, 2.6.7.5.1, 2.6.7.5.2, 2.6.7.6, 2.6.7.6.1, 2.6.7.6.2, 2.6.7.7	
Related Options		
Related Routines	Routines “Called By”	Routines “Called”
Routines	Activities	
Data Dictionary (DD) References		
Related Protocols		
Related Integration Control Registrations (ICRs)		
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	Name: Definition:	
Output Attribute Name and Definition	Name: Definition:	

Per Orifice Note (RSD 2.6.8)

RSD 2.6.8.1, 2.6.8.1.1, 2.6.8.1.2, 2.6.8.1.3, 2.6.8.2, 2.6.8.2.1, 2.6.8.2.2, 2.6.8.2.3, 2.6.8.3, 2.6.8.3.1, 2.6.8.3.2, 2.6.8.3.3, 2.6.8.4, 2.6.8.5, 2.6.8.5.1, 2.6.8.5.2, 2.6.8.5.3, 2.6.8.6, 2.6.8.6.1, 2.6.8.6.2, 2.6.8.6.3, 2.6.8.7, 2.6.8.7.1, 2.6.8.7.2, 2.6.8.7.3, 2.6.8.8, 2.6.8.8.1, 2.6.8.9, 2.6.8.9.1, 2.6.8.9.2, 2.6.8.10

When a high dose warning or general dosing information message is displayed to the user it will be prefaced with a note informing the user that the dosing information is per orifice. This will be done for drugs administered by eye, ear or nose.

Associated CR 3266 is addressed by requirements in this section.

6.2.10.1.69 Functional Requirement 1 (2.6.8.1)

If a high dose warning is displayed after Dosing Order Checks are performed when a simple order is processed through CPRS, it shall be prefaced with additional text if the medication route within the order is mapped to a standard medication route of 'NASAL' or 'OPHTHALMIC' or 'OTIC'.

6.2.10.1.69.1 Functional Requirement 1 (2.6.8.1.1)


If the medication route within the order is mapped to a standard medication route of 'NASAL', the following text shall display before the high dose warning: 'Dosing Information provided is PER NOSTRIL: '

6.2.10.1.69.2 Functional Requirement 2 (2.6.8.1.2)

If the medication route within the order is mapped to a standard medication route of 'OPHTHALMIC', the following text shall display before the high dose warning: 'Dosing Information provided is PER EYE: '

6.2.10.1.69.3 Functional Requirement 3 (2.6.8.1.3)

If the medication route within the order is mapped to a standard medication route of 'OTIC', the following text shall display before the high dose warning: 'Dosing Information provided is PER EAR: '

Note:	A high dose warning for the Maximum Single Dose Order Check will have a single dose status code of '2' – 'Exceeds Max'. A high dose warning for the Max Daily Dose Order Check will have a max daily dose status code of '2' – 'Exceeds Max.'
	

6.2.10.1.70 Functional Requirement 2 (2.6.8.2)

If general dosing information is displayed after Dosing Order Checks are performed when a simple order is processed through CPRS, it shall be prefaced with additional text if the medication route within the order is mapped to a standard medication route of 'NASAL' or 'OPHTHALMIC' or 'OTIC'.

6.2.10.1.70.1 Functional Requirement 1 (2.6.8.2.1)

If the medication route within the order is mapped to a standard medication route of 'NASAL', the following text shall display before the general dosing information message: 'Dosing Information provided is PER NOSTRIL: '

6.2.10.1.70.2 Functional Requirement 2 (2.6.8.2.2)

If the medication route within the order is mapped to a standard medication route of 'OPHTHALMIC', the following text shall display before the general dosing information message: 'Dosing Information provided is PER EYE: '

6.2.10.1.70.3 Functional Requirement 3 (2.6.8.2.3)

If the medication route within the order is mapped to a standard medication route of 'OTIC', the following text shall display before the general dosing information message: 'Dosing Information provided is PER EAR: '

6.2.10.1.71 Functional Requirement 3 (2.6.8.3)

If a high dose warning is displayed for a dosing sequence after a Maximum Single Dose Order Check is performed when a complex order is processed through CPRS, it shall be prefaced with additional text if the medication route within the dosing sequence is mapped to a standard medication route of 'NASAL' or 'OPHTHALMIC' or 'OTIC'.

6.2.10.1.71.1 Functional Requirement 1 (2.6.8.3.1)


If the medication route within the dosing sequence is mapped to a standard medication route of 'NASAL', the following text shall display before the high dose warning: 'Dosing Information provided is PER NOSTRIL: '

6.2.10.1.71.2 Functional Requirement 2 (2.6.8.3.2)

If the medication route within the dosing sequence is mapped to a standard medication route of 'OPHTHALMIC', the following text shall display before the high dose warning: 'Dosing Information provided is PER EYE: '

6.2.10.1.71.3 Functional Requirement 3 (2.6.8.3.3)

If the medication route within the dosing sequence is mapped to a standard medication route of 'OTIC', the following text shall display before the high dose warning: 'Dosing Information provided is PER EAR: '

Note:	A high dose warning for the Maximum Single Dose Order Check will have a single dose status code of '2' – 'Exceeds Max'.
	

6.2.10.1.72 Functional Requirement 4 (2.6.8.4)

If more than one high dose warning or a high dose warning and general dosing information messages are displayed after Dosing Order Checks are performed when a simple order is processed through CPRS whose medication route is mapped to a standard medication route of 'NASAL' or 'OPHTHALMIC' or 'OTIC', the additional text shall be displayed first and only once.

6.2.10.1.73 Functional Requirement 5 (2.6.8.5)

If a high dose warning is displayed after Dosing Order Checks are performed when a simple order is processed through Pharmacy backdoor options, it shall be prefaced with additional text if the medication route within the order is mapped to a standard medication route of 'NASAL' or 'OPHTHALMIC' or 'OTIC'.

6.2.10.1.73.1 Functional Requirement 1 (2.6.8.5.1)

If the medication route within the order is mapped to a standard medication route of 'NASAL', the following text shall display before the high dose warning: 'Dosing Information provided is PER NOSTRIL:'

6.2.10.1.73.2 Functional Requirement 2 (2.6.8.5.2)

If the medication route within the order is mapped to a standard medication route of 'OPHTHALMIC', the following text shall display before the high dose warning: 'Dosing Information provided is PER EYE: '

6.2.10.1.73.3 Functional Requirement 3 (2.6.8.5.3)

If the medication route within the order is mapped to a standard medication route of 'OTIC', the following text shall display before the high dose warning: 'Dosing Information provided is PER EAR: '

6.2.10.1.74 Functional Requirement 6 (2.6.8.6)

If general dosing information is displayed after Dosing Order Checks are performed when a simple order is processed through Pharmacy backdoor options, it shall be prefaced with additional text if the medication route within the order is mapped to a standard medication route of 'NASAL' or 'OPHTHALMIC' or 'OTIC'.

6.2.10.1.74.1 Functional Requirement 1 (2.6.8.6.1)

If the medication route within the order is mapped to a standard medication route of 'NASAL', the following text shall display before the general dosing information messages: 'Dosing Information provided is PER NOSTRIL: '

6.2.10.1.74.2 Functional Requirement 2 (2.6.8.6.2)

If the medication route within the order is mapped to a standard medication route of 'OPHTHALMIC', the following text shall display before the general dosing information messages: 'Dosing Information provided is PER EYE: '

6.2.10.1.74.3 Functional Requirement 3 (2.6.8.6.3)

If the medication route within the order is mapped to a standard medication route of 'OTIC', the following text shall display before the general dosing information messages: 'Dosing Information provided is PER EAR: '

6.2.10.1.75 Functional Requirement 7 (2.6.8.7)

If a high dose warning is displayed for a dosing sequence after a Maximum Single Dose Order Check is performed when a complex order is processed through Pharmacy backdoor options, it shall be prefaced with additional text if the medication route within the dosing sequence is mapped to a standard medication route of 'NASAL' or 'OPHTHALMIC' or 'OTIC'.

6.2.10.1.75.1 Functional Requirement 1 (2.6.8.7.1)

If the medication route within the dosing sequence is mapped to a standard medication route of 'NASAL', the following text shall display before the high dose warning: 'Dosing Information provided is PER NOSTRIL: '

6.2.10.1.75.2 Functional Requirement 2 (2.6.8.7.2)

If the medication route within the dosing sequence is mapped to a standard medication route of 'OPHTHALMIC', the following text shall display before the high dose warning: 'Dosing Information provided is PER EYE: '

6.2.10.1.75.3 Functional Requirement 3 (2.6.8.7.3)

If the medication route within the dosing sequence is mapped to a standard medication route of 'OTIC', the following text shall display before the high dose warning: 'Dosing Information provided is PER EAR: '

6.2.10.1.76 Functional Requirement 8 (2.6.8.8)

If more than one high dose warning or a high dose warning and general dosing information messages are displayed after Dosing Order Checks are performed when a simple order is processed through Pharmacy backdoor options whose medication route is mapped to a standard medication route of 'NASAL' or 'OPHTHALMIC' or 'OTIC', the additional text shall be displayed first and only once.

6.2.10.1.76.1 Functional Requirement 1 (2.6.8.8.1)

The additional text shall only be repeated if the high dose warnings and/or general dosing information messages are displayed on more than one page.

6.2.10.1.77 Functional Requirement 9 (2.6.8.9)

If a dosing check summary is displayed for a complex order processed through Pharmacy backdoor options, it shall be prefaced with additional text if the medication route within the dosing sequence is mapped to a standard medication route of 'NASAL' or 'OPHTHALMIC' or 'OTIC'.

6.2.10.1.77.1 Functional Requirement 1 (2.6.8.9.1)

The additional text shall be displayed first and only once before the dosing sequence information.

6.2.10.1.77.2 Functional Requirement 2 (2.6.8.9.2)

The additional text shall only be repeated if the high dose warnings and/or general dosing information messages are displayed on more than one page.

6.2.10.1.78 Functional Requirement 10 (2.6.8.10)

Processing through Outpatient Pharmacy backdoor options shall apply to the following actions:

- Entering a new order
- Finishing a pending order
- Renewing an order
- Editing the following fields:
 - Orderable Item
 - Dispense Drug
 - Dosage
 - Dispense Units
 - Route

- Schedule
- Conjunction
- Verifying an order
- Copying an order
- Reinstating a discontinued order

Display examples follow below:

Max Single Dose Check generates high dose warning for standard med route of ‘NASAL’ (CPRS and Pharmacy)

Dosing Information provided is PER NOSTRIL:
Cromolyn 5.2 mg/Actuation (4 %) Nasal Spray: Single dose form amount of 5 SPRAY(S) exceeds the maximum single dose form amount of 2 SPRAY(S).

Max Daily Dose Check generates high dose warning for standard med route of ‘OPHTHALMIC’ (CPRS and Pharmacy)

Dosing Information provided is PER EYE:
BETAXOLOL 0.5% EYE DROPS 10ML: Total dose form amount of 6 DROP(S)/DAY exceeds the maximum daily dose form amount of 4 DROP(S)/DAY.

Max Single Dose Check warning + Max Daily Dose Check warning for standard med route of ‘NASAL’ (CPRS and Pharmacy)

Dosing Information provided is PER NOSTRIL:
CROMOLYN 40MG/ML (4%) NASAL SPRAY 26ML: Single dose form amount of 5 SPRAY(S) exceeds the maximum single dose form amount of 1 SPRAY(S).

CROMOLYN 40MG/ML (4%) NASAL SPRAY 26ML: Total dose form amount of 10 SPRAY(S)/DAY exceeds the maximum daily dose form amount of 6 SPRAY(S)/DAY.

Max Daily Dose Check cannot be done; General Dosing Information message displayed; standard med route of ‘OTIC’ (CPRS)

Max Daily Dose Check could not be done for Drug: ciprofloxacin 0.2 % Ear Dropperette, please complete a manual check for appropriate Dosing.

Dosing Information provided is PER EAR:
General dosing range for ciprofloxacin 0.2 % Ear Dropperette (OTIC): 10 DROP(S)/DAY to 10 DROP(S)/DAY

Both Dosing Checks could not be done; General Dosing message displayed for med route of ‘OTIC’ (Pharmacy)

Dosing Checks could not be performed for Drug: CIPROFLOXACIN 0.2 % EAR DROPPERETTE
Reason(s): Free Text Dosage could not be evaluated.

Dosing Information provided is PER EAR:
General dosing range for ciprofloxacin 0.2 % Ear Dropperette (OTIC): 10 DROP(S)/DAY to 10 DROP(S)/DAY

Max Single Dose Check and Max Daily Dose Check displayed on separate pages for standard med route of ‘NASAL’ (Pharmacy)

Dosing Information provided is PER NOSTRIL:
CROMOLYN 40MG/ML (4%) NASAL SPRAY 26ML: Single dose form amount of 5 SPRAY(S) exceeds the maximum single dose form amount of 1 SPRAY(S).

Press Return to continue...:

< Page 1 >

Dosing Information provided is PER NOSTRIL:

CROMOLYN 40MG/ML (4%) NASAL SPRAY 26ML: Total dose form amount of 10 SPRAY(S)/DAY exceeds the maximum daily dose form amount of 6 SPRAY(S)/DAY.

< Page 2 >

Complex order for Prednisolone (using ‘THEN’ conjunction) which has a Dosing Check summary (Pharmacy)

DOSING CHECK SUMMARY:

Dosing Information provided is PER EYE:

DOSE SEQ 1:

PREDNISOLONE 0.12% OPTH SOL: Single dose form amount of 5 DROP(S) exceeds the maximum single dose form amount of 2 DROP(S).

DOSE SEQ 2:

PREDNISOLONE 0.12% OPTH SOL: Single dose form amount of 4 DROP(S) exceeds the maximum single dose form amount of 2 DROP(S).

Press Return to continue...:

< Page 1 >

Dosing Information provided is PER EYE:

DOSE SEQ 3:

PREDNISOLONE 0.12% OPTH SOL: Single dose form amount of 3 DROP(S) exceeds the maximum single dose form amount of 2 DROP(S).

Do you want to Continue? Y//

< Page 2 >

Routines	Activities	
Routine Name	PSODOSN	
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
RTM	2.6.8.1, 2.6.8.1.1, 2.6.8.1.2, 2.6.8.1.3, 2.6.8.2, 2.6.8.2.1, 2.6.8.2.2, 2.6.8.2.3, 2.6.8.3, 2.6.8.3.1, 2.6.8.3.2, 2.6.8.3.3, 2.6.8.4, 2.6.8.5, 2.6.8.5.1, 2.5.8.5.2, 2.6.8.5.3, 2.6.8.6, 2.6.8.6.1, 2.6.8.6.2, 2.6.8.6.3, 2.6.8.7, 2.6.8.7.1, 2.6.8.7.2, 2.6.8.7.3, 2.6.8.8, 2.6.8.8.1, 2.6.8.9, 2.6.8.9.1, 2.6.8.9.2, 2.6.8.10	
Related Options	Patient Prescription Processing [PSO LM BACKDOOR ORDERS] Complete Orders from OERR [PSO LMOE FINISH] Discontinue Prescription(s) [PSO C] EDIT PRESCRIPTIONS [PSO RXEDIT]	
Related Routines	Routines “Called By”	Routines “Called”
		EN^PSODOSU2, \$\$GETGN^PSODOSUN, DATA^PSS50, SIG^XUSESIG
Routines	Activities	
Data Dictionary (DD) References	N/A	

Related Protocols	N/A
Related Integration Control Registrations (ICRs)	N/A
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local
Input Attribute Name and Definition	N/A
Output Attribute Name and Definition	N/A
Current Logic	
This routine contains dose check utilities and used in parsing data returned from FDB.	
Modified Logic (Changes are in bold)	

Routines	Activities	
Routine Name	PSODOSU2	
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
RTM	2.6.8.1, 2.6.8.1.1, 2.6.8.1.2, 2.6.8.1.3, 2.6.8.2, 2.6.8.2.1, 2.6.8.2.2, 2.6.8.2.3, 2.6.8.3, 2.6.8.3.1, 2.6.8.3.2, 2.6.8.3.3, 2.6.8.4, 2.6.8.5, 2.6.8.5.1, 2.5.8.5.2, 2.6.8.5.3, 2.6.8.6, 2.6.8.6.1, 2.6.8.6.2, 2.6.8.6.3, 2.6.8.7, 2.6.8.7.1, 2.6.8.7.2, 2.6.8.7.3, 2.6.8.8, 2.6.8.8.1, 2.6.8.9, 2.6.8.9.1, 2.6.8.9.2, 2.6.8.10	
Related Options	Patient Prescription Processing [PSO LM BACKDOOR ORDERS] Complete Orders from OERR [PSO LMOE FINISH] Discontinue Prescription(s) [PSO C] EDIT PRESCRIPTIONS [PSO RXEDIT]	
Related Routines	Routines "Called By"	Routines "Called"
	PSODOSUN	PSODOSUT
Routines	Activities	
Data Dictionary (DD) References	^TMP	
Related Protocols	N/A	
Related Integration Control Registrations (ICRs)	N/A	

Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local
Input Attribute Name and Definition	N/A
Output Attribute Name and Definition	N/A
Current Logic	
This routine parses data returned from Pharmacy Data Management as a result of a call to First Data Bank (FDB) for drug-drug and duplicate therapy order checks. The data is displayed to the user during order entry processing	
Modified Logic (Changes are in bold)	

Routines	Activities	
Routine Name	PSODOSUT	
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
RTM	2.6.8.1, 2.6.8.1.1, 2.6.8.1.2, 2.6.8.1.3, 2.6.8.2, 2.6.8.2.1, 2.6.8.2.2, 2.6.8.2.3, 2.6.8.3, 2.6.8.3.1, 2.6.8.3.2, 2.6.8.3.3, 2.6.8.4, 2.6.8.5, 2.6.8.5.1, 2.5.8.5.2, 2.6.8.5.3, 2.6.8.6, 2.6.8.6.1, 2.6.8.6.2, 2.6.8.6.3, 2.6.8.7, 2.6.8.7.1, 2.6.8.7.2, 2.6.8.7.3, 2.6.8.8, 2.6.8.8.1, 2.6.8.9, 2.6.8.9.1, 2.6.8.9.2, 2.6.8.10	
Related Options	Patient Prescription Processing [PSO LM BACKDOOR ORDERS] Complete Orders from OERR [PSO LMOE FINISH] Discontinue Prescription(s) [PSO C] EDIT PRESCRIPTIONS [PSO RXEDIT]	
Related Routines	Routines “Called By”	Routines “Called”
	PSOCAN2, PSODOSU2, PSOLBLD, PSOLLL8, PSOORED3, PSOORED4, PSOORED5, PSOORED6, PSOORNE1, PSOORNEW, PSORENW0, PSOVER1	PSOCAN4, PSODGDG1, PSODOSCL, PSODOSUN, PSORXI, PSSDSAPI, XUSESIG
Routines	Activities	
Data Dictionary (DD) References	52, ^TMP, ^UTILITY, ^XUSEC	
Related Protocols	N/A	

Related Integration Control Registrations (ICRs)	;External reference to \$\$\$DS^PSSDSAPI supported by DBIA 5425
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local
Input Attribute Name and Definition	N/A
Output Attribute Name and Definition	N/A
Current Logic	
This routine is the entry point for dosing order checks for new order, copy ,renew, edit, and reinstatement of Outpatient Pharmacy drug-drug and duplicate therapy order checks.	
Modified Logic (Changes are in bold)	

Routines	Activities	
Routine Name	To Be Determined	
Enhancement Category	<input type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
RTM	2.6.8.1, 2.6.8.1.1, 2.6.8.1.2, 2.6.8.1.3, 2.6.8.2, 2.6.8.2.1, 2.6.8.2.2, 2.6.8.2.3, 2.6.8.3, 2.6.8.3.1, 2.6.8.3.2, 2.6.8.3.3, 2.6.8.4, 2.6.8.5, 2.6.8.5.1, 2.5.8.5.2, 2.6.8.5.3, 2.6.8.6, 2.6.8.6.1, 2.6.8.6.2, 2.6.8.6.3, 2.6.8.7, 2.6.8.7.1, 2.6.8.7.2, 2.6.8.7.3, 2.6.8.8, 2.6.8.8.1, 2.6.8.9, 2.6.8.9.1, 2.6.8.9.2, 2.6.8.10	
Related Options		
Related Routines	Routines “Called By”	Routines “Called”
Routines	Activities	
Data Dictionary (DD) References		
Related Protocols		
Related Integration Control Registrations (ICRs)		
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	Name: Definition:	

Output Attribute Name and Definition	Name: Definition:
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local
Input Attribute Name and Definition	N/A
Output Attribute Name and Definition	N/A
Current Logic	
This routine displays the defined dosages for the drug during order entry	
Modified Logic (Changes are in bold)	

Verification Labels (RSD 2.6.9)

RSD 2.6.9.1

A prescription (Rx) label is generated to inform the pharmacist of a critical drug interaction which has occurred for an outpatient medication order entered by a user who does not hold the PSORPH key.

Associated CR 5703, CR 6389, and CR5794 is addressed by requirements in this section.

6.2.10.1.79 Functional Requirement 1 (2.6.9.1)

If either a Maximum Single Dose Order Check or Max Daily Dose Order Check warning occurs, the following text shall be used for the verification labels.

- DOSAGE EXCEEDS MAX SINGLE DOSE AND/OR MAX DAILY DOSE

See examples of label output that follows:

Critical Drug Interaction and Dosing Check

```

499 (5/ ) APR 23,2008@15:32
Rx# 2629 has caused a DRUG-DRUG INTERACTION with the following prescription(s):
2523     CRITICAL INTERACTION      WARFARIN 5MG TAB
2519     CRITICAL INTERACTION      PHENYTOIN NA (DILANTIN) 100MG SA CAP
2516     SIGNIFICANT INTERACTION    NIFEDIPINE 10MG CAP
2520     SIGNIFICANT INTERACTION    AMITRIPTYLINE 25MG TAB
DOSAGE EXCEEDS MAX SINGLE DOSE AND/OR MAX DAILY DOSE
This prescription was entered by: PSOTECH,ONE
This prescription requires intervention by a pharmacist
APR 23,2008  Fill 1 of 4
OPPATIENT,TWO  00-0000
TAKE TWO TABLETS BY MOUTH FOUR TIMES DAILY
Qty: 720  PSOTECH,ONE
Tech_____RPh_____
CIMETIDINE 300MG TAB
Routing: WINDOW
Days supply: 90 Cap: SAFETY
Isd: APR 23,2008 Exp: APR 24,2009
Stat SC Clinic: UNKNOWN
  
```

Dosing Check Only

499 (5/) APR 23,2008@15:38
 DOSAGE EXCEEDS MAX SINGLE DOSE AND/OR MAX DAILY DOSE
 This prescription was entered by: PSOTECH,ONE
 This prescription requires intervention by a pharmacist
 APR 23,2008 Fill 1 of 4
 OPPATIENT,TWO 00-0000
 TAKE ONE CAPSULE BY MOUTH EVERY 8 HOURS
 Qty: 270 PSOTECH, ONE
 Tech _____ RPh
 INDINAVIR 400MG CAP
 Routing: WINDOW
 Days supply: 90 Cap: SAFETY
 Isd: APR 23,2008 Exp: APR 24,2009
 Last Fill: N/A
 Pat. Stat SC Clinic: UNKNOWN

Routines	Activities	
Routine Name	PSOLBLD	
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
RTM	2.6.9.1	
Related Options	Patient Prescription Processing [PSO LM BACKDOOR ORDERS] Complete Orders from OERR [PSO LMOE FINISH] Reprint an Outpatient Rx Label [PSO RXRPT] Discontinue Prescription(s) [PSO C] EDIT PRESCRIPTIONS [PSO RXEDIT]	
Related Routines	Routines "Called By"	Routines "Called"
	PSOLBL, PSOLBLN2	PSODOSUT, PSOTRLBL, PSSDSAPI
Routines	Activities	
Data Dictionary (DD) References		
Related Protocols	N/A	
Related Integration Control Registrations (ICRs)	;External reference to ^PSDRUG supported by DBIA 221 ;External reference to \$\$DS^PSSDSAPI supported by DBIA 5425	
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	Name: Definition:	
Output Attribute Name and Definition	Name: Definition:	

Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local
Input Attribute Name and Definition	N/A
Output Attribute Name and Definition	N/A
Current Logic	
This routine is used to print 'old' drug interaction warning labels. These are non-laser labels.	
Modified Logic (Changes are in bold)	

Routines	Activities	
Routine Name	PSOLLL8	
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
RTM	2.6.9.1	
Related Options	Patient Prescription Processing [PSO LM BACKDOOR ORDERS] Complete Orders from OERR [PSO LMOE FINISH] Reprint an Outpatient Rx Label [PSO RXRPT]	
Related Routines	Routines "Called By"	Routines "Called"
	PSOLLLI	PSODOSUT, PSOFDAUT, PSSDSAPI
Routines	Activities	
Data Dictionary (DD) References	52.4, 52, 50	
Related Protocols	N/A	
Related Integration Control Registrations (ICRs)	;Reference to PS(56 supported by DBIA 2229 ;Reference to PSDRUG supported by DBIA 221 ;External reference to \$\$DS^PSSDSAPI supported by DBIA 5424	
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	N/A	
Output Attribute Name and Definition	N/A	
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	N/A	

Output Attribute Name and Definition	N/A
Current Logic	
This routine is used to print laser labels when drug interactions are present.	
Modified Logic (Changes are in bold)	

Routines	Activities	
Routine Name	To Be Determined	
Enhancement Category	<input type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
RTM	2.6.9.1	
Related Options		
Related Routines	Routines “Called By”	Routines “Called”
Routines	Activities	
Data Dictionary (DD) References		
Related Protocols		
Related Integration Control Registrations (ICRs)		
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	Name: Definition:	
Output Attribute Name and Definition	Name: Definition:	
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	N/A	
Output Attribute Name and Definition	N/A	
Current Logic		
This routine displays the defined dosages for the drug during order entry		

Modified Logic (Changes are in bold)

Routines	Activities	
Routine Name	To Be Determined	
Enhancement Category	<input type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
RTM	2.6.8.1, 2.6.8.1.1, 2.6.8.1.2, 2.6.8.1.3, 2.6.8.2, 2.6.8.2.1, 2.6.8.2.2, 2.6.8.2.3, 2.6.8.3, 2.6.8.3.1, 2.6.8.3.2, 2.6.8.3.3, 2.6.8.4, 2.6.8.5, 2.6.8.5.1, 2.5.8.5.2, 2.6.8.5.3, 2.6.8.6, 2.6.8.6.1, 2.6.8.6.2, 2.6.8.6.3, 2.6.8.7, 2.6.8.7.1, 2.6.8.7.2, 2.6.8.7.3, 2.6.8.8, 2.6.8.8.1, 2.6.8.9, 2.6.8.9.1, 2.6.8.9.2, 2.6.8.10	
Related Options		
Related Routines	Routines “Called By”	Routines “Called”
Routines	Activities	
Data Dictionary (DD) References		
Related Protocols		
Related Integration Control Registrations (ICRs)		
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	Name: Definition:	
Output Attribute Name and Definition	Name: Definition:	

Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local
Input Attribute Name and Definition	N/A
Output Attribute Name and Definition	N/A
Current Logic	

Modified Logic (Changes are in bold)

Available Dosage List (CR6583) (RSD 2.6.10)

RSD 2.6.10, 2.6.10.1, 2.6.10.2, 2.6.10.3

There will be changes made to the display of the available dosage list which will now include a page break after the third dosage. The scenarios that should be looked at are after a Therapeutic Duplication warning is displayed with or without a discontinuation prompt and when a significant Drug Interaction warning is displayed and the user responds 'No' to logging an intervention.

Associated CR 6583 is addressed by requirements in this section.

6.2.10.1.80 Functional Requirement 1 (2.6.10.1)

The software shall only perform a page break within a list of available dosages after the third dosage.

6.2.10.1.81 Functional Requirement 2 (2.6.10.2)

The following text changes shall be made to existing prompts (with or without a page break):

- 'Available Dosage(s):' **changed to** 'There are X Available Dosage(s):' where X represents the total number of dosages for the drug being ordered.
- 'Select from list of Available Dosages, Enter Free Text Dose Or Enter a Question Mark (?) to view list:' **changed to** 'Select from list of Available Dosages (1-X), Enter Free Text Dose or Enter a Question Mark (?) to view list:' where X is the total number of dosages for the drug being ordered.

6.2.10.1.82 Functional Requirement 3 (2.6.10.3)

The following text changes shall be made to the existing prompt when a page break occurs;

'Enter RETURN to continue or '^' to exit the list of dosages:' **changed to**
'Enter RETURN to view additional dosages or '^' to exit the list of dosages:'

See output displays below.

Break only after 3 dosages with text changes

```
There are 5 Available Dosage(s):
  1. 10MG
  2. 20MG
  3. 40MG
Enter RETURN to view additional dosages or '^' to exit list of dosages:
-----<Page Break>-----
  4. 80MG
  5. 120MG

Select from list of Available Dosages (1-5), Enter Free Text Dose
or Enter a Question Mark (?) to view list:
```

No break ; additional text changes

There are 2 Available Dosage(s):

1. 10MG
2. 20MG

Select from list of Available Dosages (1-2), Enter Free Text Dose
or Enter a Question Mark (?) to view list:

6.2.10.1.82.1 PSOBKDE1

Routines	Activities	
Routine Name	PSOBKDE1	
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
RTM	2.6.10, 2.6.10.1, 2.6.10.2, 2.6.10.3	
Related Options		
Related Routines	Routines "Called By"	Routines "Called"
	PSOBKDED	N/A
Routines	Activities	
Data Dictionary (DD) References	N/A	
Related Protocols	N/A	
Related Integration Control Registrations (ICRs)	;External reference to PSDRUG(supported by DBIA 221	
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	N/A	
Output Attribute Name and Definition	N/A	

Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local
Input Attribute Name and Definition	N/A
Output Attribute Name and Definition	N/A
Current Logic	
This routine displays the defined dosages for the drug during order entry	
Modified Logic (Changes are in bold)	
To prevent data from rolling off the screen, this routine PSOBKDE1 was modified as follows:	

- When there aren't any dosing sequences then the display will look like the following:

There isn't an Available Dosage:

1. Please Enter a Free Text Dosage.

Select from list of Available Dosages, Enter Free Text Dose
or Enter a Question Mark (?) to view list:

- When there is 1 dosing sequence, the prompt will look like:

There is 1 Available Dosage:

1. 300MG

Select from list of Available Dosages(1), Enter Free Text Dose
or Enter a Question Mark (?) to view list:

- When there are 2 dosing sequences, the prompt will look like:

There are 2 Available Dosages:

1. 0.25MCG
2. 0.5MCG

Select from list of Available Dosages (1-2), Enter Free Text Dose
or Enter a Question Mark (?) to view list:

- When three or more dosages are available, the system will display the first three dosages, display the "Enter RETURN to continue or '^' to exit the list of dosages:" prompt, and when the user enters display the next screen of dosages.

There are 30 Available Dosages:

1. 40MG
2. 80MG
3. 120MG

Enter RETURN to continue or '^' to exit the list of dosages:

4. 160MG
5. 200MG
6. 240MG
7. 280MG
8. 320MG
9. 360MG
10. 400MG
11. 440MG
12. 480MG
13. 520MG
14. 560MG
15. 600MG
16. 640MG
17. 680MG
18. 720MG
19. 760MG
20. 800MG
21. 840MG

Enter RETURN to continue or '^' to exit the list of dosages:

22. 880MG
23. 920MG
24. 960MG
25. 1000MG
26. 1040MG
27. 1080MG
28. 1120MG
29. 1160MG
30. 1200MG

Select from list of Available Dosages (1-30), Enter Free Text Dose
or Enter a Question Mark (?) to view list:

- When less than three dosages are available, the "Enter RETURN to continue or '^' to exit

the list of dosages:" will not be displayed.

- If the user up carets (^) out at the "Enter RETURN to continue or '^' to exit the list of dosages:" prompt, the system will continue to the following prompt for dosage selection:

Select from list of Available Dosages, Enter Free Text Dose
or Enter a Question Mark (?) to view list:

All of these changes apply to new order, copy, edit, renew, and finish of an order.

```
"DOSP" | PSOBKDEL.INT.1      PSOBKDEL.INT.1
*****
"DOSP" | PSOBKDEL.INT.1
+12 LST  N DIR I '$D(DOSE("DD")) D Q
.....
PSOBKDEL.INT.1
+12 LST  I '$D(DOSE("DD")) D Q
-----
"DOSP" | PSOBKDEL.INT.1
+22      N PSODOSCT S PSODOSCT=0
+23      F I=0:0 S I=$O(DOSE(I)) Q:'I!('$D(DOSE(I))) S PSODOSCT=I
.....
PSOBKDEL.INT.1
-----
"DOSP" | PSOBKDEL.INT.1
+26      .I PSODOSCT>3 D PAUSE:($Y+3)>20
+27      K DIRUT,DIR
.....
PSOBKDEL.INT.1
+24      .D PAUSE:($Y+3)>20
+25      K DIRUT
-----
"DOSP" | PSOBKDEL.INT.1
+31      K DIR S DIR("A")="Enter RETURN to continue or '^' to exit the list
of dosages",DIR(0)="E" W ! D ^DIR W @$G(IOF)
.....
PSOBKDEL.INT.1
+29      K DIR S DIR("A")="Enter RETURN to continue or '^' to exit the list
of dosages",DIR(0)="E" W ! D ^DIR
-----
"DOSP" | PSOBKDEL.INT.1
.....
PSOBKDEL.INT.1
+31      W @$G(IOF)
*****
CDEVISC1A2:DOSF>
```

6.2.10.1.82.2 PSOBKDED


Routines	Activities	
Routine Name	PSOBKDED	
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
RTM	2.6.10, 2.6.10.1, 2.6.10.2, 2.6.10.3	
Related Options		
Related Routines	Routines "Called By"	Routines "Called"
	PSOBKDED	N/A
Routines	Activities	

FDB's Drug Frequency	Order Frequency	Daily Dose Performed? (Yes/No)	Example
Equal to or greater than once/day	Out of Range	No	Metformin 500mg Q48H FDB Frequency = (low=1 and high=3)
Less than once/day	Once/day or greater	No	Risperidone 25mg/vial Inj SA SUSP (Inject 25mg IM daily) FDB Frequency= (low= .07 and high= .07)

Associated CR 3159, CR 3171, CR 2863, CR 2684, CR 3214, CR 3096, CR 2653, and CR 3806 are addressed by requirements in this section.

6.2.10.1.84 Functional Requirement 1 (2.6.11.1)

If the Max Daily Dose Order Check cannot be performed when processing orders through CPRS and the reason that is returned by FDB is 'Maximum daily dose check could not be done since frequency check failed', the PDM application shall perform the Max Daily Dose Order Check and return the results to CPRS.

Note:	Max Daily Dose Status code will be set to '5' – Unable to Check. Frequency Status Code will be set to either '3' – Exceeds Recommended or '4' – Below Recommended.
	See section 2.6.16 in the PDM RSD for details on the daily dose calculation.

6.2.10.1.84.1 Functional Requirement 1 (2.6.11.1.1)

A customized frequency message shall be displayed to the CPRS user if the daily dose calculated by the PDM application passes the Max Daily Dose Order Check.

Please see the M2-1_PDM_RSD_v2, section 2.6.20 (Customized Frequency Message) for details on the customized frequency message. See examples that follow:

Recommended frequency of METFORMIN 500MG TAB is 1 to 3 times per day

Or

Recommended frequency of NITROGLYCERIN PATCHES 0.1MG/HR is 1 time(s) per day.

Or

Recommended frequency of EPOETIN ALFA, RECOMB 10,000UNIT/ML INJ is every 2 day(s) to 7 days.

Or

Recommended frequency of RISPERIDONE 25MG/VI SUSP SA INJ is every 14 days.

6.2.10.1.84.2 Functional Requirement 2 (2.6.11.1.2)

If the daily dose calculated by the PDM application fails the Max Daily Dose Order Check, a Max Daily Dose Order Check warning message with a customized frequency message shall be displayed to the CPRS user.

Please see the M2-1_PDM_RSD_v2, section 2.6.22 (Display of Max Daily Warning when Daily Dose Calculated) for details on the Max Daily Dose warning message when the Max Daily Dose Order Check is performed by the PDM application .

See an example that follows:

```
ENOXAPARIN 40MG/0.4ML INJ: Total dose amount of 500 MILLIGRAMS/DAY exceeds the maximum
daily dose amount of 204.55 MILLIGRAMS/DAY.

Recommended administration of ENOXAPARIN 40MG/0.4ML INJ is 1 to 2 times per day.
```

6.2.10.1.84.3 Functional Requirement 3 (2.6.11.1.3)

If the daily dose could not be calculated by the PDM application, an error message, general dosing information messages, and a customized frequency message shall be displayed to the CPRS user.

```
Max Daily Dose Check could not be done for Drug: ENOXAPARIN 40MG/0.4ML INJ, please
complete a manual check for appropriate Dosing.

Recommended administration of ENOXAPARIN 40MG/0.4ML INJ is 1 to 2 times per day.

General dosing range for ENOXAPARIN 40MG/0.4ML INJ (SUBCUTANEOUS): 40 milligram per day
to 3 milligram per kilogram per day
```

6.2.10.1.85 Functional Requirement 2 (2.6.11.2)

If the Max Daily Dose Order Check cannot be performed when processing orders through the Pharmacy backdoor and the reason that is returned by FDB is 'Maximum daily dose check could not be done since frequency check failed', the PDM application shall perform the Max Daily Dose Order Check and return the results to Outpatient Pharmacy.

6.2.10.1.85.1 Functional Requirement 1 (2.6.11.2.1)

A customized frequency message shall be displayed to the pharmacy user if the daily dose calculated by the PDM application passes the Max Daily Dose Order Check.

Please see the M2-1_PDM_RSD_v2, section 2.6.20 (Customized Frequency Message) for details on the customized frequency message. See examples that follow:

```
Recommended frequency of METFORMIN 500MG TAB is 1 to 3 times per day
```

Or

```
Recommended frequency of NITROGLYCERIN PATCHES 0.1MG/HR is 1 time(s) per day.
```

Or

```
Recommended frequency of EPOETIN ALFA,RECOMB 10,000UNIT/ML INJ is every 2 day(s) to 7
days.
```

Or

```
Recommended frequency of RISPERIDONE 25MG/VI SUSP SA INJ is every 14 days.
```

6.2.10.1.85.2 Functional Requirement 2 (2.6.11.2.2)

If the daily dose calculated by the PDM application fails the Max Daily Dose Order Check, a Max Daily Dose Order Check warning message with a customized frequency message shall be displayed to the pharmacy user.

Please see the M2-1_PDM_RSD_v2, section 2.6.22 (Display of Max Daily Warning when Daily Dose Calculated) for details on the Max Daily Dose warning message when the Max Daily Dose Order Check is performed by the PDM application . See an example that follows:

ENOXAPARIN 40MG/0.4ML INJ: Total dose amount of 500 MILLIGRAMS/DAY exceeds the maximum daily dose amount of 204.55 MILLIGRAMS/DAY.

Recommended administration of ENOXAPARIN 40MG/0.4ML INJ is 1 to 2 times per day.

6.2.10.1.85.3 Functional Requirement 3 (2.6.11.2.3)

If the daily dose could not be calculated by the PDM application, an error message, general dosing information messages and a customized frequency message shall be displayed to the pharmacy user.

Max Daily Dose Check could not be performed for Drug: ENOXAPARIN 40MG/0.4ML INJ
Reason(s): Maximum daily dose check could not be done since frequency check failed.

Recommended administration of ENOXAPARIN 40MG/0.4ML INJ is 1 to 2 times per day.

General dosing range for ENOXAPARIN 40MG/0.4ML INJ (SUBCUTANEOUS): 40 milligram per day to 3 milligram per kilogram per day

6.2.10.1.86 Functional Requirement 3 (2.6.11.3)

Processing through Outpatient Pharmacy backdoor options shall apply to the following actions:

- Entering a new order
- Finishing a pending order
- Renewing an order
- Editing the following fields:
 - Orderable Item
 - Dispense Drug
 - Dosage
 - Dispense Units
 - Route
 - Schedule
 - Conjunction
- Verifying an order
- Copying an order
- Reinstating a discontinued order

Routines	Activities
Routine Name	PSODOSN
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change
RTM	2.6.11, 2.6.11.1, 2.6.11.2, 2.6.11.3, 2.6.11.2, 2.6.11.2.1, 2.6.11.2.2, 2.6.11.2.3, 2.6.11.3

Related Options	Patient Prescription Processing [PSO LM BACKDOOR ORDERS] Complete Orders from OERR [PSO LMOE FINISH] Discontinue Prescription(s) [PSO C] EDIT PRESCRIPTIONS [PSO RXEDIT]	
Related Routines	Routines “Called By”	Routines “Called”
		EN^PSODOSU2, \$\$GETGN^PSODOSUN, DATA^PSS50, SIG^XUSESIG
Routines	Activities	
Data Dictionary (DD) References	N/A	
Related Protocols	N/A	
Related Integration Control Registrations (ICRs)	N/A	
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	N/A	
Output Attribute Name and Definition	N/A	
Current Logic		
This routine contains dose check utilities and used in parsing data returned from FDB.		
Modified Logic (Changes are in bold)		

Routines	Activities
Routine Name	PSODOSU2
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change
RTM	2.6.11, 2.6.11.1, 2.6.11.2, 2.6.11.3, 2.6.11.2, 2.6.11.2.1, 2.6.11.2.2, 2.6.11.2.3, 2.6.11.3
Related Options	Patient Prescription Processing [PSO LM BACKDOOR ORDERS] Complete Orders from OERR [PSO LMOE FINISH] Discontinue Prescription(s) [PSO C] EDIT PRESCRIPTIONS [PSO RXEDIT]

Related Routines	Routines “Called By”	Routines “Called”
	PSODOSUN	PSODOSUT
Routines	Activities	
Data Dictionary (DD) References	^TMP	
Related Protocols	N/A	
Related Integration Control Registrations (ICRs)	N/A	
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	N/A	
Output Attribute Name and Definition	N/A	
Current Logic		
This routine parses data returned from Pharmacy Data Management as a result of a call to First Data Bank (FDB) for drug-drug and duplicate therapy order checks. The data is displayed to the user during order entry processing		
Modified Logic (Changes are in bold)		

Routines	Activities
Routine Name	PSODOSUT
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change
RTM	2.6.11, 2.6.11.1, 2.6.11.2, 2.6.11.3, 2.6.11.2, 2.6.11.2.1, 2.6.11.2.2, 2.6.11.2.3, 2.6.11.3
Related Options	Patient Prescription Processing [PSO LM BACKDOOR ORDERS] Complete Orders from OERR [PSO LMOE FINISH] Discontinue Prescription(s) [PSO C] EDIT PRESCRIPTIONS [PSO RXEDIT]

Related Routines	Routines “Called By”	Routines “Called”
	PSOCAN2, PSODOSU2, PSOLBLD, PSOLLL8, PSOORED3, PSOORED4, PSOORED5, PSOORED6, PSOORNE1, PSOORNEW, PSORENW0, PSOVER1	PSOCAN4, PSODGDG1, PSODOSCL, PSODOSUN, PSORXI, PSSDSAPI, XUSESIG
Routines	Activities	
Data Dictionary (DD) References	52, ^TMP, ^UTILITY, ^XUSEC	
Related Protocols	N/A	
Related Integration Control Registrations (ICRs)	;External reference to \$\$DS^PSSDSAPI supported by DBIA 5425	
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	N/A	
Output Attribute Name and Definition	N/A	
Current Logic		
This routine is the entry point for dosing order checks for new order, copy ,renew, edit, and reinstatement of Outpatient Pharmacy drug-drug and duplicate therapy order checks.		
Modified Logic (Changes are in bold)		

Routines	Activities	
Routine Name	To Be Determined	
Enhancement Category	<input type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
RTM	2.6.11, 2.6.11.1, 2.6.11.2, 2.6.11.3, 2.6.11.2, 2.6.11.2.1, 2.6.11.2.2, 2.6.11.2.3, 2.6.11.3	
Related Options		
Related Routines	Routines “Called By”	Routines “Called”

Routines	Activities
Data Dictionary (DD) References	
Related Protocols	
Related Integration Control Registrations (ICRs)	
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local
Input Attribute Name and Definition	Name: Definition:
Output Attribute Name and Definition	Name: Definition:

Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local
Input Attribute Name and Definition	N/A
Output Attribute Name and Definition	N/A
Current Logic	
This routine displays the defined dosages for the drug during order entry	
Modified Logic (Changes are in bold)	

Drug Interaction Order Checks – Exclude Expired OP Orders (RSD 2.6.12)

RSD 2.6.12, 2.6.12.1

Outpatient Pharmacy screens out medication orders with an expired status for Drug Interaction Order Checks, but CPRS does not. Changes will be made to screen out expired orders for Drug Interaction Order Checks on the CPRS side to be consistent with the Outpatient Pharmacy application.

Associated CR 6556 is addressed by requirements in this section.

6.2.10.1.87 Functional Requirement 1 (2.6.12.1)

Expired Outpatient orders on a patient's profile in CPRS shall not participate in Drug Interaction Order Checks.

Routines	Activities
Routine Name	PSODDPRE
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change

RTM	2.6.12, 2.6.12.1	
Related Options	Patient Prescription Processing [PSO LM BACKDOOR ORDERS] Complete Orders from OERR [PSO LMOE FINISH] Discontinue Prescription(s) [PSO C] EDIT PRESCRIPTIONS [PSO RXEDIT]	
Related Routines	Routines “Called By”	Routines “Called”
	PSOCPPRE, PSODDPR8, PSODRG	PSNAPIS, PSOBUILD, PSOCMOPA, PSOCPPRE, PSODDPR1, PSODDPR2, PSOFUNC, PSOUTL, PSOUTLA, PSOOUTLA1, PSSDSAPI, PSSDSAPM, PSSHRQ2, PSSLOCK
Routines	Activities	
Data Dictionary (DD) References	50.606, 50.7, 52.41, 53, 55, 50, 52, 200	
Related Protocols	N/A	
Related Integration Control Registrations (ICRs)	;External references PSOL and PSOUL^PSSLOCK supported by DBIA 2789 ;External references to ^PSSDSAPM supported by DBIA 5570 ;External references to ^PSSHRQ2 supported by DBIA 5369 ;External reference to ^PS(50.7 supported by DBIA 2223 ;External reference to ^PS(55 supported by DBIA 2228 ;External reference to ^PSDRUG(supported by DBIA 221 ;External reference to ^PS(50.606 supported by DBIA 2174 ;External reference to \$\$SUP^PSSDSAPI supported by DBIA 5425	
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	N/A	
Output Attribute Name and Definition	N/A	
Current Logic		
This routine is the main driver for enhanced order checking for drug interactions.		
Modified Logic (Changes are in bold)		

Routines	Activities
Routine Name	PSODDPR4
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change

RTM	2.6.12, 2.6.12.1	
Related Options		
Related Routines	Routines “Called By”	Routines “Called”
	PSOCPPRE, PSODDPR8, ORKPS, PSJOC	ORRDI1, PSJBLDOC, PSJORUT2, PSNAPIS, PSOBUILD, PSODDPR2, PSODDPRE, PSOORDRG, PSOORRDI, PSORX1, PSSDSAPM, PSSHRQ2
Routines	Activities	
Data Dictionary (DD) References	50.606, 50.7, 52.41, 55, 50, 52	
Related Protocols	N/A	
Related Integration Control Registrations (ICRs)	;External references to ^ORRDI1 supported by DBIA 4659 ;External references to ^XTMP("ORRDI" supported by DBIA 4660 ;External reference to ^PSDRUG supported by DBIA 221 ;External reference to IN^PSJBLDOC supported by DBIA 5306 ;External references to ^PSSDSAPM supported by DBIA 5570 ;External reference to ^PS(55 supported by DBIA 2228 ;External reference to ENCHK^PSJORUT2 supported by DBIA 2376 ;External reference to IN^PSSHRQ2 supported by DBIA 5369 ;External reference to ^PS(50.606 supported by DBIA 2174 ;External reference to ^PS(50.7 supported by DBIA 2223	
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	N/A	
Output Attribute Name and Definition	N/A	
Current Logic	This routine is an API called by CPRS and Inpatient Medications package to retrieve drug interaction information.	
Modified Logic (Changes are in bold)		

6.2.11 System Features – PDM

6.2.11.1.1 Max Daily Dose Order Check (RSD 2.6.1)

RSD 2.6.1.1, 2.6.1.2, 2.6.1.3, 2.6.1.4, 2.6.1.5

See RSD for details

Routines	Activities
Routine Name	PSSHRIT
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change

Routines	Activities	
Routine Name	PSSHRT	
RTM	2.6.1.1	
Related Options	Check PEPS Services Setup [PSS CHECK PEPS SERVICES SETUP] This option runs “generic” checks on all of the order checks, and the Dosing check has been changed accordingly to now use Max Daily Dose Order Check.	
Related Routines	Routines “Called By”	Routines “Called”
Routines	Activities	
Data Dictionary (DD) References		
Related Protocols		
Related Integration Control Registrations (ICRs)		
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	Name: Definition:	
Output Attribute Name and Definition	Name: Definition:	
Current Logic		
S TOTAL=\$G(^TMP(\$J,BASE,"OUT","DOSE",ORDER,PSDRUG1,"RANGE","MESSAGE",0))		
Modified Logic (Changes are in bold)		
S TOTAL=\$G(^TMP(\$J,BASE,"OUT","DOSE",ORDER,PSDRUG1,"DAILYMAX","MESSAGE",0))		

Routines	Activities	
Routine Name	PSSDSEXC	
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
RTM	2.6.1.1, 2.6.1.2, 2.6.1.3, 2.6.1.4, 2.6.1.5	
Related Options		
Related Routines	Routines “Called By”	Routines “Called”
		All Inpatient, Outpatient, and CPRS Dosing checks come through here.

Routines	Activities
Data Dictionary (DD) References	
Related Protocols	
Related Integration Control Registrations (ICRs)	
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local
Input Attribute Name and Definition	Name: Definition:
Output Attribute Name and Definition	Name: Definition:
Current Logic	
<pre> +150 S PSSDWE9=\$G(^TMP(\$J,PSSDBASE,"OUT","DOSE",PSSDWE5,PSSDWD RG,"RANGE" , "STATUSCODE",PSSDWIEN)) +154 .I PSSDBASA S ^TMP(\$J,PSSDBASF,"OUT","DOSE",PSSDWE5,PSSDWD RG,"2_RANGE","MESSAGE",PSSDWIEN)=PSSDWD RG_" : " _^TMP(\$J,PSSDBASE,"OUT","DOSE",PSSDWE5,PSSDWD RG,"RANGE","MESSAGE",PSSDWIEN) +155 .I PSSDBASB S ^TMP(\$J,PSSDBASG,"OUT",PSSDWE5,"MESSAGE","2_RANGE",PSSDWIEN)=PSSDWD RG_" : " _^TMP(\$J,PSSDBASE,"OUT","DOSE",PSSDWE5,PSSDWD RG,"RANGE","MESSAGE",PSSDWIEN) </pre>	
Modified Logic (Changes are in bold)	
<pre> +150 S PSSDWE9=\$G(^TMP(\$J,PSSDBASE,"OUT","DOSE",PSSDWE5,PSSDWD RG,"DAILYMAX", "STATUSCODE",PSSDWIEN)) +154 .I PSSDBASA S ^TMP(\$J,PSSDBASF,"OUT","DOSE",PSSDWE5,PSSDWD RG,"2_RANGE","MESSAGE",PSSDWIEN)=PSSDWD RG_" : " _^TMP(\$J,PSSDBASE,"OUT","DOSE",PSSDWE5,PSSDWD RG,"DAILYMAX", "MESSAGE",PSSDWIEN) +155 .I PSSDBASB S ^TMP(\$J,PSSDBASG,"OUT",PSSDWE5,"MESSAGE","2_RANGE",PSSDWIEN)=PSSDWD RG_" : " _^TMP(\$J,PSSDBASE,"OUT","DOSE",PSSDWE5,PSSDWD RG,"DAILYMAX", "MESSAGE",PSSDWIEN) </pre>	

Routines	Activities				
Routine Name	PSSDSAPD				
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change				
RTM	2.6.1.1, 2.6.1.2, 2.6.1.3, 2.6.1.4, 2.6.1.5				
Related Options	All Order entry options from Outpatient, Inpatient, and CPRS.				
Related Routines	<table border="1"> <tr> <th>Routines "Called By"</th><th>Routines "Called"</th></tr> <tr> <td></td><td></td></tr> </table>	Routines "Called By"	Routines "Called"		
Routines "Called By"	Routines "Called"				

Routines	Activities
Data Dictionary (DD) References	
Related Protocols	
Related Integration Control Registrations (ICRs)	
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local
Input Attribute Name and Definition	Name: Definition:
Output Attribute Name and Definition	Name: Definition:
Current Logic	
<pre> +66 I PSSDBASA!(PSSDBASB) D FMT^PSSDSEXC I \$P(\$G(^TMP(\$J,PSSDBASE,"OUT" ,0)), "^")'=-1 D ADDCT^PSSDSAPM,REM^PSSDSAPA +84 S PSSDSLCL=\$S(\$G(PSSDBDS(PSSDBLP,"DOSE"))'="":\$P(\$G(PSSDBDS(PSSDBLP ,"DOSE")), "&", 5), 1:\$G(PSSDBDS(PSSDBLP,"DO"))) </pre>	
Modified Logic (Changes are in bold)	
<pre> +66 I PSSDBASA!(PSSDBASB) D FMT^PSSDSEXC I \$P(\$G(^TMP(\$J,PSSDBASE,"OUT" ,0)), "^")'=-1 D ADDCT^PSSDSA +84 S PSSDSLCL=\$S(\$G(PSSDBDS(PSSDBLP,"DOSE"))'="":\$P(PSSDBDS(PSSDBLP,"DOSE"), "&", 5), 1:\$G(PSSDBDS(PSSDBLP,"DO"))) </pre>	

Routines	Activities	
Routine Name	To Be Determined	
Enhancement Category	<input type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
RTM		
Related Options		
Related Routines	Routines "Called By"	Routines "Called"
Routines	Activities	
Data Dictionary (DD) References		
Related Protocols		
Related Integration Control Registrations (ICRs)		

Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local
Input Attribute Name and Definition	Name: Definition:
Output Attribute Name and Definition	Name: Definition:
Current Logic	
Modified Logic (Changes are in bold)	

6.2.11.1.2 General Dosing Information Messages (RSD 2.6.2)

RSD 2.6.2.1, 2.6.2.2, 2.6.2.2.1, 2.6.2.2.2, 2.6.2.2.3, 2.6.2.2.4,, 2.6.2.3, 2.6.2.4, 2.6.2.5, 2.6.2.6, 2.6.2.7, 2.6.2.8

See RSD for details

Routines	Activities	
Routine Name	To Be Determined	
Enhancement Category	<input type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
RTM		
Related Options		
Related Routines	Routines “Called By”	Routines “Called”
Routines	Activities	
Data Dictionary (DD) References		
Related Protocols		
Related Integration Control Registrations (ICRs)		
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	Name: Definition:	
Output Attribute Name and Definition	Name: Definition:	

Current Logic
Modified Logic (Changes are in bold)

6.2.11.1.3 Functional Requirement (RSD 2.6.2.1)

The general dosing information messages shall be comprised of the following:

- Drug Name
- FDB DoseRouteDescription
- FDB DoseLow or FDB DoseFormLow
- FDB DoseLowUnit or FDB DoseFormLowUnit
- FDB DoseHigh or FDB DoseFormHigh
- FDB DoseHighUnit or FDB DoseFormHighUnit
- FDB MaxDailyDose or FDB MaxDailyDoseForm
- FDB MaxDailyDoseUnit or FDB MaxDailyDoseFormUnit

6.2.11.1.4 Functional Requirement (RSD 2.6.2.3)

The DOSE FORM INDICATOR field (#3) in the DOSE UNITS file (#51.24) shall indicate whether or not the Dose Form type values shall be used.

6.2.11.1.5 Functional Requirement (RSD 2.6.2.4)

The following display rules shall be applied for the FDB DoseLow and FDB DoseHigh values:


- If after a decimal only zeros exist, do not display (i.e. 600.0 or 600.00 display 600)
- Maintain leading zeros (i.e. 0.25)
- Round to 3 decimal places. If result is '0' after 3 decimal places, return all 5 decimal places.

6.2.11.1.6 Functional Requirement (RSD 2.6.5.2)

If the patient's age is not available, Dosing Order Checks will not be performed and the user through CPRS shall see the following order level error message without a specific reason:

Age required (CPRS)

Dosing Checks could not be done for Drug: <DRUG NAME>, please complete a manual check for appropriate Dosing.

Note:	General dosing information cannot be provided because age is a required parameter.
	

6.2.11.1.7 Functional Requirement (RSD 2.6.5.5)

If the patient's weight is not available and a weight is required for a Maximum Single Dose Order Check to be performed, an order level error message with a reason shall be displayed to the user through CPRS.

6.2.11.1.7.1 Functional Requirement (RSD 2.6.5.5.1)

The order level error message reason that shall be displayed when a weight is required but unavailable to the CPRS user is 'No weight documented for patient'.

Weight required (CPRS)

```
Maximum Single Dose Check could not be done for Drug: GENTAMICIN 40MG/ML 2ML INJ  
Reason(s): No weight documented for patient
```

6.2.11.1.8 Functional Requirement (RSD 2.6.5.6)

If the patient's weight is not available and a weight is required for a Max Daily Dose Order Check to be performed, an order level error message with a reason along with general dosing information messages shall be displayed to the user through CPRS.

6.2.11.1.8.1 Functional Requirement (RSD 2.6.5.6.1)

The order level error message reason that shall be displayed when a weight is required but unavailable to the CPRS user is 'No weight documented for patient'.

Weight required (CPRS)

```
Max Daily Dose Check could not be done for Drug: GENTAMICIN 40MG/ML 2ML INJ  
Reason(s): No weight documented for patient  
  
General dosing range for GENTAMICIN 40MG/ML 2ML INJ (INTRAMUSCULAR): 1.5 milligrams per  
kilogram per day to 7 milligrams per kilogram per day. Maximum daily dose is 630  
milligrams per day.
```

6.2.11.1.9 Functional Requirement (RSD 2.6.5.7)

If both the Maximum Single Dose Order Check and Max Daily Dose Order Check cannot be performed because a weight is required and the patient's weight is not available, only one error message with a reason along with general dosing information messages shall be displayed to the user through CPRS.

6.2.11.1.9.1 Functional Requirement (RSD 2.6.5.7.1)

The order level error message reason that shall be displayed when a weight is required but unavailable to the CPRS user is 'No weight documented for patient'.

Weight required (CPRS)

```
Dosing Checks could not be done for Drug: GENTAMICIN 40MG/ML 2ML INJ  
Reason(s): No weight documented for patient  
  
General dosing range for GENTAMICIN 40MG/ML 2ML INJ (INTRAMUSCULAR): 1.5 milligram per  
kilogram per day to 7 milligram per kilogram per day. Maximum daily dose is 630  
milligram per day.
```

6.2.11.1.10 Functional Requirement (RSD 2.6.5.10)

If the patient's BSA is not available because a height and/or weight was not available to perform the calculation and a BSA is required for a Maximum Single Dose Order Check to be performed, an order level error message with a reason shall be displayed to the user through CPRS.

6.2.11.1.10.1 Functional Requirement (RSD 2.6.5.10.1)

The order level error message reason that shall be displayed to the CPRS user when a BSA is required but the height and/or weight was unavailable is ‘No weight and/or height documented for patient’.

BSA required (CPRS)

```
Maximum Single Dose Check could not be done for Drug: LOMUSTINE 100MG CAP  
Reason(s): No weight and/or height documented for patient
```

6.2.11.1.11 Functional Requirement (RSD 2.6.5.11)

If the patient’s BSA is not available because a height and/or weight was not available to perform the calculation and a BSA is required for a Max Daily Dose Order Check to be performed, an order level error message with a reason along with general dosing information messages shall be displayed to the user through CPRS.

6.2.11.1.11.1 Functional Requirement (RSD 2.6.5.11.1)

The order level error message reason that shall be displayed to the CPRS user when a BSA is required but the height and/or weight was unavailable is ‘No weight and/or height documented for patient’.

BSA required (CPRS)

```
Max Daily Dose Check could not be done for Drug: LOMUSTINE 100MG CAP  
Reason(s): No weight and/or height documented for patient
```

6.2.11.1.12 Functional Requirement (RSD 2.6.5.12)

If both the Maximum Single Dose Order Check and Max Daily Dose Order Check cannot be performed because a BSA is required and the patient’s weight and/or height is not available, only one error message with a reason along with general dosing information messages shall be displayed to the CPRS user.

6.2.11.1.12.1 Functional Requirement (RSD 2.6.5.12.1)

The order level error message reason that shall be displayed to the CPRS user when a BSA is required but the height and/or weight was unavailable is ‘No weight and/or height documented for patient’.

BSA required (CPRS)


```
Dosing Checks could not be done for Drug: LOMUSTINE 100MG CAP  
Reason(s): No weight and/or height documented for patient  
  
General dosing range for LOMUSTINE 100MG CAP (ORAL): 100 milligrams per meter squared  
per day to 130 milligrams per meter squared per day. Maximum daily dose is 261.780  
milligrams per day.
```

6.2.11.1.13 Functional Requirement (RSD 2.6.5.14)

If Dosing Order Checks cannot be performed because a FDB Dose Route cannot be determined, an order level error message without a specific reason shall be displayed to the user through CPRS.

FDB Dose Route Undefined (CPRS)

```
Dosing Checks could not be done for Drug: GABAPENTIN 600MG TAB, please complete a manual  
check for appropriate Dosing.
```

Note:	General dosing information cannot be provided if the medication route is not defined.
	

6.2.11.1.14 Functional Requirement (RSD 2.6.5.16)

If a Max Daily Dose Order Check cannot be performed because the frequency for the order is invalid or undefined, an order level error message without a specific reason along with general dosing information messages shall be displayed to the user through CPRS.

Frequency Invalid or undefined (CPRS)

Max Daily Dose Check could not be done for Drug: GABAPENTIN 600MG TAB, please complete a manual check for appropriate Dosing.

General dosing range for GABAPENTIN 600MG TAB (ORAL): 300 milligrams per day to 1800 milligrams per day. Maximum daily dose is 1800 milligrams per day.

6.2.11.1.15 Functional Requirement (RSD 2.6.5.17)

In order to obtain general dosing information for a drug when a frequency could not be determined, the following ‘dummy data’ shall be sent into the interface for the Dosing Order Checks.

6.2.11.1.15.1 Functional Requirement (RSD 2.6.5.17.1)

The duration rate shall be set to the dose rate value (as determined from the order) and sent into the interface.

6.2.11.1.15.2 Functional Requirement (RSD 2.6.5.17.2)

The value of ‘1’ shall be sent into the interface for the frequency and duration.

6.2.11.1.16 Functional Requirement (RSD 2.6.5.19)

In order to obtain general dosing information for a dispense drug associated with an IV Additive or IV Solution (marked as PreMix) when a frequency could not be evaluated, the following ‘dummy data’ shall be sent into the interface for an IV order with an IV Type of ‘Piggyback’, ‘Intermittent Syringe’, ‘Chemotherapy Piggyback’, or ‘Chemotherapy Intermittent Syringe’ or CPRS Intermittent IV order and dose type of ‘Maintenance’.

6.2.11.1.16.1 Functional Requirement (RSD 2.6.5.19.1)

The duration rate shall be set to the dose rate value (as determined from the order) and sent into the interface.

6.2.11.1.16.2 Functional Requirement (RSD 2.6.5.19.2)

The value of ‘1’ shall be sent into the interface for frequency and duration.

6.2.11.1.17 Functional Requirement (RSD 2.6.5.22)

If the frequency is greater than the order duration (i.e. Q4H for 2 hours), a Max Daily Dose Order Check shall not be performed and an order level error message without a specific reason along with general dosing information messages shall be displayed to the user through CPRS.

Frequency greater than order duration (CPRS)

Max Daily Dose Check could not be done for Drug: GABAPENTIN 600MG TAB, please complete a manual check for appropriate Dosing.

General dosing range for GABAPENTIN 600MG TAB (ORAL): 300 milligrams per day to 1800 milligrams per day. Maximum daily dose is 1800 milligrams per day.

6.2.11.1.18 Functional Requirement (RSD 2.6.5.24)

If Dosing Order Checks cannot be performed because the single dose amount cannot be determined, an order level error message without a specific reason along with general dosing information messages shall be displayed to the user through CPRS.

Single Dose Amount cannot be determined (CPRS)

Dosing Checks could not be done for Drug: <Drug Name>, please complete a manual check for appropriate Dosing.

'General dosing range for' DRUG NAME (FDB DoseRouteDescription): DoseLow<sp>DoseLowUnit 'to' DoseHigh<sp>DoseHighUnit. 'Maximum daily dose is 'MaxDailyDose<sp>MaxDailyDoseUnit.

Or

Dosing Checks could not be done for Drug: <Drug Name>, please complete a manual check for appropriate Dosing.

'General dosing range for' DRUG NAME (FDB DoseRouteDescription): DoseFormLow<sp>DoseFormLowUnit 'to' DoseFormHigh<sp>DoseFormHighUnit. 'Maximum daily dose is 'MaxDailyDoseForm<sp>MaxDailyDoseFormUnit.

6.2.11.1.19 Functional Requirement (RSD 2.6.5.26)

If Dosing Order Checks cannot be performed because the Dose Unit cannot be determined, an order level error message without a specific reason along with general dosing information messages shall be displayed to the user through CPRS.

Dose Unit cannot be determined (CPRS)

Dosing Checks could not be done for Drug: <Drug Name>, please complete a manual check for appropriate Dosing.

'General dosing range for' DRUG NAME (FDB DoseRouteDescription): DoseLow<sp>DoseLowUnit 'to' DoseHigh<sp>DoseHighUnit. 'Maximum daily dose is 'MaxDailyDose<sp>MaxDailyDoseUnit.

Or

Dosing Checks could not be done for Drug: <Drug Name>, please complete a manual check for appropriate Dosing.

'General dosing range for' DRUG NAME (FDB DoseRouteDescription): DoseFormLow<sp>DoseFormLowUnit 'to' DoseFormHigh<sp>DoseFormHighUnit. 'Maximum daily dose is 'MaxDailyDoseForm<sp>MaxDailyDoseFormUnit.

6.2.11.1.20 Functional Requirement (RSD 2.6.5.28)

If Dosing Order Checks cannot be performed because a local possible dosage defined for a dispense drug is selected for an order which does not have a numeric dose and dose unit defined, and for which a numeric dose and dose unit cannot be derived using the free text logic, an order level error message without a specific reason along with general dosing information messages shall be displayed to the user through CPRS.

Single Dose Amount & Dose Unit cannot be derived from LPD (CPRS)

Dosing Checks could not be done for Drug: <Drug Name>, please complete a manual check for appropriate Dosing.

'General dosing range for' DRUG NAME (FDB DoseRouteDescription): DoseLow<sp>DoseLowUnit 'to' DoseHigh<sp>DoseHighUnit. 'Maximum daily dose is 'MaxDailyDose<sp>MaxDailyDoseUnit.

Or


```
Dosing Checks could not be done for Drug: <Drug Name>, please complete a manual check for appropriate Dosing.
```

```
'General dosing range for' DRUG NAME (FDB DoseRouteDescription):  
DoseFormLow<sp>DoseFormLowUnit 'to' DoseFormHigh<sp>DoseFormHighUnit. 'Maximum daily  
dose is 'MaxDailyDoseForm<sp>MaxDailyDoseFormUnit.
```

6.2.11.1.21 Functional Requirement (RSD 2.6.5.29)

In order to obtain general dosing information for a dispense drug for which a dosage ordered could not be evaluated the following 'dummy data' shall be sent into the interface.

6.2.11.1.21.1 Functional Requirement (RSD 2.6.5.29.1)

The value of '1' shall be sent into the interface for the single dose amount.

6.2.11.1.21.2 Functional Requirement (RSD 2.6.5.29.2)

The following logic shall be used to determine the dose unit:

- Retrieve the drug unit from the Dispense Drug's VA Product match and do a look up on the NAME, SYNONYM, and FIRST DATABANK DOSE UNIT fields in the DOSE UNITS file (#51.24). If an exact match is found get the FDB dose unit equivalent and send to interface.
- If nothing is found in (a), loop through all local possible dosages for the dispense drug to find a dose unit. If found, send FDB dose unit equivalent to interface.
- If nothing is found in (b), look at the nouns associated with the orderable item's dosage form. Do a lookup on the NAME, SYNONYM, and FIRST DATABANK DOSE UNIT fields in the DOSE UNITS file using the nouns to see if a match can be made. If found, send the FDB dose unit equivalent to the interface.
- If nothing is found in (c) send 'EACH' to the interface for dose unit.

6.2.11.1.21.3 Functional Requirement (RSD 2.6.5.29.3)

The value of 'DAY' shall be sent into the interface for dose rate and duration rate.

6.2.11.1.21.4 Functional Requirement (RSD 2.6.5.29.4)

The value of '1' shall be sent into the interface for frequency and duration.

6.2.11.1.22 Functional Requirement (RSD 2.6.5.31)

If Dosing Order Checks cannot be performed when a free text infusion rate is entered that cannot be interpreted by the software and the infusion rate is needed to calculate the single dose amount and dose unit, an error message without a specific reason along with general dosing information messages shall be displayed to the user through CPRS.

Single Dose Amount and Dose Unit cannot be determined from free text infusion rate (CPRS)

```
Dosing Checks could not be done for Drug: <Drug Name>, please complete a manual check for appropriate Dosing.
```

```
'General dosing range for' DRUG NAME (FDB DoseRouteDescription): DoseLow<sp>DoseLowUnit  
'to' DoseHigh<sp>DoseHighUnit. 'Maximum daily dose is 'MaxDailyDose<sp>MaxDailyDoseUnit.
```

Or

```
Dosing Checks could not be done for Drug: <Drug Name>, please complete a manual check for appropriate Dosing.
```

```
'General dosing range for' DRUG NAME (FDB DoseRouteDescription):
```

```
DoseFormLow<sp>DoseFormLowUnit 'to' DoseFormHigh<sp>DoseFormHighUnit. 'Maximum daily dose is 'MaxDailyDoseForm<sp>MaxDailyDoseFormUnit.
```

6.2.11.1.23 Functional Requirement (RSD 2.6.5.33)

If a free text dosage is entered through CPRS for a multi-ingredient product for which a dispense drug cannot be determined; more than one dispense drug is associated with the orderable item; and none of the dosing order check exclusion criteria apply, no general dosing information shall be returned to CPRS.

6.2.11.1.24 Functional Requirement (RSD 2.6.5.34)

If a free text dosage is entered through CPRS for a single ingredient or multi-ingredient product where the derived dose unit is a dose form type for which a dispense drug cannot be determined; more than one dispense drug is associated with the orderable item; and none of the dosing order check exclusion criteria apply, no general dosing information shall be returned to CPRS.

6.2.11.1.25 Functional Requirement (RSD 2.6.5.36)

FDB messages with a severity of 'Not Screened' shall be treated as order level error messages and displayed without a specific reason to the user through CPRS.

FDB messages with severity of 'Not Screened' (CPRS)

```
Dosing Order Check could not be done for Drug: <DRUG NAME>, please complete a manual check for appropriate Dosing.
```

6.2.11.1.26 Functional Requirement (RSD 2.6.5.38)

FDB messages with a severity of 'Warning' shall be treated as order level error messages and displayed without a specific reason to the user through CPRS.

FDB messages with severity of 'Warning' (CPRS)


```
Dosing Order Check Warning for <DRUG NAME>:  
Dosing is not established for a patient of this age.
```

6.2.11.1.27 Functional Requirement (Per Orifice Note - PDM & PSJAPIDS)

The Inpatient Med dialog orders requirements are addressed by Pharmacy Data Management and the IV dialog orders addressed by the API provided to CPRS (^PSJAPIDS)

6.2.11.1.28 Functional Requirement (RSD 2.6.9.1)

No Max Daily Dose Order Check shall be performed for a simple medication order processed through CPRS using the inpatient medication dialog, IV dialog or as a quick order with a schedule that has been excluded from all Dosing Order Checks.


Note:	A schedule which has been excluded from all Dosing Order Checks has the EXCLUDE FROM ALL DOSING CHECKS field (#9) in the ADMINISTRATION SCHEDULE file (#51.1) set to YES.
	

6.2.11.1.28.1 Functional Requirement (RSD 2.6.9.1.1)

No message shall be displayed to the user informing them that the Max Daily Dose Order Check will not be performed.

6.2.11.1.29 Functional Requirement (RSD 2.6.9.2)

No Max Daily Dose Order Check shall be performed for a simple medication order processed through CPRS using the inpatient medication dialog, IV dialog or as a quick order with a schedule that has been excluded from the Max Daily Dose Order Check.

Note:	A schedule which has been excluded from the Max Daily Dose Order Check has the EXCLUDE FROM DAILY DOSE CHECK field (#10) in the ADMINISTRATION SCHEDULE file (#51.1) set to YES.
	

6.2.11.1.29.1 Functional Requirement (RSD 2.6.9.2.1)

No message shall be displayed to the user informing them that the Max Daily Dose Order Check will not be performed.

6.2.11.1.30 Functional Requirement (RSD 2.6.9.3)

No Max Daily Dose Order Check shall be performed for a simple medication order (IV and Unit Dose) processed through pharmacy backdoor options with a schedule that has been excluded from all Dosing Order Checks.

6.2.11.1.30.1 Functional Requirement (RSD 2.6.9.3.1)

No message shall be displayed to the user informing them that the Max Daily Dose Order Check will not be performed.

6.2.11.1.31 Functional Requirement (RSD 2.6.9.5)

Only a Maximum Single Dose Order Check shall be performed for a simple medication order processed through CPRS using the inpatient medication or IV dialog or as a quick order with a schedule that has been excluded from a Daily Dose Order Check.

6.2.11.1.31.1 Functional Requirement (RSD 2.6.9.5.1)

If the Maximum Single Dose Order Check fails, general dosing information messages shall be displayed along with the warning message. See below:

Max Single Dose Order Check Fails (exceeds recommended dose): (CPRS)

HALOPERIDOL 10MG TAB: Single dose amount of 60 MILLIGRAMS exceeds the maximum single dose amount of 33.34 MILLIGRAMS.

General dosing range for HALOPERIDOL 10MG TAB (ORAL): 1 milligram per day to 100 milligrams per day. Maximum daily dose is 100 milligrams per day.

6.2.11.1.31.2 Functional Requirement (RSD 2.6.9.5.2)

If the Maximum Single Dose Order Check results in an error, general dosing information messages shall be displayed along with the error message. See below:

Maximum Single Dose Order Check error occurs: (CPRS)

Maximum Single Dose Check could not be done for Drug: GENTAMICIN 40MG/ML 2ML INJ, please complete a manual check for appropriate Dosing.

General dosing range for GENTAMICIN 40MG/ML 2ML INJ (INTRAMUSCULAR): 1.5 milligrams per kilogram per day to 7 milligrams per kilogram per day. Maximum daily dose is 630 milligrams per day.

6.2.11.1.32 Functional Requirement (RSD 2.6.10.1)

If a high dose warning is displayed after Dosing Order Checks are performed when a simple inpatient medication order is processed through CPRS, it shall be prefaced with additional text if the medication route within the order is mapped to a standard medication route of 'NASAL' or 'OPHTHALMIC' or 'OTIC'.

6.2.11.1.32.1 Functional Requirement (RSD 2.6.10.1.1)


If the medication route within the order is mapped to a standard medication route of 'NASAL', the following text shall display before the high dose warning: 'Dosing Information provided is PER NOSTRIL:'

6.2.11.1.32.2 Functional Requirement (RSD 2.6.10.1.2)

If the medication route within the order is mapped to a standard medication route of 'OPHTHALMIC', the following text shall display before the high dose warning: 'Dosing Information provided is PER EYE:'

6.2.11.1.32.3 Functional Requirement (RSD 2.6.10.1.3)

If the medication route within the order is mapped to a standard medication route of 'OTIC', the following text shall display before the high dose warning: 'Dosing Information provided is PER EAR:'

Note:	A high dose warning for the Maximum Single Dose Order Check will have a single dose status code of '2' – 'Exceeds Max'. A high dose warning for the Max Daily Dose Order Check will have a max daily dose status code of '2' – 'Exceeds Max'.
	

6.2.11.1.33 Functional Requirement (RSD 2.6.10.2)

If general dosing information messages are displayed after Dosing Order Checks are performed when a simple order is processed through CPRS, it shall be prefaced with additional text if the medication route within the order is mapped to a standard medication route of 'NASAL' or 'OPHTHALMIC' or 'OTIC'.

6.2.11.1.33.1 Functional Requirement (RSD 2.6.10.2.1)

If the medication route within the order is mapped to a standard medication route of 'NASAL', the following text shall display before the general dosing information messages: 'Dosing Information provided is PER NOSTRIL:'

6.2.11.1.33.2 Functional Requirement (RSD 2.6.10.2.2)

If the medication route within the order is mapped to a standard medication route of 'OPHTHALMIC', the following text shall display before general dosing information messages: 'Dosing Information provided is PER EYE:'

6.2.11.1.33.3 Functional Requirement (RSD 2.6.10.2.3)

If the medication route within the order is mapped to a standard medication route of 'OTIC', the following text shall display before general dosing information messages: 'Dosing Information provided is PER EAR:'

6.2.11.1.34 Functional Requirement (RSD 2.6.10.3)

If a high dose warning is displayed for a dosing sequence after a Maximum Single Dose Order Check is performed when a complex inpatient order is processed through CPRS, it shall be prefaced with additional text if the medication route within the dosing sequence is mapped to a standard medication route of 'NASAL' or 'OPHTHALMIC' or 'OTIC'.

6.2.11.1.34.1 Functional Requirement (RSD 2.6.10.3.1)

If the medication route within the dosing sequence is mapped to a standard medication route of 'NASAL', the following text shall display before the high dose warning: 'Dosing Information provided is PER NOSTRIL.'

6.2.11.1.34.2 Functional Requirement (RSD 2.6.10.3.2)

If the medication route within the dosing sequence is mapped to a standard medication route of 'OPHTHALMIC', the following text shall display before the high dose warning: 'Dosing Information provided is PER EYE.'

6.2.11.1.34.3 Functional Requirement (RSD 2.6.10.3.3)


If the medication route within the dosing sequence is mapped to a standard medication route of 'OTIC', the following text shall display before the high dose warning: 'Dosing Information provided is PER EAR.'

6.2.11.1.35 Functional Requirement (RSD 2.6.10.4)

If more than one high dose warning or a high dose warning and general dosing information messages are displayed after Dosing Order Checks are performed when a simple order is processed through CPRS whose medication route is mapped to a standard medication route of 'NASAL' or 'OPHTHALMIC' or 'OTIC', the additional text shall be displayed first and only once.

6.2.11.1.36 Functional Requirement (RSD 2.6.11.1)

If the Max Daily Dose Order Check cannot be performed and the reason that is returned by FDB is 'Maximum daily dose check could not be done since frequency check failed', the PDM application shall perform the Max Daily Dose Order Check and return the results to CPRS.

Note:	Max Daily Dose Status code will be set to '5' – Unable to Check. Frequency Status Code will be set to either '3' – Exceeds Recommended or '4' – Below Recommended.
	See section 2.6.16 in the PDM RSD for details on the daily dose calculation.

6.2.11.1.37 Functional Requirement (RSD 2.6.11.2)

A customized frequency message shall be displayed to the CPRS user if the daily dose calculated by the PDM application passes the Max Daily Dose Order Check.

Please see the M2-1_PDM_RSD_v2, Section 2.6.20 (Customized Frequency Message) for details on the customized frequency message. See examples that follow:

Recommended frequency of METFORMIN 500MG TAB is 1 to 3 times per day

Or

Recommended frequency of NITROGLYCERIN PATCHES 0.1MG/HR is 1 time(s) per day.

Or

Recommended frequency of EPOETIN ALFA, RECOMB 10,000UNIT/ML INJ is every 2 day(s) to 7 days.

Or

Recommended frequency of RISPERIDONE 25MG/VI SUSP SA INJ is every 14 days.

6.2.11.1.37.1 Functional Requirement (RSD 2.6.11.2.1)

If the daily dose calculated by the PDM application fails the Max Daily Dose Order Check, a Max Daily Dose Order Check warning message with a customized frequency message shall be displayed to the CPRS user.

Please see the M2-1_PDM_RSD_v2, Section 2.6.22 (Display of Max Daily Warning when Daily Dose Calculated) for details on the Max Daily Dose warning message when the Max Daily Dose Order Check is performed by the PDM application. See examples that follow:

ENOXAPARIN 40MG/0.4ML INJ: Total dose amount of 500 MILLIGRAMS/DAY exceeds the maximum daily dose amount of 204.55 MILLIGRAMS/DAY.

Recommended administration of ENOXAPARIN 40MG/0.4ML INJ is 1 to 2 times per day.

6.2.11.1.38 Functional Requirement (RSD 2.6.11.3)

If the daily dose could not be calculated by the PDM application, an error message, general dosing information messages, and customized frequency message shall be displayed to the CPRS user.

Max Daily Dose Check could not be done for Drug: ENOXAPARIN 40MG/0.4ML INJ, please complete a manual check for appropriate Dosing.

Recommended administration of ENOXAPARIN 40MG/0.4ML INJ is 1 to 2 times per day.

General dosing range for ENOXAPARIN 40MG/0.4ML INJ (SUBCUTANEOUS): 40 milligram per day to 3 milligram per kilogram per day

6.2.12 System Features – Non-Dosing

NOTE: Add justification here about splitting the projects and why this section looks different than the other.

6.2.12.1 Inpatient

6.2.12.1.1 PSGOEC

Routine Name	PSGOEC	
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
SRS Traceability		
Related Options		
Related Routines	Routines “Called By”	Routines “Called”
	D+3^PSIVOPT2 D+13^PSIVOPT2 DISCONT+1^PSIVORC D2+3^PSIVORC EN+11^PSIVSPDC CHKCOM+15^PSIVSPDC ASKDC^PSJOCDC DC+3^PSJOE	NOW^%DTC ^DIC YN^DICN ^DIE ^DIK EN^DIQ1 ^DIR ^PSGAL5

		\$ENPDN^PSGMI AC^PSGOEC ASET^PSGOEC DCOR^PSGOECS ENCAM^PSGOEM ENCOM^PSGOEM ENDC^PSGOEM ENUMK^PSGOEM ENCTM^PSGOEM1 ENCV^PSGSETU ENL^PSGVDS ENPOS^PSGVDS ENLBL^PSIVOPT D1^PSIVOPT2 HL^PSIVORA LOG^PSIVORAL ORPARM^PSIVOREN ENHE^PSJADT0 CMLPX^PSJCOM1 KILL531^PSJIM01 \$\$LOCK^PSJOEA \$\$ENN00^PSJUTL5 \$\$LS^PSSLOCK PAUSE^VALM1 \$\$FMTE^XLFDT
Data Dictionary References	^PS(53.1 ^PS(53.55 ^TMP(“PSJDAOC”	
Related Protocols	N/A	
Related Integration Agreements	^PS(55 is supported by DBIA 2191 ^PSSLOCK is supported by DBIA 2789	
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	Name: Definition:	
Output Attribute Name and Definition	Name: Definition:	
Current Logic:		
PSGOEC ;BIR/CML3-CANCEL ORDERS ;02 Mar 99 / 9:29 AM ;;5.0;INPATIENT MEDICATIONS ;**23,58,110,175,201,134,181,260,288**;16 DEC 97;Build 7 ; ; Reference to ^PS(55 is supported by DBIA# 2191. ; Reference to ^PSSLOCK is supported by DBIA 2789. ; ENA ; all orders D ENCV^PSGSETU Q:\$D(XQUIT) S CF=\$P(PSJSYSP0,U,5) N ND,ND1 S ND="\$D(^PS (55,PSGP,5,PSGDA,4)), \$P(^4,U,12), \$P(^4,U,13)", ND1="\$D(^PS(53.1,PSGDA,4)), \$P(^4),U,12), \$P(^4,U,13)" F W !!,"Do you want to ", \$S(CF:"discontinue",1:"mark for discontinuation")," all of this patient's orders" S %=1 D YN^DICN Q:% D ENCAM^PSGOEM S PSGCF=0 Q:%<0 S PSGCF=1,T=\$E("T",'PSJSYSU) G:%=1 ENCA F T=0:0 S T=\$O (^PS(55,PSGP,5,"AUS",T)) Q:'T F PSGDA=0:0 S PSGDA=\$O(^PS(55,PSGP,5,"AUS",T,PSGDA)) Q:'PSGDA I @ND Q E F PSGDA=0:0 S PSGDA=\$O(^PS(53.1,"AC",PSGP,PSGDA)) O:'PSGDA I @ND1 O		

```

E G DONE
W !!,"SOME OR ALL OF THESE ORDERS HAVE" D ENUMK^PSGOEM Q:%'=1
W !!,"...a few moments, please..." S PSGAL("C")=PSJSYSU*10+21400
F T=PSGDT:0 S T=$O(^PS(55,PSGP,5,"AUS",T)) Q:'T F PSGDA=0:0 S PSGDA=$O
(^PS(55,PSGP,5,"AUS",T,PSGDA)) Q:'PSGDA I @ND W "." D RS,^PSGAL5
F PSGDA=0:0 S PSGDA=$O(^PS(53.1,"AC",PSGP,PSGDA)) Q:'PSGDA I @ND1 W "." D RS
W " . . . DONE!" G DONE
ENCA
;
D NOW^%DTC S (Q1,PSGDT)=+$E(%1,12) F S Q1=$O(^PS(55,PSGP,5,"AUS",Q1)) Q:'Q1 F Q2=0:0
S Q2=$O(^PS(55,PSGP,5,"AUS",Q1,Q2)) Q:'Q2 I $P($G(^PS(55,PSGP,5,Q2,0)),^",21) Q
E F Q2=0:0 S Q2=$O(^PS(53.1,"AC",PSGP,Q2)) Q:'Q2 I $P($G(^PS(53.1,Q2,0)),U,21) Q
I S PSJNOO=$$ENNOO^PSJUTL5("D") I PSJNOO<0!('$REQPROV) D G DONE
.W !!,$C(7),"No changes made to this order." D PAUSE^VALM1
S PSGALR=$S($D(PSGALO):20,PSGALO?4N&($E(PSGALO)=1):10,1:20) I $P(PSJSYSP0,U,5) D
ENHE^PSJADT0 S PSGOP=PSGP D ASET
F SD=PSGDT:0 S SD=$O(^PS(55,PSGP,5,"AUS",SD)) Q:'SD F PSGORD=0:0 S PSG
ORD=$O(^PS(55,PSGP,5,"AUS",SD,PSGORD)) Q:'PSGORD S PSGORD=+PSGORD_"A" D AC
D NSET S CF=$P(PSJSYSP0,U,5) F PSGORD=0:0 S PSGORD=$O(^PS(53.1,"AC",PSGP,PSGORD))
Q:'PSGORD S PSGORD=+PSGORD_"N" D NC
W " . . . DONE!" K PSGORD G DONE
ENO(PSGP,PSGORD) ; single order
I PSGSTAT="D" W !!,"This order has already been DISCONTINUED." D PAUSE^VALM1 Q
S CF=$S($P(PSJSYSP0,U,5):1,PSGORD["U":0,1:($P($G(^PS(53.1,+PSGORD,0))),U
,25)="$&($P($G(^4)),U,7)=DUZ))
S PSJCOM=+$S(PSGORD["U":$P($G(^PS(55,PSGP,5,+PSGORD,.2)),^",8),1:$P($G
(^PS(53.1,+PSGORD,.2)),^",8))
I 'CF,PSJCOM W !!,"This order is part of a complex order and CANNOT be marked for
discontinuation." Q
I $$PNDRNOK(PSGORD) N PSJDCTYP S PSJDCTYP=$$PNDRNA(PSGORD) D:(PSJDCTYP=
1!(PSJDCTYP=2)) PNDRN($G(PSJDCTYP),PSGORD) G DONE
;I PSJCOM W !!,"This order is part of a complex order. If you discontinue this order
the",!,"following orders will be discontinued too (unless the stop date has already",!,"been
reached)." D CMLPX^PSJCOM1(PSGP,PSJCOM,PSGORD)
;F W !!,"Do you want to ",$S(PSJCOM:"discontinue this series of complex
orders",CF:"discontinue this order",1:"mark this order for discontinuation") S
%=$S($G(PSJOCFLG):2,1:1) D YN^DICN Q:% D ENCOM^PSGOEM
;I %<0 S VALMBCK="" Q
I PSJCOM W !!,"This order is part of a complex order. If you discontinue this order
the",!,"following orders will be discontinued too (unless the stop date has already",!,"been
reached)." D CMLPX^PSJCOM1(PSGP,PSJCOM,PSGORD)
I PSJCOM F W !!,"Do you want to discontinue this series of complex orders" S
%=$S($G(PSJOCFLG):2,1:1) D YN^DICN Q:% D ENCOM^PSGOEM
I 'PSJCOM,CF,'$D(PSJDCDTF) F W !!,"Do you want to discontinue this order" S
%=$S($G(PSJOCFLG):2,1:1) D YN^DICN Q:% D ENCOM^PSGOEM I %<0 S VALMBCK=""
Q
I 'PSJCOM,CF,$D(PSJDCDTF) F W !!,"Enter DC to discontinue the above order or press
<RETURN> to continue:" S %=$S($G(PSJOCFLG):2,1:1) D TST4DC W:%=2 !,"No action taken!" Q:% D
ENDC^PSGOEM I %<0 S VALMBCK="" Q
I 'PSJCOM,CF,'$D(PSJDCDTF) F W !!,"Do you want mark this order for discontinuation" S
%=$S($G(PSJOCFLG):2,1:1) D YN^DICN Q:% D ENCOM^PSGOEM I %<0 S
VALMBCK="" Q
G:%=1 SOC I $S(PSGORD["U":$D(^PS(55,PSGP,5,+PSGORD,4)),1:$D(^PS(53.1,+P
SGORD,4))),$P(^4),U,12) W !!,"THIS ORDER HAS"
I D ENUMK^PSGOEM I %=1 W "..." K DA S:PSGORD["A" PSGAL("C")=PSJSYSU*10
+21400,DA=+PSGORD,DA(1)=PSGP D RS,^PSGAL5:PSGORD["A" W " . . . DONE!"
G DONE
SOC
;
I 'CF,'$P($S(PSGORD["U":$G(^PS(55,PSGP,5,+PSGORD,0)),1:$G(^PS(53.1,+PSG
ORD,0))),U,21) W !!,"...one moment, please..."
E I CF,('$G(PSJDCTYP)=2) S PSJNOO=$$ENNOO^PSJUTL5("D") I PSJNOO<0 D ABORT^PSGOEE G
DONE
; prompt for requesting provider
I '($G(PSJDCTYP)=2) I CF,'$REQPROV D ABORT^PSGOEE G DONE
K DA D NOW^%DTC S PSGDT=%,T=$E("T",PSJSYSU),PSGALR=20,DA=+PSGORD,DA(1)=PSGP
I 'PSJCOM D
.I PSGORD["U" D ASET:CF,AC
.I PSGORD["U" D NSET:CF,NC
I PSJCOM N COMFLG S COMFLG=0 D
I PSGORD["P" Q:('$LOCK^PSJOEA(PSGP,PSJCOM)) D
.. N O S O="" F S O=$O(^PS(53.1,"ACX",PSJCOM,O)) Q:O="" S (PSGORD,PSJORD)=O_"P" D
NSET,NC

```



```

.I PSGORD["U" N O,OO S O=0,OO=" F S O=$O(^PS(55,"ACX",PSJCOM,O)) Q:'O F S
OO=$O(^PS(55,"ACX",PSJCOM,O,OO)) Q:OO=" Q:COMFLG D
.. Q:OO=PSGORD I '$$LS^PSSLOCK(DFN,OO) S COMFLG=1 Q
I PSJCOM Q:COMFLG N O,OO S O=0,OO=" F S O=$O(^PS(55,"ACX",PSJCOM,O)) Q:'O F S
OO=$O(^PS(55,"ACX",PSJCOM,O,OO)) Q:OO=" D
. I OO["V" S ON55=OO D D1^PSIVOPT2 S PSIVALT=1,PSIVALCK="STOP",PSIVREA=
"D",ON=ON55,P(3)=$P($G(^PS(55,DFN,"IV",+ON55,0)),U,3) D
.. D LOG^PSIVORAL N PSJORD S PSJORD=ON55,P(3)=$P($G(^PS(55,DFN,"IV",+ON
55,0)),U,3),P("NAT")=PSJNOO D HL^PSIVORA
. I OO["U" N PSGORD,PSJORD S (PSGORD,PSJORD)=OO D ASET^PSGOEC,AC^PSGOEC
Q
D1 N %,DA,DIE,DIU,STP,NSTOP
D NOW^%DTC S NSTOP=+$E(%,1,12),STP=$P($G(^PS(55,DFN,"IV",+ON55,0)),U,3)
,NSTOP=+$S(STP>NSTOP:NSTOP,1:STP),P(17)="D"
S DA(1)=DFN,DA=+ON55,DIE="^PS(55,"_DFN_", "IV", " ,DR="109////"_NSTOP_$S
($P($G(^PS(55,DFN,"IV",+ON55,2)),U,7):";116////"_STP,1:"")_"100//D;.03////"_N
STOP,PSIVACT=1 D ^DIE
I $$($G(PSIVAC)="OD":0,$G(PSIVAC)'="AD":1,$G(PSGALO)<1060:0,1:$P($G(PSJ
SYSW0),U,15)) S X=$S($G(PSIVAC)="AD":1,1:2) D ENLBL^PSIVOPT(X,$S(X=1:+$G(PSGUOW)
,1:DUZ),DFN,3,+ON55,$E("AD",1,3-X))
D:'$D(PSJIVORF) ORPARM^PSIVOREN Q:'PSJIVORF ;* S ORIFN=$P($G(^PS(55,DF
N,"IV",+ON55,0)),U,21) Q:'ORIFN
Q
OUT ;
W $$ (PSJCOM:"...ORDER ",1:"...ORDERS ") ,$(CF:"DISCONTINUED!",1:"MARKED!") S PSGCANFL=1
DONE ;
K CF,DA,DIE,DP,DR,ORIFN,ORETURN,PSGAL,PSGALR,PSGDA,SD,ST,T,UCF,Y,PSJDCTYP Q
ASET ;
S DIE="^PS(55,"_PSGP_",5," ,DR="136////@;28////"_$S($P($G(^PS(55,PSGP,5,
+$G(PSJORD),0)),U,27)="E":"DE", $D(PSGEDIT):"DE",1:"D")_" ;Q;34////"_PSGDT_$S(T)"
:";49////1",1:"")
Q
NSET ;
S DIE="^PS(53.1," ,DR="28////"_$S($P($G(^PS(53.1,+G(PSJORD),0)),U,27)="
E":"DE", $D(PSGEDIT):"DE",1:"D")_"$S(T)" ":";42////1",1:"")_" ;25////"_PSGDT Q
AC ;
I 'CF K DA S $P(^PS(55,PSGP,5,+PSGORD,4),U,11,14)="$^1^"_DUZ_U_PSGDT,PSG
AL("C")=13040,DA=+PSGORD,DA(1)=PSGP D ^PSGAL5
I 'CF,$D(PSJSYSO) S PSGORD=+PSGORD_"A",PSGPOSA="C",PSGPOSD=PSGDT D ENPOS^PSGVDS
Q:'CF K DA,ORIFN S PSGAL("C")=PSJSYSU*10+4000,DA=+PSGORD,DA(1)=PSGP D
^PSGAL5 S $P(^2,U,3)=$P(^PS(55,PSGP,5,+PSGORD,2),U,4) D ^DIE S ^PS(55,"AUE",PSGP,+PSGORD)=" "
I '$D(PSJSYSL) S PSJSYSL=" "
I PSJSYSL K DA S $P(^PS(55,PSGP,5,+PSGORD,7),U,1,2)=PSGDT_U_$S($D(PSGED
IT):"DE",1:"D"),PSGTOL=2,PSGUOW=DUZ,PSGTOO=1,DA=+PSGORD,DA(1)=PSGP D ENL^PSGVDS
S ORIFN=$P($G(^PS(55,PSGP,5,+PSGORD,0)),U,21) D:ORIFN DCOR^PSGOECS
Q
NC ;
I 'CF S $P(^PS(53.1,+PSGORD,4),"^",11,14)="$^1^"_DUZ_U_PSGDT
I 'CF,$D(PSJSYSO) S PSGORD=+PSGORD_"N",PSGPOSA="C",PSGPOSD=PSGDT D ENPOS^PSGVDS
Q:'CF S PSGSTAT=$P($G(^PS(53.1,+PSGORD,0)),U,9),PSGORIFN=$P($G(^0),U,21)
I PSGSTAT="U" K DA,ORIFN S DA=+PSGORD D ^DIE I PSJSYSL,PSJSYSL<3,(PSGSTAT="P") S
$P(^PS(53.1,+PSGORD,7),U,1,2)=PSGDT_U_$S($D(PSGEDIT):"DE",1:"D"),PSGTOO=2,PSGUOW=DUZ,PSGTOL=2 D
ENL^PSGVDS
I PSGSTAT="U" K DA S DA=+PSGORD,DIK="^PS(53.1," D ^DIK
I PSGORIFN S ORIFN=PSGORIFN D DCOR^PSGOECS
Q
T ;
F W !,"Is this due to the patient being transferred" S %=2 D YN^DICN Q:% D
ENCTM^PSGOEM1
S T=$S(%<0:"^",1:$E("T",%=1)) Q
RS ;
; naked ref below is from variable ND1, ^PS(53.1,PSGDA,4)
S $P(^4,U,11,14)="$^" Q
;
REQPROV() ;
I $G(PSJDCTYP)=2 Q 1
K PSJDCPRV,DIC,DUOUT,DTOUT,Y
N PROVIDER,PROVNAME,RESULT,RSB S RESULT=0
S PROVIDER=+$P($G(^PS(55,DFN,5.1)), "^",2),PROVNAME=" "
I PROVIDER>0 D
.S DIC=200,DR="53.1;53.4",DIQ="RSB",DIQ(0)="I",DA=PROVIDER D EN^DIQ1

```

```

.K DIC,DR,DA,DIQ
.I $(RSB(200,PROVIDER,53.1,"I"))="1"&(($G(RSB(200,PROVIDER,53.4,"I"))=
"")!($G(RSB(200,PROVIDER,53.4,"I"))>DT)) D
..S DIC=200,DA=PROVIDER,DR=".01",DIQ="RSB",DIQ(0)="E" D EN^DIQ1
..S PROVNAME=$(RSB(200,PROVIDER,.01,"E")) K DA,DIQ,DR
K DIC S DIC=200,DIC(0)="AEMQZ"
S:PROVNAME]" DIC("B")=PROVNAME
S DIC("A")="Requesting PROVIDER: "
S DIC("S")="I $D(^("PS")),^("PS"),$S('$P(^("PS"),"^^",4):1,1:$P(
^("PS"),"^^",4)>DT)" D ^DIC K DIC
I +Y>0,$D(DUOUT),$D(DTOUT) S RESULT=1,PSJDCPRV=+Y
Q RESULT
;
PNDRNA(ORDER) ; Ask Discontinue Pending Renewal only, or both Pending Renew and Renewed Order
; Perform this action only for pending renewals
I '$G(ORDER)!('$G(ORDER)["P"]) Q 3
; Quit if original order is no longer active
N ORIGORD,ORIGSTOP S ORIGORD=$P($G(^PS(53.1,+ORDER,0)),"^",25) Q:'ORIGORD D I
ORIGSTOP<$G(PSGDT) Q 1
.S ORIGSTOP=$S(ORIGORD["U":$P($G(^PS(55,PSGP,5,+ORIGORD,2)),"^",4),ORIG
ORD["V":$P($G(^PS(55,PSGP,"IV",+ORIGORD,0)),"^",3),1:"")
N NDP2
S NDP2=^PS(53.1,+ORDER,.2) S DRG=NDP2,DO=$P(DRG,"^",2) S DRG=$$ENPDN^PSGMI($P(DRG,"^"))
S ND2=^PS(53.1,+ORDER,2) S SCH=$P(ND2,"^"),START=$P(ND2,"^",2),START=$$
FMTE^XLFD(START,2)
W !!?5,DRG_" _DO
W !?5,"This order has a pending status. If this pending order"
W !?5,"is discontinued, the original order may still be active."
S DIR("A")="Select order(s) to discontinue"
S DIR(0)="S^1:DC BOTH Orders;2:DC Pending Order;3:Cancel - No Action Taken"
S DIR("L",1)="1 - DC BOTH Orders"
S DIR("L",2)="2 - DC Pending Order"
S DIR("L",3)="3 - Cancel - No Action Taken" D ^DIR
; Reverse order - Y=1 - Pending only Y=2:BOTH
S Y=$S(Y=1:2,Y=2:1,1:3)
Q Y
;
PNDRN(PSJDCTYP,ORDER) ; Perform Discontinue action for Pending order only or both Pending and
Renewed
; Perform this action only for pending renewals
N PSGORD S PSGORD=ORDER
Q:'$G(PSGORD)!('$G(PSGORD)["P"])
I PSJDCTYP=1 G SOC
I PSJDCTYP=2 S PSJDCTYP=1 D SOC Q:'$G(PSJDCTYP) D
.I ($G(PSJNOO)<0) Q
.N ND5310 S ND5310=$G(^PS(53.1,+PSGORD,0))
.N PSGORD S PSGORD=$P(ND5310,"^",25) I PSGORD S PSJDCTYP=2 D SOC K PSJD
CTYP
Q
;
PNDRNOK(ORDER) ; Execute DC Pending Renew enhancement only if
; 1) Renewal order is pending/non-verified, and
; 2) Original order is not DC'd or Expired
Q:'$G(PSGORD)!('$G(PSGORD)["P"]) 0
N ORIGORD,ORIGSTOP S ORIGORD=$P($G(^PS(53.1,+ORDER,0)),"^",25) Q:'ORIGORD 0 D I
ORIGSTOP<$G(PSGDT) Q 0
.S ORIGSTOP=$S(ORIGORD["U":$P($G(^PS(55,PSGP,5,+ORIGORD,2)),"^",4),ORIG
ORD["V":$P($G(^PS(55,PSGP,"IV",+ORIGORD,0)),"^",3),1:"")
Q:'($P($G(^PS(53.1,+PSGORD,0)),U,24)="R") 0
Q 1
;
TST4DC ; Test for DC at prompt
R X:$S($D(DTIME):DTIME,1:300) I '$T S %=2 Q
S %=$S(X="DC":1,X="Dc":1,X="dc":1,X="dC":1,X="D":1,X="d":1,X="":2,X="^"
:2,X]"":1:2)
Q

```

Modified Logic (Changes are in bold)

6.2.12.1.1.2 PSGOEF

Routine Name	PSGOEF	
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
SRS Traceability		
Related Options		
Related Routines	Routines “Called By”	Routines “Called”
	F+1^PSGOE1 DISACTIO+29^PSJOE FINISH+1^PSJOE DISACTIO+29^PSJOEA	NOW^%DTC ENDR^%ZISS ^DIR \$\$ENDD^PSGMI \$\$ENDTC^PSGMI \$\$ENSD^PSGNE3 ENFD^PSGNE3 PTST^PSGOE6 \$\$GTNEDFD^PSGOE7 ABORT^PSGOEE DONE^PSGOEE NEW3^PSGOEE ENSFE^PSGOEE0 ^PSGOEF \$\$ENIVUD^PSGOEF1 ENDRG^PSGOEF1 UPD^PSGOEF1 OVERLAP^PSGOEF2 OC531^PSGOESF EN^PSGORS0 \$\$ODD^PSGS0 \$\$PRNOK^PSGS0 ENOS^PSGS0 NSSCONT^PSGS0 \$\$DSTART^PSJDCU DOSECHK^PSJDOSE \$\$DURMIN^PSJLIVMD \$\$GETDUR^PSJLIVMD REQDT^PSJLIVMD GETUD^PSJLMGUD \$\$LASTREN^PSJLMPRI INIT^PSJLMUDE \$\$OINAME^PSJLMUTL \$\$DD53P45^PSJMISC ^PSJNEWOC IN^PSJOCDS OC^PSJOE1 \$\$ENPC^PSJUTL \$\$ENNOO^PSJUTL5 DOSE^PSSORPH EN^VALM REFRESH^VALM

		FULL^VALM1 RE^VALM4 \$\$FMADD^XLFD			
Data Dictionary References	^PS(53.1 ^PS(53.45 ^PSDRUG(^PSDRUG(“ASP”				
Related Protocols	N/A				
Related Integration Agreements	^PS(55 is supported by DBIA 2191 ^PSDRUG(is supported by DBIA 2192 DOSE^PSSORPH is supported by DBIA 3234.				
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local				
Input Attribute Name and Definition	Name: Definition:				
Output Attribute Name and Definition	Name: Definition:				
Current Logic:					
PSGOEF ;BIR/CML3-FINISH ORDERS ENTERED THROUGH OE/RR ;14 May 98 / 2:17 PM ;;5.0;INPATIENT MEDICATIONS;**7,30,29,35,39,47,50,56,80,116,110,111,133,153, 134,222,113,181,260**;16 DEC 97;Build 94 ; ; Reference to ^PS(55 is supported by DBIA 2191 ; Reference to ^PSDRUG(is supported by DBIA 2192 ; Reference to DOSE^PSSORPH is supported by DBIA 3234. ; START ; I '\$D(^PS(53.1,+PSGORD)) W \$C(7),!?3,"Cannot find this pending order (#",+PSGORD,") ." Q D NOW^%DTC S PSGDT=+\$E(%,1,12) K PSGFDX,PSGEFN,PSGOEEF,PSGOES,PSGONF,PSGRDXTX S PSGOES=1,(PSGOEF,PSGOEEF)=0,PSGOEEG=3 I \$D(PSJTUD) S PSGDO=\$P(\$G(^PS(53.1,+PSGORD,.3)),U),(PSGPDRG,PSGPD)=PSJCOI,(PSGPDRGN,PSGPDN)=\$\$OINAME^PSJLMUTL(PSGPD) I \$P(\$G(^PS(53.1,+PSGORD,0)),U,24)'="R" S X=PSGSCH D EN^PSGORS0 D . S:(\$D(X)&(\$P(\$G(^PS(53.1,+PSGORD,2)), "^",5)=""&(\$P(\$G(^PS(53.1,+PSGO RD,0)), "^",24)=""N")) PSGAT=PSGS0Y . NEW PSJDOX,PSJDOSE,PSJPIECE,PSJUNIT,PSJX,X . S X=\$G(^PS(53.1,+PSGORD,1,1,0)) Q: '+X . D DOSE^PSSORPH(.PSJDOX,+X,"U") . I \$\$('\$D(PSJDOX):1,1:+PSJDOX(1)=-1) Q . S PSJPIECE=\$S(\$P(PSJDOX(1),U)="" :3,1:1) . S X=^PS(53.1,+PSGORD,.2) . S:PSJPIECE=3 PSJDOSE=\$P(X,U,2) . S:PSJPIECE=1 PSJDOSE=\$P(X,U,5),PSJUNIT=\$P(X,U,6) . F X=0:0 S X=\$O(PSJDOX(X)) Q:+\$G(PSJX)! 'X D .. I PSJPIECE=3,(\$P(PSJDOX(X),U,3)')=PSJDOSE) Q .. I PSJPIECE=1,(\$P(PSJDOX(X),U,1)_\$P(PSJDOX(X),U,2)')=(PSJDOSE_PSJUNIT)) Q .. S:+\$P(PSJDOX(X),U,12) \$P(^PS(53.45,PSJSYSP,2,1,0),U,2)=\$P(PSJDOX(X),U,12),PSJX=1 I PSGEB'=PSGOPR F X=7,11 S Y=\$T(@(3_X)),@("PSGEFN("_X_")=""_\$P(Y,";",7)) ,PSGOEEF(+\$P(Y,";",3))="" ,PSGOEEF=PSGOEEF+1 D GTST^PSGOE6(+PSGORD) I \$P(\$G(^PS(53.1,+PSGORD,0)),U,24)'="R" S PSGSD="" D:PSGS0Y]" " .N PSJX S PSJX=\$P(\$G(^PS(53.1,+PSGORD,0)),U,25) I PSJX="" Q .I PSJX["U" S PSGSD=\$P(\$G(^PS(55,DFN,5,+PSJX,2)),U,2) Q .I PSJX["V" S PSGSD=\$P(\$G(^PS(55,DFN,"IV",+PSJX,0)),U,2) Q .I PSJX["P" S PSGSD=\$P(\$G(^PS(53.1,+PSJX,2)),U,2) S:PSGSD="" PSGSD=PSGLI S PSGNEDFD=\$\$GTNEDFD^PSGOE7("U",+PSGPD)					

```

S:$P($G(PSGNEDFD),U,3)=" " $P(PSGNEDFD,U,3)=PSGST ; N PSGOEA S PSGOEA="R"
S (PSGNEED,PSGSD)=$$ENDS^PSGNE3(PSGSCH,PSGS0Y,PSGLI,PSGSD)
; if this is a renewal order, ignore any 'requested start date' received. Use the
system calculated start date.
I $P($G(^PS(53.1,+PSGORD,0)),U,24)="R" D
. D REQDT^PSJLIVMD(PSGORD)
E D
. S X=$$DSTART^PSJDCU(DFN,$P(^PS(53.1,+PSGORD,0),U,25)) I X]" " S (PSGNEED,PSGSD)=X K
PSGRSD
D ; Extend the Default Stop Date if needed for the first renewed order.
.N PSGOEAO,PSGWALLO
.I $P($G(^PS(53.1,+PSGORD,0)),U,24)="R" S PSGOEAO=PSGOEA,PSGOEA="R",PSG
WALLO=$P(^PS(55,DFN,5.1),U)
.D ENFD^PSGNE3(PSGLI) S PSGFD=$S($G(PSGRDXT(+PSGORD,"PSGFD")):PSGRDXT(+
PSGORD,"PSGFD"),1:PSGNEFD)
.I $P($G(^PS(53.1,+PSGORD,0)),U,24)="R" S PSGOEA=PSGOEAO,$P(^PS(55,DFN,5.1),U)=PSGWALLO
N DUR,PSGRNSD S PSGRNSD=$$LASTREN^PSJLMPRI(DFN,PSGORD) I PSGRNSD S DUR
=$$GETDUR^PSJLIVMD(DFN,PSGORD,"P",1) I DUR]" " D
. N DURMIN S DURMIN=$$DURMIN^PSJLIVMD(DUR) I DURMIN S PSGFD=$$FMADD^XLF
DT(PSGRNSD,,,DURMIN)
S PSGOFD=" ",PSGSDN=$$ENDD^PSGMI(PSGSD)_U_$$ENDTC^PSGMI(PSGSD),PSGFDN=$$
ENDD^PSGMI(PSGFD)_U_$$ENDTC^PSGMI(PSGFD)
S PSGLIN=$$ENDD^PSGMI(PSGLI)_U_$$ENDTC^PSGMI(PSGLI)
I $P(^PS(53.45,PSJSYSP,2,0)) N DRG,DRGCNT S DRGCNT=0 D
.F X=0:0 S X=$O(^PSDRUG("ASP",+PSGPD,X)) Q:'X!(DRGCNT>1) S:$P($G(^PSDR
UG(+X,2)),U,3)["U" DRGCNT=DRGCNT+1,DRG=+X
.I DRGCNT=1 K ^PS(53.45,PSJSYSP,2) S ^PS(53.45,PSJSYSP,2,1,0)=DRG_U_1,^
PS(53.45,PSJSYSP,2,0)="$53.4502^1^1",PS(53.45,PSJSYSP,2,"B",+DRG,1)="$"
Q
FINISH ;
; force display of second screen if CPRS order checks exist
N NSFF,PSGOEF39,PSGEDTOI S NSFF=1 K PSJNSS,PSGEDTOI,PSGOEER
I $G(PSGORD),$D(PSGRDXT(+PSGORD)) D K PSGRDXT
. ;PSJOCDS stores the default start & stop date ^ cal start & stop date (use in dosing
calculation for duration)
. ;for some reasons PSGSD & PSGFD are reset to the cal dates if order has duration
defined
. S PSJOCDS("CX",+PSGSD,+PSGORD)=$G(PSGSD)_U_$G(PSGRDXT(+PSGORD,"PSGRSD"))
. S PSJOCDS("CX",+PSGFD,+PSGORD)=$G(PSGFD)_U_$G(PSGRDXT(+PSGORD,"PSGRFD"))
. S:$G(PSGRDXT(+PSGORD,"PSGRSD")) PSGSD=PSGRDXT(+PSGORD,"PSGRSD")
. S:$G(PSGRDXT(+PSGORD,"PSGRFD")) PSGFD=$S($G(PSGRDXT(+PSGORD,"PSGRFD"))
):PSGRDXT(+PSGORD,"PSGRFD"),1:$G(PSGNEFD)
N PSJCOM S PSJCOM=$P($G(^PS(53.1,+PSGORD,.2)), "^",8)
;
; PSJ*5*222
; PSJCT1 is a counter variable. Every piece of a complex order calls PSGOEF.
; The only time this code is to look for overlapping admin times is when the
; first part of a complex order is being finished. This variable will keep track
; of how many "parts" of the complex order have been checked.
;
; Also, since the user can select multiple complex orders to finish, like selecting
; orders 1-2 or 1-3 from the profile, PSJCT1A will keep track of whether the parent
; order number is the same as the first parent order number selected for finishing.
; Since the PSJCT1 counter variable will still be set if multiple complex orders
; are selected, PSJCT1 will be re-set to 1 if the parent complex order number (PSJCT1A)
is
; not equal to the original parent order number (PSJCOM).
;
S PSJCT1=$G(PSJCT1)+1
I PSJCT1=1 S PSJCT1A=PSJCOM
I $G(PSJCT1A)'=PSJCOM S PSJCT1=1,PSJCT1A=PSJCOM
; End of flag setting for PSJ*5*222
;PRE UAT group requested to not show the second screen since FDB OC has more text and
provider
override reason appears after 2nd screen
;I $O(^PS(53.1,+PSGORD,12,0))!$O(^PS(53.1,+PSGORD,10,0)) D
;Q:$G(PSJLMX)=1 ; there's no second screen to display
;S VALMBG=16 D RE^VALM4,PAUSE^VALM1
D FULL^VALM1
I $D(IOINORM)!('$D(IOINH)) S X="IORVOFF;IORVON;IOINH;IOINORM" D ENDR^%ZISS
I $G(PSJCOM)'="",$G(PSJCT1)=1 D
. D OVERLAP^PSGOEF2 I $G(PSJOVRLP)=1 D

```

```

. . N X,X1,DIR
. . W !,"**WARNING**"
. . W !,"The highlighted admin times for these portions of this complex order
overlap.",!!
. . S (X,X1)=" F S X=$O(^TMP("PSJATOVR",$J,X)) Q:X=" D
. . . S X1=$G(^TMP("PSJATOVR",$J,X))
. . . W $S($P(X1,"^",4)=1:IORVON,1:""),"Part "_X,IORVOFF," has a schedule of
"$P(X1,"^",2)_" and admin time(s) of "
. . . W $S($P(X1,"^",4)=1:IORVON,1:"),$P(X1,"^",3),IORVOFF
. . . W !
. . . W $S($G(PSJOVR("CONJ",X))="A":AND,$G(PSJOVR("CONJ",X))="T":THEN,1:""),!
. . W !,"Please ensure the schedules and administration times are appropriate.",!
. . S DIR(0)="EA",DIR("A")="Press Return to continue..." D ^DIR W !
K ^TMP("PSJATOVR",$J)
I $G(PSJPROT)=3,'$D(PSJTUD),'$$ENIVUD^PSGOEF1(PSGORD) Q
I $G(PSGOSCH)]" D S:$G(PSGS0XT)'=" $P(^PS(53.1,+PSGORD,2),"^",6)=PSGS0XT
.N PSGOES,PSGS0Y,PSGSCH S X=PSGOSCH K:$G(PSJTUD) NSFF D ENOS^PSGS0
.I '($G(PSGORD)[ "P"&($P($G(^PS(53.1,+PSGORD,0)),"^",24)="R")) I $G(X)]"&$G(PSGS0Y)
S:$G(PSGAT)=" PSGAT=PSGS0Y
.I $G(PSJNSS) S PSGOSCH=" K PSJNSS
.I $G(PSGORD)[ "P",$G(PSGAT),$G(PSGS0Y),($G(PSGOSCH)]" I PSGAT'=PSGS0Y D
..S PSGNSTAT=1 W $C(7),!!,"PLEASE NOTE: This order's admin times (" ,PSGAT,")"
..W !?13," do not match the ward times (" ,PSGS0Y,")"
..W !?13," for this administration schedule (" ,PSGOSCH,")",!
..S DIR(0)="EA",DIR("A")="Press Return to continue..." D ^DIR K DIR W !
I $G(PSGS0XT)=" S $P(^PS(53.1,+PSGORD,2),"^",6)=$S($P($G(ZZND),"^",3)'
="":$P(ZZND,"^",3),1:"")
S CHK=0 S:$P($G(^PS(53.1,+PSGORD,0)),U,24)'="R" PSGSI=$$ENPC^PSJUTL("U"
,+PSJSYSP,180,PSGSI)
I '$G(PSJTUD),$G(PSJNSS),($G(PSGOSCH)]" D NSSCONT^PSGS0(PSGOSCH,PSGS0XT)
K PSJNSS S PSGOSCH="
S PSGOEFF=PSGOSCH=""+('$O(^PS(53.45,PSJSYSP,2,0))*10)
I PSGOEFF S X=$S(PSGOEFF#2:" a SCHEDULE",1:"")_S(PSGOEFF=11:" and",1:"
")_S(PSGOEFF#9:" at least one DISPENSE DRUG",1:"")
I 'PSGOEFF I (($G(PSGS0XT)="D")&($G(PSGAT)="")) S X=" Admin Times",PSGO
EFF=1,PSGOEFF39=1
I PSGOEFF,X]" S X=X_" before it can be finished."
I PSGOEFF S CHK=1 W $C(7),!!,"PLEASE NOTE: This order must have" F Q=1:1:$L(X," ") S
Y=$P(X," ",Q) W:$L(Y)+$X>78 ! W Y," "
I $G(PSGOEFF39) S PSGOEE=0,PSGOEFF=0 D I 'PSGOEE D REFRESH^VALM G DONE
.S F1=53.1,MSG=0,Y=$T(39),@("PSGFN(39)="_$P(Y,";",7)),PSGOEEF(+P(Y,";"
,3))=1,(PSGOEEF,PSGOEE)=1 W ! D @$P($T(39),";",3) S CHK=0
I PSGOEFF=1 S F1=53.1,MSG=0,Y=$T(38),@("PSGFN(38)="_$P(Y,";",7)),PSGOEEF
(+P(Y,";",3))=1,(PSGOEE,PSGOEEF)=1 W ! D @$P($T(38),";",3) S CHK=0 G:'PSGOEE DONE
I PSGOEFF=11 S F1=53.1,MSG=0,Y=$T(32),@("PSGFN(32)="_$P(Y,";",7)),PSGOE
EF(+P(Y,";",3))=1,(PSGOEE,PSGOEEF)=1 W ! D @$P($T(32),";",3) D G:'PSGOEE DONE
.S F1=53.1,MSG=0,Y=$T(38),@("PSGFN(38)="_$P(Y,";",7)),PSGOEEF(+P(Y,";"
,3))=1,(PSGOEE,PSGOEEF)=1 W ! D @$P($T(38),";",3) S CHK=0
I PSGOEFF#9 S CHK=7 D ENDRG^PSGOEF1(+PSGPD,0) I CHK D ABORTACC Q
I 'PSGOEFF D OC531^PSGOESF ; check every dispense drug from CPRS
S VALMBG=1
I 'PSGOEFF&($D(PSGORQF)) D RE^VALM4 Q
I $G(MSG) K DIR S DIR(0)="E" W !! D ^DIR
I PSGOEFF D:PSGST=" GTST^PSGOE6(+PSGORD)
S PSJLMFIN=1
K PSJACEPT I $O(^PS(53.1,+PSGORD,12,0)) S PSJLMP2=1
S PSGOEEENO=0,PSGSTAT=$S($P(PSJSYSP0,U,9):"ACTIVE",1:"NON-VERIFIED")
NEW PSJDOSE,PSJDOX,PSJDSFLG
D DOSECHK^PSJDOSE
S:+$G(PSJDSFLG) VALMSG="Dosage Ordered & Dispense Drug are not compatible"
I PSGODO=PSGDO S PSGOEFF(109)="
I PSGODO'=PSGDO S PSGOEEENO=1,VALMSG="This change will cause a new order to be created "
D EN^VALM("PSJU LM ACCEPT")
I $G(PSJNSS) D S PSGOEFF(26)=" K PSJACEPT,PSJNSS
.K DIR S DIR(0)="FOA",DIR("A")="Invalid Schedule" D ^DIR K DIR
I $G(PSGS0XT)="D", '$G(PSGS0Y), '$G(PSGAT),((("P,R,")'["_",_$G(PSGST)_",")) D S
PSGOEEF(39)=" K PSJACEPT
.K DIR S DIR(0)="FOA",DIR("A")=" WARNING - Admin times are required for DAY OF WEEK
schedules " D ^DIR K DIR
;***PSJ*5*113
I $G(PSGAT)="", (PSGST="C"!(PSGST="R")) D

```

```

.I $G(PSGS0XT) Q:$SODD^PSGS0(PSGS0XT)
.Q:$S$PRNOK^PSGS0($G(PSGSCH))
.Q:($P($G(ZZND),"^",5)'="C")
.K PSJACCEPT
.K DIR S DIR(0)="FOA",DIR("A")=" WARNING - Admin times are required for CONTINUOUS
orders " D ^DIR K DIR
;***
I '$G(PSJACCEPT) D ABORTACC Q
I $G(PSJRNFB),$G(^PS(53.1,+PSGORD,4)) D
. W $C(7),!!,"ACCEPTING THIS ORDER WILL CHANGE THE STATUS TO ACTIVE."
. S DIR(0)="Y",DIR("A")="Do you wish to make this order Active",DIR("?",1)="Enter "N"
if you wish to exit without Activating this order,"
. S DIR("?)="or "Y" to continue with the Activation process." D ^DIR
S:'Y Y=-1 K DIR
I $G(PSJRNFB),$G(Y)=-1 S PSJACCEPT=0 D ABORTACC Q
I $G(PSJRNFB),$G(Y)=1 S PSGOEAV=1
I $G(PSGEDTOI) D OC^PSJOE1
I $S($G(PSGORQF):0,$G(PSGEDTOI):0,$G(PSGOEER)["109^PSGOE8":1,$G(PSGOEER)["3^PSGOE8":1,
$G(PSGOEER)["26^PSGOE8":1,$G(PSGOEER)["10^PSGOE81":1,$G(PSGOEER)["25^PSGOE81":1,1:0) D
. NEW PSJDD S PSJDD=+$DD53P45^PSJMISC()
. D:$G(PSJDD) IN^PSJOCDS($G(PSGORD),"UD",PSJDD)
I $G(PSGORQF) S PSGOEENO=0,PSJACCEPT=0
I PSGOEENO S PSJNOO=$$ENNOO^PSJUTL5("E"),PSJACCEPT=$S(PSJNOO<0:0,1:1)
ACCEPT ;
S VALMBCK=$S($G(PSJACCEPT):"Q",1:"R")
I '$G(PSJACCEPT) D ABORTACC Q
K PSGOES,PSGRSD,PSGRSDN D:PSGOEENO NEW3^PSGOEE D:'PSGOEENO UPD^PSGOEF1 I
$D(PSGOEF)!PSGOEENO S PSGCANFL=-1
; saves drug allergy signs/symptoms PSJ*5*260
I +$G(^TMP("PSODAC",$J,1,0)) D
.N DA,OCDDT,ORN,ORL,Z,RET,PSJDAOC
.S PSJDAOC="IP MEDS "_$S($G(PSGORD)["P":"Pending/Non-Verified",$G(PSGORD)["U":"Unit
Dose",$G(PSGORD)["V":"IV",1:""]_" Order Acceptance",OCDDT=$$NOW^XLF
DT
.I PSGORD["P" S ORN=$P(^PS(53.1,+PSGORD,0),U,21)
.I PSGORD["U" S ORN=$P(^PS(55,DFN,5,+PSGORD,0),U,21)
.I PSGORD["V" S ORN=$P(^PS(55,DFN,"IV",+PSGORD,0),U,21)
.Q:'$G(ORN)
.D DAOC^PSJHL3
K ^TMP("PSODAC",$J)
D DONE1^PSGOEE
D DONE
Q
BYPASS ;
S PSGCANFL=1
;
DONE ;
K CHK,DA,DIE,DR,DRG,MSG,Q1,Q2,PSGNSTAT,PSGEDTOI,PSGOEER
K PSJOVR
Q
ABORTACC ; Abort Accept process.
K PSJCT1,PSJOVR,PSJOVRLP,PSJCT1A K ^TMP("PSODAC",$J)
D ABORT^PSGOEE K PSGOEEF D GETUD^PSJLMGUD(PSGP,PSGORD),^PSGOEF,ENSFE^PS
GOEE0(PSGP,PSGORD),INIT^PSJLMUDE(PSGP,PSGORD) S VALMBCK="R",PSGSD=PSGNESD,PSGFD=PSGNEFD Q
;
;
31 ;;101^PSGOE8;PSGOPD;PSGPD;101;1
32 ;;109^PSGOE8;PSGODO;PSGDO;109;PSGODO]" "
33 ;;10^PSGOE81;PSGOSD;PSGSD;10;0
34 ;;3^PSGOE8;PSGOMR;PSGMR;3;1
35 ;;25^PSGOE81;PSGOFD;PSGFD;25;0
36 ;;7^PSGOE8;PSGOST;PSGST;7;0
37 ;;5^PSGOE82;PSGOSM;PSGSM;5;0
38 ;;26^PSGOE8;PSGOSCH;PSGSCH;26;1
39 ;;39^PSGOE81;PSGOAT;PSGAT;39;0
310 ;;1^PSGOE82;PSGOPR;PSGPR;1;1
311 ;;8^PSGOE81;PSGOSI;PSGSI;8;0
312 ;;2^PSGOE82;;;2;0
313 ;;40^PSGOE82;;;40;0
;
AH ;

```

<p>W !!?2,"Answer 'YES' to accept this order as a NON-VERIFIED UNIT DOSE order. Answer",!,"'NO' to edit this order now. Enter '^' to BYPASS this order, leaving it as",!,"a PENDING INPATIENT order." Q</p>
Modified Logic (Changes are in bold)
New Routine

6.2.12.1.1.3 PSGOEL

Routine Name	PSGOEL		
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change		
SRS Traceability			
Related Options			
Related Routines	Routines "Called By" L+1^PSGOE1 LOG+1^PSJOE	Routines "Called" ^DIR \$\$ENDDN^PSGMI \$\$ENDTC^PSGMI \$\$ENNP^PSGMI ENA^PSGVWO ENHIS^PSJHIS ENHIS^PSJINHIS PSJOCKVW	
Data Dictionary References	^PS(55)		
Related Protocols	N/A		
Related Integration Agreements	N/A		
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local		
Input Attribute Name and Definition	Name: Definition:		
Output Attribute Name and Definition	Name: Definition:		
Current Logic:			
<pre> PSGOEL ;BIR/CML3-DISPLAY LOGS ;27 JUN 95 / 6:14 PM ;;5.0;INPATIENT MEDICATIONS;***267**;16 DEC 97;Build 158 ; ENLM(PSGP,PSGORD) ; S DIR(0)="SAO^1:Short Activity Log;2:Long Activity Log;3:Dispense Log;4:History Log;5:Instructions History",DIR("A")="Select LOG to display: ",DIR("A",1)=" 1 - Short Activity Log" S DIR("A",2)=" 2 - Long Activity Log",DIR("A",3)=" 3 - Dispense Log" S DIR("A",4)=" 4 - History Log",DIR("A",5)=" 5 - Instructions History", DIR("A",6)=" ",DIR("A",7)="^D ENH^PSGOEL" W ! D ^DIR K DIR G:'Y DONE I Y<3 S AT=\$E("SL",Y) D ENA^PSGVW0 G DONE I Y=4 D ENHIS^PSJHIS(PSGP,PSGORD,"U") Q I Y=5 N PSJINHIS S PSJINHIS=1 D ENHIS^PSJINHIS(PSGP,PSGORD,"U") Q I '\$O(^PS(55,PSGP,5,+PSGORD,11,0)) W ! !,"There is NO DISPENSE LOG for this order at this time." E S Q=0 F C=1:1 S Q=\$O(^PS(55,PSGP,5,+PSGORD,11,Q)) Q:'Q S ND=\$G(^Q,0)) D PDL Q:'Y ; DONE ; </pre>			

Q	
;	
PDL	; print dispense log
I	'(C#5) K DIR S DIR(0)="E" W ! D ^DIR Q:'Y
S	Y=1,PSGOD=\$\$ENDTC^PSGMI(+ND),DRG=\$\$ENDDN^PSGMI(\$P(ND,"^",2)),HOW=\$P("UNKNOWN^THROUGH THE PICK LIST^AS PRE-EXCHANGE UNITS^AS EXTRA UNITS^AS RETURNS",
^	",\$P(ND,"^",5)+1),WHO=\$\$ENPNP^PSGMI(\$P(ND,"^",6))
W	!!?3,"Date: ",PSGOD,?33,"Drug: ",DRG,!,"Entered: ",HOW W:\$P(ND,"^",5)
'=1	?35,"By: ",WHO W !?2,"Units: ",\$P(ND,"^",3)
Q	
;	
ENH	
W	!!?2,"Select '1' to view a SHORT ACTIVITY LOG for this order. A short activity log",!,"shows only the main activities associated with the order."
W	!!?2,"Select '2' to view a LONG ACTIVITY LOG for this order. A long activity log",!,"shows all activities associated with the order."
W	!!?2,"Select '3' to view the DISPENSE LOG for this order. The dispense log shows",!,"the information about the order pertaining to the medication(s) dispensed for",!,"it, such as how many, when, by whom, etc."
W	!!?2,"Select '4' to view the HISTORY LOG for this order. The history log shows",!,"every order associated with this order. Associated orders include orders",!,"created from renewing an order or editing certain fields of an order."
Q	
Modified Logic (Changes are in bold)	
New Routine	

6.2.12.1.1.4 PSGOER

Routine Name	PSGOER	
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
SRS Traceability		
Related Options		
Related Routines	Routines "Called By"	Routines "Called"
	ACT+3^PSGOE1 OC55+3^PSGOER0 ENRI+4^PSGOERI RENEW+5^PSGOERS START+17^PSG0TR CLEAN+16^PSJ0077 FILEUD+6^PSJCOMR VFY+16^PSJHLV PSGACT+6^PSJLIORD RENEW+6^PSJOE RENEW+7^PSJOE CHK+24^PSJOEA1 CHK+32^PSJOEA1 CHK+30^PSJOEA2 ACTIVE+11^PSJORREN RNEWOK+5^PSJUTL2	NOW^%DTC FILE^DICN ^DIE ^DIR \$\$EN^PSBAPIPM ^PSGAL5 ABORT^PSGOEE DATE^PSGOER0 EN^PSGPEN \$\$PRNOK^PSGS0 DW^PSGS0 ENDDC^PSGSICHK ENPOS^PSGVDS \$\$DOW^PSIVUTL ^PSJCOMR EN1^PSJHL2 \$\$SCHREQ^PSJLIVFD PAUSE^PSJLMUT1 ^PSJNEWOC IN^PSJOCDS ENUDTX^PSJOREN \$\$ENQ^PSJORP2 \$\$LASTAT^PSJORP2

		ADMIN^PSJORPOE \$\$ACTIVE^PSJORREN \$\$DATE^PSJUTL2 \$\$DATE2^PSJUTL2 \$\$LS^PSSLOCK UNL^PSSLOCK PAUSE^VALM1 \$\$FMADD^XLFD
Data Dictionary References	^PS(51.1 ^PS(53.45 ^PS(55 ^PS(59.7 ^TMP("PSJDAOC"	
Related Protocols	N/A	
Related Integration Agreements	^PS(51.1 supported by DBIA 2177. ^PS(55 supported by DBIA 2191. ^PSSLOCK is supported by DBIA 2789. ^PSBAIPM is supported by DBIA 3564. ^PS(59.7 is supported by DBIA 2181. ^PSDRUG(is supported by DBIA 2192.	
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	Name: Definition:	
Output Attribute Name and Definition	Name: Definition:	
Current Logic:		
<pre> PSGOER ;BIR/CML3-RENEW A SINGLE ORDER ; 4/27/11 9:54am ;;5.0;INPATIENT MEDICATIONS ;**11,30,29,35,70,58,95,110,111,133,141,198,181, 246,278**;16 DEC 97;Build 4 ; ; Reference to ^PS(51.1 supported by DBIA 2177. ; Reference to ^PS(55 supported by DBIA 2191. ; Reference to ^PSSLOCK is supported by DBIA 2789. ; Reference to ^PSBAIPM is supported by DBIA 3564. ; Reference to ^PS(59.7 is supported by DBIA 2181. ; Reference to ^PSDRUG(is supported by DBIA 2192. ; ; renew a single order I \$G(PSJCOM) D ^PSJCOMR Q N PSJEXPIR S PSJEXPIR=\$\$EXPIRED(PSGP,PSGORD) I PSJEXPIR D Q .W !!!?3," THIS ORDER" W:PSJEXPIR'=2 " HAS BEEN INACTIVE FOR ONE OR MORE SCHEDULED",! ?8," ADMINISTRATIONS AND" .W " CANNOT BE RENEWED!" D PAUSE^VALM1 I \$G(PSGSCH)]",(\$G(PSGS0XT)="D"),(\$G(PSGAT)="") D Q .N SWD,SDW,XABB,X,QX S X=\$G(PSGSCH) D DW^PSGS0 Q:(\$G(X)="") I \$G(PSGS0XT)=" S PSGS0XT="D" .Q:((,"P,R,")[(,"_ \$G(PSGST)_",)) .I \$G(PSGS0XT)="D",\$G(PSGAT)=" S CHK=1 W !!!?3,"This order contains a 'DAY OF THE WEEK' schedule without admin times" .W !!!?11," and CANNOT be renewed!" D PAUSE^VALM1 I \$G(PSGSCH)]", '\$\$DOW^PSIVUTL(PSGSCH),'\$\$PRNOK^PSGS0(PSGSCH) I '\$D(^PS (51.1,"AC","PSJ",PSGSCH)) D Q .W !!!?3,"This order contains an invalid schedule and CANNOT be renewed!" D PAUSE^VALM1 W !! K DIR S DIR(0)="Y",DIR("A")=\$S(\$P(PSJSYSP0,"^",3):"RENEW THIS ORDER",1:"MARK THIS ORDER FOR RENEWAL"),DIR("B")="YES" S DIR("?")="Answer 'YES' to "_\$S(\$P(PSJSYSP0,"^",3):"renew this order", 1:"mark this order for renewal")_. Answer 'NO' (or '^') to stop now." D ^DIR </pre>		

```

I '$D(DIRUT),Y D NEW S PSGCANFL=1 D DONE Q
I '$D(DIRUT),PSJSYSU S PSGND4=$G(^PS(55,PSGP,5,+PSGORD,4)) I $P(PSGND4,
"^",15),$P(PSGND4,"^",16) D UNMARK,DONE Q
D DONE,ABORT^PSGOEE
Q
;
UNMARK
;
W !!,"THIS ORDER HAS BEEN 'MARKED FOR RENEWAL'.",! K DIR S DIR(0)="Y",DIR("A")="DO YOU
WANT TO 'UNMARK IT',DIR("B")="NO"
S DIR("?",1)=" Answer 'YES' to unmark this order. Answer 'NO' (or '^') to leave the
order",DIR("?",1)="marked. (An answer is required.)" D ^DIR
I 'Y D ABORT^PSGOEE G DONE
S DA(1)=PSGP,DA=+PSGORD,PSGAL("C")=21180+PSJSYSU D ^PSGAL5 S $P(PSGND4,
"^",15,17)="^^",^PS(55,PSGP,5,DA,4)=PSGND4 W "...DONE!"
;
DONE
;
K %DT,DA,DIE,DIR,DR,FDSD,PSGAL,PSGALR,PSGDL,PSGDL5,PSGFD,PSGFOK,PSGND4,
PSGOEE,PSGOER0,PSGOER1,PSGOER2,PSGOERDP,PSGPOSA,PSGPOSD,PSGPR,PSGPX,PSGRD,PSGSD,
PSGTOL,PSGT00,PSGUOW,PSGWLL,RF Q
;
NEW ; get info, write record
EXTEND ; extend stop date on renewal order
N DUOUT,PSJABT,PSGDRG,PSJREN,PSGOREAS S PSGDRG=$P($G(^PS(55,PSGP,5,+PSG
ORD,1,1,0)),("^"),PSJREN=1
I $G(PSGST)="O" N ACT S ACT=$$EN^PSBAPIM(PSGP,PSGORD) I $P(ACT,"^",2),
($P(ACT,"^",3)="G") I $P(ACT,"^",2)>$P($G(^PS(55,PSGP,5,+PSGORD,2)),("^",2) D Q
. W !!?"THIS ONE-TIME ORDER HAS ALREADY BEEN GIVEN AND CANNOT BE RENEWED",! S
(DIRUT,PSGORQF)=1 D READ
;D OC55
;Q:$D(PSGORQF) ; quit if not to continue
D NOW^%DTC S PSGDT=%,PSGND4=$G(^PS(55,PSGP,5,+PSGORD,4)) I '$P(PSJSYSP0,"^",3) D MARK Q
S PSGWLL=$S('$P(PSJSYSW0,"^",4):0,1:+$G(^PS(55,PSGP,5.1))),PSGOEE="R" K PSGOEOS
K ^PS(53.45,PSJSYSP,1),^(2) D MOVE(3,1),MOVE(1,2)
D DATE^PSGOER0(PSGP,PSGORD,PSGDT) I ($G(X)="^")!' $D(PSGFOK(106))!$G(DUOUT) D
DONE,ABORT^PSGOEE S VALMBCK="R",COMQUIT=1 Q
;D OC55
;I $G(PSGORQF) D DONE,ABORT^PSGOEE S VALMBCK="R",COMQUIT=1 Q
SPEED
;
I +$G(PSJSYSU)=3 D EN^PSGPEN(PSGORD)
Q:$G(DUOUT)
N PSGOEAV S PSGOEAV=+PSJSYSU
W !!,"...updating order..." K DA S DA(1)=PSGP,DA=+PSGORD,PSGAL("C")=PSJSYSU*10+18000 D
^PSGAL5 W "."
I '$LS^PSSLOCK(PSGP,PSGORD) D UPDREN(PSGORD,PSGDT,PSGOEPR,PSGOFD,PSJNOO
),UPDRENOE(PSGP,PSGORD,PSGDT) D UNL^PSSLOCK(PSGP,PSGORD)
;
I 'PSGOERDP,$P(PSJSYSW0,"^",4),PSGFD'<PSGWLL S $P(^PS(55,PSGP,5.1),("^")=+PSGFD
W ".DONE!" S VALMBCK="Q" Q
;
MARK
;
I $P(PSGND4,"^",15),$P(PSGND4,"^",16) W $(7),!!?"3,"...THIS ORDER IS ALREADY MARKED FOR
RENEWAL!..." Q
K DA S $P(PSGND4,"^",15,17)="1^"_DUZ_"^"_PSGDT,^PS(55,PSGP,5,+PSGORD,4)
=PSGND4,PSGAL("C")=13180,DA(1)=PSGP,DA=+PSGORD W "." D ^PSGAL5
I $D(PSJSYSO) S PSGORD=+PSGORD_"A",PSGPOSA="R",PSGPOSD=PSGDT D ENPOS^PSGVDS
Q
MOVE(X,Y) ; Move comments/dispense drugs from 55 to 53.45.
S Q=0 F S Q=$O(^PS(55,PSGP,5,+PSGORD,X,Q)) Q:'Q S ^PS(53.45,PSJSYSP,Y,Q,0)=$G(^Q,0)
S:Q ^PS(53.45,Y,0)="^53.450"_Y_"P^"_Q_U_Q
Q
OC55
;* Order checks for Speed finish and regular finish
;PSJ*5*181 - no longer use (OC will be triggered from OC^PSGOER0)
Q
NEWOC55
;
N INTERVEN,PSJDDI,PSJIREQ,PSJRXREQ,PSJPD RG,PSJDD,PSJDD0,PSJALLGY
S Y=1,(PSJIREQ,PSJRXREQ,INTERVEN,X)=" "
F PSGDDI=0:0 S PSGDDI=$O(^PS(55,PSGP,5,+PSGORD,1,PSGDDI)) Q:'PSGDDI D
. S PSJDD0=$G(^PS(55,PSGP,5,+PSGORD,1,PSGDDI,0))
. S PSJX=$P(PSJDD0,U,3) I PSJX]"", (PSJX'>$G(PSGDT)) Q
. S PSJDD=+PSJDD0
. S PSJX=$S('$D(^PSDRUG(+PSJDD,0)):1,$P($G(^2),U,3)'["U":1,$G(^("I"))

```

```

="":0,1:^( "I" ) '>$G(PSGDT)
. Q:PSJX
. S PSJALLGY(PSJDD)="
S PSJDD=$O(PSJALLGY(0))
I '+PSJDD W !!, "No active dispense drug was found" D PAUSE^PSJLMUT1 Q
K PSGORQF D ENDDC^PSGSICLK(PSGP,PSJDD)
D: '$G(PSGORQF) IN^PSJOCDS(PSGORD,"UD",PSJDD) Q:$G(PSGORQF)
Q
UPDREN(PSGORD,RNWDT,PSGOEPR,PSGOFD,PSJNOO,RDUZ) ; update renewed order
N DR,DA,DIC,DIE,DD,DO,PSGRZERO,PSGRFOUR,PSGOORD
S DR=" ",PSGOEENO=0,PSGOORD=PSGORD,PSGNESD=PSGSD Q: 'PSGORD!'RNWDT!'PSGOEPR!'PSGOFD S
PSJNOO=$S($G(PSJNOO))": '$G(PSJNOO),1:"E")
S PSGRZERO="^PS(55,"_PSGP_",5,"_+PSGORD_",0)",PSGOEORD=$P(@PSGRZERO,"^",21)
; PSJ*5*141 - changed PSGOEPR to PSGPR for field 1 of the DR string below.
S DA(1)=PSGP,DA="+PSGORD,DIE="^PS(55,"_PSGP_",5," S DR="34////^S X=PSGFD" S:$G(PSGPR)
DR=DR_";1////"_PSGPR_";110////"_PSJNOO D ^DIE
K DR,DA,DIC,DIE,DD,DO S DIC="^PS(55,"_PSGP_",5,"_+PSGORD_",14," ,DIC(0)=
"L",DIC("P")="55.6114DA",ND14=$G(@DIC_0")) ,DINUM=$P(ND14,"^",3)+1,DA(2)=PSGP,
DA(1)=+PSGORD D
. S DIC("DR")=".01////"_G(RNWDT_)";1////"_S($G(RDUZ):RDUZ,1:$G(DUZ))_
";2////"_G(PSGOEPR_)";3////"_G(PSGOFD_)";4////"_+PSGOEORD,X=$G(RNWDT) D FILE^DICN
K DR,DA,DIC,DIE,DD,DO S DA(1)=PSGP,DA="+PSGORD,DIE="^PS(55,"_PSGP_",5," ,
DR="28////A;105////@;107////@"
;PSJ*5*198
S PSGRFOUR="^PS(55,"_PSGP_",5,"_+PSGORD_",4)",PSGRFOUR=@PSGRFOUR I $P(P
SGRFOUR,"^",2)<RNWDT S DR=DR_";16////@;17////@ I $G(PSJORD)[ "P",+PSJSYSU=1 S DR
=DR_";18////@;19////@"
I '$G(PSJSPEED) I $G(PSGAT)]" ", $G(PSGAT) '$P($G(@DIE_+PSGORD_",2")) , "^",5) S
DR=DR_";41////"_PSGAT
D ^DIE
; PSJ*5*278 - Check to re-assign orderable item
N PSGPOI S PSGPOI=$$ACTIVE^PSJORREN(PSGP,PSGORD) Q:+PSGPOI=1 ;Quit if no change to OI
I +PSGPOI>1,$P(PSGPOI,U,2) D ;replace OI
. N DR,DA,DIE S DA(1)=PSGP,DA="+PSGORD,DIE="^PS(55,"_PSGP_",5," ,DR="108/
//^S X=$P(PSGPOI,U,2) D ^DIE
Q
UPDRENOE(PSGP,PSGORD,RDATE) ;
D EXPOE(PSGP,PSGORD,$G(RDATE)) ; expire original Orders File order
I PSGORD'[ "P" K DA,DR,DIE S DA(1)=DFN,DA="+PSGORD,DIE="^PS(55,"_DFN_$S(P
SGORD="U":",5," ,1:" , "IV" , " ) ,DR=$S(DIE["IV":110,1:66)_"////@ D ^DIE
D ENUDTX^PSJOREN(PSGP,PSGORD,"NR")
D EN1^PSJHL2(PSGP,"SN",PSGORD,"ORDER RENEWED")
Q
READ
; hold screen
I $D(IOST) Q:$E(IOST)'="C"
W !?5,"Press return to continue " R X:$S($D(DTIME):DTIME,1:300)
Q
EXPOE(DFN,PSJORDER,EXPDT) ; expire old Orders File entry
I PSJORDER[ "P" S FILE="^PS(53.1,"_+PSJORDER_",0)",PSJORDER=$P(@FILE,"^",25)
I (PSJORDER["U"]),(PSJORDER["V"]) Q
N CURDAT D NOW^%DTC S CURDAT=$$DATE2^PSJUTL2(%)
S PSJEXPOE=$S($G(EXPDT):EXPDT,1:CURDAT) D EN1^PSJHL2(DFN,"SC",PSJORDER) K PSJEXPOE
Q
EXPIRED(PSJX,PSJY) ;
; INPUT
; PSJX - Pharmacy Patient, pointer to ^PS(55
; PSJY - Inpatient Order Number(append with "V" or "U")
; OUTPUT
; 0 - Order has not exceeded the Expired Time Limit
; 1 - Order has exceeded the Expired Time Limit
N STOP,STATUS,NOW,CUTOFF,FREQ,LAST,ST,X,DFN,U,PSGDT,SD,WD,PSJPSTO,PSGDW
,PSGOC,ZZND,LASTAT,LSTSTR,PSBCNT S DFN=PSJX,U="^",CUTOFF=0
S STATUS=$S(PSJY["U":$P($G(^PS(55,PSJX,5,+PSJY,0)),"^",9),PSJY["V":$P($
G(^PS(55,PSJX,"IV",+PSJY,0)),"^",17),1:"")
S NOW=$S($G(PSGDT):PSGDT,1:$DATE^PSJUTL2( ))
S STOP=$S(PSJY["U":$P($G(^PS(55,PSJX,5,+PSJY,2)),U,4),1:$P($G(^PS(55,PS
JX,"IV",+PSJY,0)),"^",3))
I NOW<STOP Q 0
I PSJY["U" N ND2,ND0 S ND0=$G(^PS(55,PSJX,5,+PSJY,0)),ND2=$G(^PS(55,PSJ
X,5,+PSJY,2)),FREQ=$P(ND2,"^",6) D
.N SCHED S SCHED=$P($G(^PS(55,PSJX,5,+PSJY,2)),"^") I SCHED[ "PRN" S FRE

```

```

Q=$$PRNFREQ(SCHED)
.S LSTSTR=$P(ND2,"^",2)_"^"_$P(ND2,"^",4)_"^"_SCHED_"^"_$P(ND0,"^",7)_"
^^"_$P(ND2,"^",5)
.S LAST=$$EN^PSBAPIPM(PSJX,PSJY) I LAST,($P(ND0,"^",7)="O"),($P(LAST,"^",3)="G") I
LAST>$P(ND2,"^",2) S CUTOFF=$$FMADD^XLFD(TNOW,, -1) Q
.I 'LAST!(LAST>$P(ND2,"^",4)) S LAST=$$LASTAT^PSJORP2(DFN,LSTSTR) S:LAST
CUTOFF=$$FMADD^XLFD(TLAST,, ,FREQ) Q
.I SCHED["PRN",($P(LSTSTR,"^",6)="") S CUTOFF=$$FMADD^XLFD(TLAST,, ,FREQ) Q
.I $$DOW^PSIVUTL(SCHED) S CUTOFF=$$NXTDOW(DFN,$P(LSTSTR,"^"),$P(LSTSTR,
"^",2),$P(LSTSTR,"^",3),$P(LSTSTR,"^",6)) Q
.S LAST=$$EN^PSBAPIPM(PSJX,PSJY) I 'LAST!(LAST>$P(ND2,"^",4)) S CUTOFF=
$$FMADD^XLFD(TNOW,, -1) Q
.S $P(LSTSTR,"^")=$$FMADD^XLFD(TLAST,, ,1),$P(LSTSTR,"^",2)=$$FMADD^XLF
DT(PSGDT,, ,FREQ) S CUTOFF=$$ENQ^PSJORP2(PSJX,LSTSTR)
.I PSJY["V" N LIMIT S LIMIT=$P($G(^PS(59.7,1,31)),"^",4) S
LIMIT=$S((LIMIT]""):+LIMIT,1:24) S CUTOFF=$$FMADD^XLFD(TSTOP,, ,LIMIT) D
.I '($G(P(4))]"") N P,YP,XP S YP=$G(^PS(55,DFN,"IV",+PSJY,0)) F XP=1:1:23 S
P(XP)=$P(YP,U,XP)
.Q: '($G(P(4))]"")
.Q: '$$SCHREQ^PSJLIVFD(.P)
.N INTERVAL,LSTSTR,ND0,SCHED,IVSTYP S ND0=$G(^PS(55,PSJX,"IV",+PSJY,0))
,INTERVAL=$P(ND0,"^",15),SCHED=$P(ND0,"^",9) Q:SCHED=""
.S IVSTYP=$S($$DOW^PSIVUTL(SCHED):"D",INTERVAL="O":"O",1:"C"),LSTSTR=$P
(ND0,"^",2)_"^"_$P(ND0,"^",3)_"^"_SCHED_"^"_IVSTYP_"^"_$P(ND0,"^",11)
.S LAST=$$EN^PSBAPIPM(PSJX,PSJY) I LAST,IVSTYP="O",LAST>$P(ND0,"^",2),($
P(LAST,"^",3)="G") S CUTOFF=$$FMADD^XLFD(TNOW,, -1) Q
.I 'LAST!(LAST>$P(ND0,"^",3))!(LAST&(IVSTYP="O")) S CUTOFF=$$FMADD^XLFD(TNOW,, -1) Q
.I IVSTYP="D" S CUTOFF=$$NXTDOW(LAST,SCHED,$G(P(2)),$P($G(P(9)),"@"),$G(P(11))) Q
.I SCHED["PRN" S FREQ=$$PRNFREQ(SCHED) S CUTOFF=$$FMADD^XLFD(TLAST,, ,FREQ) Q
.S LAST=$$EN^PSBAPIPM(PSJX,PSJY) I 'LAST!(LAST>$P(ND0,"^",3)) S CUTOFF=
$$FMADD^XLFD(TNOW,, -1) Q
.S $P(LSTSTR,"^")=$$FMADD^XLFD(TLAST,, ,1),$P(LSTSTR,"^",2)=$$FMADD^XLF
DT(PSGDT,31) S CUTOFF=$$ENQ^PSJORP2(PSJX,LSTSTR)
K LYN,PSBDT,PSBFLAG,PSBSTR
Q $$S(CUTOFF<NOW:1,1:0)
;
NXTDOW(DOWDFN,DOWSD,DOWFD,DOWSCH,DOWAT) ;
N NXTADM,DOWSTR S DOWSTR=$$FMADD^XLFD(TDOWFD,, ,1)_"^"_$$FMADD^XLFD(TD
WFD,7)_"^"_DOWSCH_"^D^^"_DOWAT S NXTADM=$$ENQ^PSJORP2(DOWDFN,DOWSTR)
Q $$S(NXTADM:NXTADM,1:DOWSD)
;
PRNFREQ(SCHED) ;
N ZZND,D,DA,X,PSGAT,PSGOES,PSGST,PSJNSS,PSJPWD,TEST,VALMBCK,PSGS0XT,PSGS0Y,PSGDT
F X=$P(SCHED,"PRN"),$P(SCHED,"PRN",2),$P(SCHED,"PRN"),$P(SCHED,"PRN",2)
Q:$P($G(ZZND),"^",4) D ADMIN^PSJORPOE
Q $$S($G(PSGS0XT):PSGS0XT,1:1440)

```

Modified Logic (Changes are in bold)

New Routine

6.2.12.1.15 PSGOEV

Routine Name	PSGOEV	
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
SRS Traceability	CCR6722, CCR6695	
Related Options		
Related Routines	Routines "Called By"	Routines "Called"
	^PSGOD ENVO^PSGOE0 V^PSGOE1 EDLOOP^PSGOEE UPD^PSGOEF1	%XY^%RCR ^DIE ^DIR ^PSGAL5 NEWUDAL^PSGAL5

	ENCHK^PSGOESF VERIFY^PSGOEVS VFY^PSJHLV AD^PSJOE1 EDIT^PSJOE1	\$\$DDOK^PSGOE2 \$\$OIOK^PSGOE2 \$\$CHECK^PSGOE8 ENDRG^PSGOEF1 EXPOE^PSGOER ORSET^PSGOETO1 ^PSGOT START^PSGOTR EN^PSGPEN DW^PSGS0 ENOS^PSGS0 ENDDC^PSGSICHK ENL^PSGVDS NEWJ^PSJADM PROFILE^PSJBLDOC VFY^PSJCOM DOSECHK^PSJDOSE SETVAR^PSJDOSE EN^PSJGMRA EN1^PSJHL2 NOTIFY^PSJHL4 \$\$GETDUR^PSJLIVMD REQDT^PSJLIVMD \$\$LASTREN^PSJLMPRI IN^PSJOCDS UNL^PSSLOCK MAIN^TIUEDIT EN^VALM FULL^VALM1 PAUSE^VALM1
Data Dictionary References	^ORD(101 ^PS(50.7 ^PS(53.1 ^PS(53.45 ^PS(55 ^PSDRUG(
Related Protocols	N/A	
Related Integration Agreements	^ORD(101 supported by DBIA #872. ^PS(50.7 supported by DBIA #2180. ^PS(55 supported by DBIA #2191. ^PSSLOCK supported by DBIA #2789. ^PSDRUG supported by DBIA# 2192. MAIN^TIUEDIT is supported by DBIA #2410.	
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	Name: Definition:	
Output Attribute Name and Definition	Name: Definition:	
Current Logic:		
PSGOEV ;BIR/CML3-VERIFY (MAKE ACTIVE) ORDERS ; 4/16/10 9:18am ;;5.0;INPATIENT MEDICATIONS;**5,7,15,28,33,50,64,58,77,78,80,110,111,133, 171,207,241,267,268,260,288,296**;16 DEC 97;Build 92		

```

;
; Reference to ^ORD(101 supported by DBIA #872.
; Reference to ^PS(50.7 supported by DBIA #2180.
; Reference to ^PS(55 supported by DBIA #2191.
; Reference to ^PSSLOCK supported by DBIA #2789.
; Reference to ^PSDRUG supported by DBIA# 2192.
; Reference to MAIN^TIUEDIT is supported by DBIA #2410.
;
EN(PSGORD) ;
ENSF ; This entry point is used by Speed finish only.
; Send SN update to CPRS if auto-verify off and from Order Set entry
S:'SD(PSGOEAV) PSGOEAV=$P($G(PSJSYSPO),"^",9)&$G(PSJSYSU)
I $D(PSGOES), 'PSGOEAV, PSGORD["P", $P($G(^PS(53.1,+PSGORD,0)),"^",21)']" D
ORSET^PSGOETO1
D FULL^VALM1 I 'PSJSYSU W $C(7),$C(7),!!," THIS FUNCTION NOT AVAILABLE TO WARD STAFF."
Q
S CHK=0 I PSGORD["P" S X=$P($G(^PS(53.1,+PSGORD,0)),"^",19) I X,$D(^PS(
55,PSGP,5,$P(^0),"^",19))) S CHK+=PSGORD,PSGORD=X_"U" L -^PS(53.1,CHK) L +^PS(5
5,PSGP,5,+PSGORD):1 E W !!,"Another terminal is editing this order." G DONE
I +PSJSYSU=3 D DDCHK G:CHK DONE
I PSGORD["P" D CHK($G(^PS(53.1,+PSGORD,0)),$G(^.2)),$G(^2))
I $G(PSGSCH)]" D
.N X,Y,PSGS0Y,PSGS0XT,PSGOES S PSGOES=1 S X=PSGSCH D ENOS^PSGS0 I $G(X)=" S CHK=4
I $G(CHK) Q:$D(PSJSPEED) D EN^VALM("PSJU LM ACCEPT") G:'$G(PSJACCEPT) DONE ;G VFY
I PSGORD["U" G:'$D(^PS(55,PSGP,5,+PSGORD,4)) VFY I +PSJSYSU=3,$P(^4),"^",3) W
$C(7),!!,"THIS ORDER HAS ALREADY BEEN VERIFIED BY A PHARMACIST." S PSGACT=$P(PSGACT,"V")_
$P(PSGACT,"V",2) G DONE
I PSGORD["U" I +PSJSYSU=1,+^PS(55,PSGP,5,+PSGORD,4) W $C(7),!!,"THIS ORDER HAS ALREADY
BEEN VERIFIED BY A NURSE." S PSGACT=$P(PSGACT,"V")_ $P(PSGACT,"V",2) G DONE
;
VFY ; change status, move to 55, and change label record **ENHANCEMENTS MADE IN PSJ*5.0*260
**CCR 6214 **CCR 6244
I PSGORD["P" S PSJCOM=+$P($G(^PS(53.1,+PSGORD,.2)),"^",8) I PSJCOM D VFY^PSJCOM Q
NEW PSJDOSE,PSJDSFLG,PSJDIS,PSGORQF,PSJCNT,PSJCNT1,PSJCNT2,LIST,PSJFLG,PSGDN SET
PSJDIS="",PSJCNT=0,PSJCNT1="",PSJCNT2="",LIST="PSGP",PSJFLG="",PSGDN=""
D DOSECHK^PSJDOSE
SET PSJFLG=+$G(PSGORD)
FOR SET PSJCNT=$O(^PS(53.1,PSJFLG,1,PSJCNT)) Q:'+PSJCNT D
.IF $D(^PS(53.1,PSJFLG,1,PSJCNT,0)) SET PSGDN=$P($G(^PS(53.1,PSJFLG,1,PSJCNT,0)),U,1)
.IF +$G(PSGDN),($P($G(^PSDRUG(PSGDN,0)),U,3) ['S")&($E($P($G(^PSDRUG(PS
GDN,0)),U,2),1,2)'="XA") D
..D PROFILE^PSJBLOC($G(DFN),LIST,"I";_ $G(PSGORD))
..FOR SET PSJCNT1=$O(^TMP($J,LIST,"IN","PROFILE",PSJCNT1)) Q:(PSJCNT1="")!
(PSJDIS='') D
...SET PSJCNT2=$P(PSJCNT1,";",2)
...IF PSJCNT2=$G(PSGORD) SET PSJDIS=$P(^TMP($J,LIST,"IN","PROFILE",PSJCNT1),U,3)
..**Do order checks if PSJDIS (Dispense drug IEN) has a value
..IF $G(PSJNEWOE)=0,'$G(PSJLMFIN),'$G(PSJSTARI),'$G(PSGCOPY),'$G(PSJDIS) D
..IF +$G(PSJNEWOE)=0,'$G(PSJLMFIN),'$G(PSGCOPY),'$G(PSJDIS) D
...D EN^PSJGMRA($G(DFN),PSJDIS),ENDDC^PSGSICLK($G(PSGP),PSJDIS) D:('$G(
PSGORQF)&'$G(PSJDSVfy)&'$G(PSJSTARI)) IN^PSJOCDS($G(PSGORD),"UD",PSJDIS) IF $G(PSGORQF) K
^TMP($J,LIST) D:$G(PSJORD)]"" EN^VALM("PSJ LM UD ACTION") QUIT
IF $G(PSGORQF) QUIT
D FULL^VALM1 ;PSJ*5*241
I +$G(PSJDSFLG) D SETVAR^PSJDOSE W !!,PSJDOSE("WARN"),!,PSJDOSE("WARN1") I '$$CONT() W
!,"...order was not verified..." D PAUSE^VALM1 D Q:'$G(PSJACCEPT)
. S PSGOEEF(109)=1
. S PSJACCEPT=0
. ;D EN^VALM("PSJU LM ACCEPT")
D DDCHK G:CHK DONE
I $G(PSGSCH)]"" ,(("P,R,")'["_",_PSGST_","]) D I CHK G DONE
.N SWD,SDW,XABB,X,QX S X=$G(PSGSCH) D DW^PSGS0 Q:($G(X)=") I $G(PSGS0XT)=" S
PSGS0XT="D"
.I $G(PSGS0XT)="D",$G(PSGAT)=" S CHK=1 W !!,"This is a 'DAY OF WEEK' schedule and MUST
have admin times.",! D PAUSE^VALM1
I $G(PSGSCH)]" D I CHK G DONE
.N X,Y,PSGS0XT,PSGS0Y,PSGOES S PSGOES=2,X=PSGSCH D ENOS^PSGS0 I $G(X)=" S CHK=4
W !,"...a few moments, please..."
I PSGORD["P" D
. N PND0,PSGORDR,PSJPRIO,PSJSCHED S PND0=^PS(53.1,+PSGORD,0) I $P(PND0,U,24)="R" S
PSGORDR=$P(PND0,U,25) D Q

```

```

.. N OEORD,OEORD,FILE55,FILE55N0 S FILE55="^PS(55,"_DFN_$S($P(PND0,U,4
)="U":",5,"1:", "IV", " ),FILE55N0=FILE55_+PSGORDR_",0)"
.. S OEORD=$P(PND0,U,21) I PSGORDR S OEORD=$P(@FILE55N0,"^",21) I OEORD'=OOEORD D
EXPOE^PSGOER(DFN,PSGORD,+$$LASTREN^PSJLMPRI(DFN,PSGORD))
.. S PSGORDP=PSGORD,DIE="^PS(53.1,"DA="+PSGORD,DR="28///A;104///@ W "." D ^DIE
.. D START^PSGOTR(PSGORD,+PSGORDR) I OEORD D
... K DA,DR,DIE S DA(1)=DFN,DA="+PSGORDR,DIE=FILE55,DR=$S(DIE["IV":110,1
:66)_"_///_+OEORD D ^DIE S DIE=FILE55_+PSGORDR_",0)" , $P(@DIE,U,21)=OEORD
... D EN1^PSJHL2(DFN,"SC",PSGORDR),EN^PSGPEN(PSGORDR),UNL^PSSLOCK(PSGP,PSGORDR)
. S PSGORDP=PSGORD ;Used in ACTLOG to update activity log in 55
. D REQDT^PSJLIVMD(PSGORD)
. S DIE="^PS(53.1,"DA="+PSGORD,DR="28///A W "." D ^DIE,^PSGOT
. S PSJPRIO=$S(PSGORD["P":$P($G(^PS(53.1,+PSGORD,.2)),"^",4),PSGORD["U"
:$P($G(^PS(55,DFN,5,+PSGORD,.2)),"^",4),1:$P($G(^PS(55,PSJHLDFN,"IV",+PSGORD,.2)),"^",4))
. S PSJSCHED=$S(PSGORD["P":$P($G(^PS(53.1,+PSGORD,2)),"^"),PSGORD["U":$
P($G(^PS(55,DFN,5,+PSGORD,2)),"^"),1:$P($G(^PS(55,PSJHLDFN,"IV",+PSGORD,0)),"^",15))
. I ("S,A,")["_",_G(PSJPRIO)_,""]!($G(PSJSCHED)="NOW")!($G(PSJSCHED)["STAT") D
NOTIFY^PSJHL4(PSGORD,DFN,$G(PSJPRIO),$G(PSJSCHED))
. I $G(PSGRDTX)=" S PSGRDTX=$G(^PS(53.1,+PSGORDP,2.5))
S DA="+PSGORD,DA(1)=PSGP,PSGAL("C")=PSJSYSU*10+22000 D ^PSGAL5 W "." S V
ND4=$G(^PS(55,PSGP,5,DA,4))
I $G(PSGRDTX) D NEWUDAL^PSGAL5(PSGP,PSGORD,6090,"Requested Start Date",+$G(PSGRDTX))
I $P($G(PSGRDTX),U,3) D NEWUDAL^PSGAL5(PSGP,PSGORD,6090,"Requested Stop
Date",+$P($G(PSGRDTX),U,3))
N DUR,DURON S DURON=$S($G(PSGORD):$G(PSGORD),1:"") I DURON D
. S DUR=$S($P($G(PSGRDTX),U,2)):"":$P($G(PSGRDTX),U,2),1:$GETDUR^PSJLIV
MD(PSGP,+DURON,$S($G(DURON)["P":$P(1:5),1),1:"")
I $G(DUR)!" S $P(^PS(55,PSGP,5,+PSGORD,2.5),"^",2)=DUR
D:$D(PSGORDP) ACTLOG(PSGORDP,PSGP,PSGORD)
K PSGRSD,PSGRFD,PSGALFN
NEW X S X=0 I $G(PSGONF),(+$G(PSGODDD(1))'<+$G(PSGONF)) S X=1
I +PSJSYSU=3,PSGORD'["O",,$S(X:0,'$P(VND4,"^",9):1,1:$P(VND4,"^",15)) D
EN^PSGPEN(+PSGORD)
S $P(VND4,"^",+PSJSYSU=1+9)=1 S:$P(VND4,U,+PSJSYSU=3+9) $P(VND4,U,+PSJ
SYSU=3+9)=+$P(VND4,U,+PSJSYSU=3+9)
I PSJSYSL>1 S $P(^PS(55,PSGP,5,+PSGORD,7),U)=PSGDT S:$P(^7,U,2)=" " $P
(^7,U,2)="N"_$S($P(^PS(55,PSGP,5,+PSGORD,0),"^",24)="E": "E",1:"") S PSGTOL=2,P
SGUOW=DUZ,PSGTOO=1,DA="+PSGORD D ENL^PSGVDS
S:$P(VND4,"^",15)&'$P(VND4,"^",16) $P(VND4,"^",15)=" S:$P(VND4,"^",18)&'$P
(VND4,"^",19) $P(VND4,"^",18)=" S:$P(VND4,"^",22)&'$P(VND4,"^",23) $P(VND4,"^",22)=" S
$P(VND4,"^",PSJSYSU,PSJSYSU+1)=DUZ_"_"PSGDT,^PS(55,PSGP,5,+PSGORD,4)=VND4
I '$P(VND4,U,9) S ^PS(55,"APV",PSGP,+PSGORD)=" "
I '$P(VND4,U,10) S ^PS(55,"ANV",PSGP,+PSGORD)=" "
I $P(VND4,U,9) K ^PS(55,"APV",PSGP,+PSGORD)
I $P(VND4,U,10) K ^PS(55,"ANV",PSGP,+PSGORD)
W:'$D(PSJSPEED) ! W !,"ORDER VERIFIED.",!
I '$D(PSJSPEED) K DIR S DIR(0)="E" D ^DIR K DIR
S:+PSJSYSU=3 ^PS(55,"AUE",PSGP,+PSGORD)=" S PSGACT="C"_$S('$D(^PS(55,P
SGP,5,+PSGORD,4)): "E", $P(^4),"^",16): " ",1:"E")_RS",PSGCANFL=2
S VALMBCK="Q" D EN1^PSJHL2(PSGP,$S(+PSJSYSU=3:"SC",+PSJSYSU=1:"SC",1:"XX"),+PSGORD_"U")
; allow status change to be sent for pharmacists & nurses
; **This is where the Automated Dispensing Machine hook is called. Do NOT DELETE or
change this location **
D NEWJ^PSJADM
; **END of Interface hook **
D:+PSJSYSU=1 EN1^PSJHL2(PSGP,"ZV",+PSGORD_"U")
DONE
;
W:CHK !!, "...order NOT verified..."
I '$D(PSJSPEED), 'CHK,+PSJSYSU=3,$G(PSJPRI)="D" D
.N DIR W ! S DIR(0)="S^Y:Yes;N:No",DIR("A")="Do you want to enter a Progress
Note",DIR("B")="No" D ^DIR
.Q:Y="N"
.D MAIN^TIUEDIT(3,.TIUDA,PSGP,"","","","",1)
S VALMBCK="Q" K CHK,DA,DIE,F,DP,DR,ND,PSGAL,PSGODA,PSJDOSE,PSJVAR,VND4,X Q
;
LBL
;
Q
;
CHK(ND,DRG,ND2) ; checks for data in required fields
; Input: ND - ^PS(53.1,PSGORD,0)
; DRG - ^(.2)

```



```

; ND2 - ^{(2)}
S Y=$G(Y)
S CHK="" I DRG,$D(^PS(50.7,+DRG,0))
E S CHK=1
I ND="" S CHK=CHK_23
E S CHK=CHK_$S($P(ND,"^",3):"",1:2)_$S($P(ND,"^",7)]": "",1:3)
;The naked reference on the line below refers to the variable ND which is
^PS(53.1,PSGORD,0).
I ND2="" S CHK=CHK_$S($D(^{(0)}:4,$P(^{(0),"^",7)="OC": "",1:4)_56
E S CHK=CHK_$S($P(ND2,"^")]"": "",ND="":4,$P(ND,"^",7)="OC": "",1:4)_$S(
$P(ND2,"^",2): "",1:5)_$S($P(ND2,"^",4): "",1:6)
I $$CHECK^PSGOE8(PSJSYSP),$P(DRG,U,2)=" S CHK=CHK_8
K PSGDFLG,PSGPFLG S PSGDI=0
S: '$DDOK^PSGOE2(^PS(53.45,"_PSJSYSP_",2,"+DRG) CHK=CHK_7,(PSGDFLG,PSGDI)=1
S: '$DOIOK^PSGOE2(+DRG) PSGPFLG=1
I 'CHK,$G(PSGSCH)]" D
.N X,Y,PSGS0Y,PSGS0XT,PSGOES S PSGOES=2,X=PSGSCH D ENOS^PSGS0 I $G(X)=" S CHK=4
Q: 'CHK
W $C(7)
;
CHKM ;
D FULL^VALM1 K:CHK Y
; changed to remove ^DD ref
; PSJ*5*267 VMP Add the 8th condition
W !,"THE FOLLOWING ",$S($L(CHK)>1:"ARE",1:"IS")," EITHER INVALID OR MISSING FROM THIS
ORDER:" F X=1:1:8 W:CHK[X !?5,$P("ORDERABLE ITEM^MED ROUTE^SCHEDULE TYPE^SCHEDULE^START
DATE/TIME^STOP DATE/TIME^DISPENSE DRUG^DOSAGE ORDERED","^",X)
I CHK=7 W !,"Orders with no dispense drugs or multiple dispense drugs",!,"require
dosage ordered"
W:CHK]" !,$S($L(CHK)>1:"THESE FIELDS ARE",1:"THIS FIELD IS")," NECESSARY FOR
VERIFICATION."
N DIR S DIR(0)="E" D ^DIR I $D(DUOUT)!$D(DTOUT) S CHK=1 Q
Q
;
CONT() ;
NEW DIR,DIRUT,Y
W ! K DIR,DIRUT
S DIR(0)="Y",DIR("A")="Would you like to continue verifying the order",DIR("B")="No"
D ^DIR
Q Y
;
DDCHK ; dispense drug check
S DRGF="^PS(^PS(PSGORD["P": "53.1,"_+PSGORD,1:"55,"_PSGP_",5,"_+PSGORD)
_",",CHK=$S('$O(@ (DRGF_"1,0"))):7,1:0)
S PSGPD=$G(@ (DRGF_"2"))
S CHK=$S('$DDOK^PSGOE2(DRGF_"1",,PSGPD):7,1:0)
Q:CHK=0
W $C(7),!,"This order must have at least one valid, active dispense drug to be
verified."
;
DDEDIT ;
;*** Remove all dispense drug for this order
K @ (DRGF_"1")
; The naked reference below refers to the indirect full reference in DRGF_"1","_Q_"),
which is either ^PS(53.1,+PSGORD,Q) or ^PS(55,DFN,5,+PSGORD,Q)
K ^PS(53.45,PSJSYSP,2) S (X,Q)=0 F S Q=$O(@ (DRGF_"1","_Q_")) Q: 'Q S Y=$G(^{(Q,0)),X=Q
S ^PS(53.45,PSJSYSP,2,Q,0)=Y I Y S ^PS(53.45,PSJSYSP,2,"B",+Y,Q)="
I X S ^PS(53.45,PSJSYSP,2,0)="^53.4502P^"_X"^"_X
D ENDRG^PSGOEF1(PSGPD,X)
I 'CHK S %X="^PS(53.45,"_PSJSYSP_",2,",%Y=DRGF_"1," D %XY^%RCR S $P(@ (D
RGF_"1,0")),"^",2)=$S(DRGF[53.1:"53.11P",1:"55.07P")
K DRG,DRGF Q
;
AESCREEN() ;
; Output: 0 - Required fields missing and DON'T allow accept
; 1 - Required fields found.
Q: '$G(CHK) 1
S Y=$P($G(^ORD(101,+G(^ORD(101,DA(1),10,DA,0)),0)),U) I Y="" Q 0
I Y="PSJU LM ACCEPT EDIT" Q 1
Q 0
ACTLOG(PSGORDP,DFN,PSGORD) ;Store 53.1 activity log in local array to be moved to 55

```

<pre> ;PSGORDP: IEN from 53.1 ;PSGORD : IEN from 55 NEW PSGX,PSGXDA,PSGAL531,Q,QQ F PSGX=0:0 S PSGX=\$O(^PS(53.1,+PSGORDP,"A",PSGX)) Q:'PSGX D . S PSGAL531=\$G(^PS(53.1,+PSGORDP,"A",PSGX,0)) . S QQ=\$G(^PS(55,DFN,5,+PSGORD,9,0)) S:QQ="" QQ="^55.09D" F Q=\$P(QQ,U,3)+1:1 I '\$D(^Q)) S \$P(QQ,U,3,4)=Q_U_Q,^(0)=QQ,PSGXDA=Q Q . S ^PS(55,DFN,5,+PSGORD,9,PSGXDA,0)=PSGAL531 . N TXTLN S TXTLN="" F S TXTLN=\$O(^PS(53.1,+PSGORDP,"A",PSGX,1,TXTLN)) Q:TXTLN="" D .. I TXTLN=0 S ^PS(55,DFN,5,+PSGORD,9,PSGXDA,1,TXTLN)=^PS(53.1,+PSGORDP ,"A",PSGX,1,TXTLN) Q .. S ^PS(55,DFN,5,+PSGORD,9,PSGXDA,1,TXTLN,0)=^PS(53.1,+PSGORDP,"A",PSGX,1,TXTLN,0) Q </pre>
Modified Logic (Changes are in bold)

6.2.12.1.1.6 PSIV

Routine Name	PSIV	
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
SRS Traceability	CCR6425	
Related Options		
Related Routines	Routines “Called By”	Routines “Called”
	ENTDRG^PSIVDRG BEG^PSIVDRG PSIVLBDL^PSIVLBDL Q^PSIVOD OK^PSIVOPT2 P^PSIVORC SETN^PSIVORE BEG^PSIVORE OK^PSIVORE Q^PSIVORE B1^PSIVORE1 SS^PSIVORE1 PAT^PSIVPR EN^PSIVRD EN1^PSIVRD BEGRNL^PSIVRNL ENDRNL^PSIVRNL PAT^PSIVRQ1 ASK^PSIVSUS1 A^PSIVUWL ASK^PSIVUWL ASK^PSIVWL1 ENRSET^PSIVWL1	NOW^%DTC ^DIC ^DIE ^DIR ENASR^PSGON ENCHK^PSGON ENNB^PSIVACT ORDNO^PSIVRD \$\$ENU^PSIVUTL ENBOTH^PSJAC \$\$AA^PSJDPT EN^PSJDPT EN^PSJLIPRF \$\$ENORL^PSJUTL \$\$L^PSSLOCK \$\$LS^PSSLOCK UL^PSSLOCK UNL^PSSLOCK EN^VALM FULL^VALM1
Data Dictionary References	^PS(55	
Related Protocols		
Related Integration Agreements	^PS(55 is supported by DBIA 2191 ^PSSLOCK is supported by DBIA 2789 ^%DTC is supported by DBIA 10000 ^DIC is supported by DBIA 10006 ^DIE is supported by DBIA 10018	

	^DIR is supported by DBIA 10026 ^VALM is supported by DBIA 10118 ^VALM1 is supported by DBIA 10116 ^PS(51.1 is supported by DBIA 2177
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local
Input Attribute Name and Definition	Name: Definition:
Output Attribute Name and Definition	Name: Definition:
Current Logic:	
<pre> PSIV ;BIR/PR,MLM-MISC UTILITIES ;19 Mar 99 / 9:45 AM ;;5.0;INPATIENT MEDICATIONS;**7,16,29,38,53,56,72,58,110,181,267,275,296**;16 DEC 97;Build 88 ; ; Reference to ^PS(55 is supported by DBIA 2191 ; Reference to ^PSSLOCK is supported by DBIA 2789 ; Reference to ^%DTC is supported by DBIA 10000 ; Reference to ^DIC is supported by DBIA 10006 ; Reference to ^DIE is supported by DBIA 10018 ; Reference to ^DIR is supported by DBIA 10026 ; Reference to ^VALM is supported by DBIA 10118 ; Reference to ^VALM1 is supported by DBIA 10116 ; Reference to ^PS(51.1 is supported by DBIA 2177 ; ENGETP ;Enter here to select patient. K DIC S DIC("W")="W " " ",\$P(^{(0),"^"},9) W:\$D(^{(1)}) " " ",^{(1)}",DIC= " ^DPT(" ,DIC(0)="QEM" D FULL^VALM1 GETP1 ; ;NEW arrays use in order checks NEW PSJEXCPT,PSJOCER S PSGPTMP=0,PPAGE=1,DFN=-1,X="Select PATIENT:^^^1" D ENQ Q:"^[X D EN^PSJDPT I Y<0 G ENGETP N PSGP,PSJACNWP S (PSGP,DFN)=+Y D ENBOTH^PSJAC S PSJORL=\$\$ENORL^PSJUTL(\$G(VAIN(4))) Q ; ENYN ;Enter here for yes/no responses. This is a general reader that I have ;been phasing out with ^DICN S X=X_"^Y:YES:N:NO^YES,NO" ; ENQ ;Enter here to read X. This is the general reader that I have ;been slowly phasing out S QUD=\$P(X,"^",2) W !,\$P(X,"^")," " W:QUD]" " QUD,"/" " R QUX:DTIME W:'\$T \$C(7) S:'\$T QUX="^" S:QUX=" " QUX=QUD I QUX["^"!(QUX["?") G KILL I \$L(QUX)>500 W " ?? " G ENQ S:QUX?1L QUX=\$C(\$A(QUX)-32) S QUD=";"_ \$P(X,"^",3)_" "; G:QUD'([";"_QUX_"") VAR S QUX1=\$E(QUD,\$F(QUD ,QUX_"");(\$F(QUD,";"_,\$F(QUD,QUX_""))-2)) G:QUX1[";" VAR W " ",QUX1 G KILLVAR F QUX1=1:1 S QUD=\$P(\$P(X,"^",4),"",QUX1) Q:QUD=" " I \$P(QUD,QUX)=" " W \$S(\$P(X,"^",2)=QUX:" "_QUX,1:"")_ \$P(QUD,QUX,2,99) S QUX=QUD G KILL PAT I \$P(X,"^",5)]"" ,@\$P(X,"^",5,999) G KILL W \$C(7)," ??? " G ENQ KILL S X=QUX K QUX,QUX1,QUD,PSJDCEXP Q ; ENADM ;Edit administration schedules. S DIC="^PS(51.1," ,DIC(0)="QEAML",DLAYGO=51.1 D ^DIC K:+Y<0 % ,DA,D0,DIC, DIE,DLAYGO,DR,Z,Y Q:'\$D(Y) S DIE=DIC,DR=".01;1",DA=+Y K DIC D ^DIE G ENADM ; ENOW D NOW^%DTC S Y=% K % ,%H,%I Q ; ENC ;Get unit of measure for drug selected. </pre>	

```

S X=$P($P(";"_$_P(Y,U,3),"_"X_"":",2),";")
Q
;
ENCHS ;Needs PSIVBR (Branch point)
D ENGETP G:DFN<0 Q
;* Lock patient if calling FROM PSJI DELETE ORDER.
I PSIVBR="D ENT^PSIVPGE",('$_L^PSSLOCK(DFN,1)) Q
OE N CONT S CONT=0
F Q:CONT D ENCHS1
Q:$D(ORVP)
G ENCHS
ENCHS1 ;
I '($AA^PSJDPT(DFN)>0) S CONT=1 Q
S PSJORQF=0,CONT=0
S PSJPROT=2,PSJOL="", (PSGOP,PSGP)=DFN
K PSJLMPRO D EN^VALM("PSJ LM BRIEF PATIENT INFO")
S VALMCNT=30
I PSIVBR="D PROCESS^PSIVRD", (PSJOL="N") D ORDNO^PSIVRD Q
I $G(PSJNEWOE) S PSJOL="S"
I PSJOL="S"!(PSJOL="L") F Q:CONT S P("PT")=PSJOL D
. S PSJORQF=0,PSJNEWOE=0
. D ENNB^PSIVACT
. I '$D(^TMP("PSIV",$J)) D FULL^VALM1 W !,?30,"NO ORDERS FOUND",! K DIR S DIR(0)="E" D
^DIR W @IOF S CONT=0
. NEW PSJIVPRF S PSJIVPRF=1
. S PSJOL=$S(",S,L,"[(", "_$G(PSJOL)_","):PSJOL,1:"S")
. D EN^VALM("PSJ LM IV OE")
. I $G(VALMBCK)="Q" Q
. S CONT=1
;* Unlock patient if come from PSJI DELETE ORDER
I '$G(PSJORQF) S CONT=1
I PSIVBR="D ENT^PSIVPGE" D UL^PSSLOCK(DFN)
K PSJLMPRO
Q
SELSE ;SELECT ORDER USING "SO" OPTION
S PSGLMT=^TMP("PSJPRO",$J,0) D ENASR^PSGON,OV
Q
SELNUM ;SELECT ORDERS WITH NUMBERS
S PSGLMT=^TMP("PSJPRO",$J,0),X=$P(XQORNOD(0),"=",2) D ENCHK^PSGON,OV
Q
OV ;
I '$D(PSGODDD) S VALMBCK="R" Q
N DONE
F PSIVOV1=1:1:PSGODDD F PSIVOV2=1:1:$L(PSGODDD(PSIVOV1),"")-1 D
.S ON=+$P(PSGODDD(PSIVOV1),"",PSIVOV2)
.S ON=$$GTON(ON)
.Q:'ON!$G(DONE)
.D OV1
S VALMBCK="Q"
Q
GTON(X) ;
;Return the ON node from ^Tmp
I $G(X)=" " Q " "
I $D(^TMP("PSIV",$J,"AB",X)) Q ^X
I $D(^TMP("PSIV",$J,"NB",X)) Q ^X
I $D(^TMP("PSIV",$J,"PB",X)) Q ^X
I $D(^TMP("PSIV",$J,"XB",X)) Q ^X
I $D(^TMP("PSIV",$J,"NDB",X)) Q ^X
I $D(^TMP("PSIV",$J,"PDB",X)) Q ^X
I $D(^TMP("PSIV",$J,"RDB",X)) Q ^X
; clinic orders
N REF,REF2,PSJCLND S (REF,REF2,PSJCLND)=" " F S PSJCLND=$O(^TMP("PSIV",
$J,PSJCLND)) Q:($G(REF))" " D
. I $P(PSJCLND,"^",4)="AB" I $D(^TMP("PSIV",$J,PSJCLND,X)) S REF=^X Q
. I $P(PSJCLND,"^",4)="NB" I $D(^TMP("PSIV",$J,PSJCLND,X)) S REF=^X Q
. I $P(PSJCLND,"^",4)="PB" I $D(^TMP("PSIV",$J,PSJCLND,X)) S REF=^X Q
. I $P(PSJCLND,"^",4)="XB" I $D(^TMP("PSIV",$J,PSJCLND,X)) S REF=^X Q
. I $P(PSJCLND,"^",4)="NDB" I $D(^TMP("PSIV",$J,PSJCLND,X)) S REF=^X Q
. I $P(PSJCLND,"^",4)="PDB" I $D(^TMP("PSIV",$J,PSJCLND,X)) S REF=^X Q
. I $P(PSJCLND,"^",4)="RDB" I $D(^TMP("PSIV",$J,PSJCLND,X)) S REF=^X Q
I ($G(REF))" " Q REF

```

OV1	<pre> Q "" ; ;PSJENHOC=1 if DI,DT were displayed. This will be used by dosing OC to check if error messages should display or not NEW PSJDSVfy,PSJENHOC S (ON,ON55,P("PON"))=9999999999-ON_\$S(ON["V":"V",1:"P"]) I PSIVBR["D ^PSIVW1" D . S VALMSG="Select either "AL" , "LL" or "AL,LL" for both" . S PSJORD=ON D EN^PSJLIPRF E D . I PSIVBR="D ^PSIVOPT", '(\$\$LS^PSSLOCK(PSGP,ON)) Q . X PSIVBR . D:PSIVBR="D ^PSIVOPT" UNL^PSSLOCK(PSGP,ON) K: '\$D(DUOUT)&(\$G(Y)'=-1) DONE Q ; ; ;Get IV additive strength. Called from templates. N Y S Y=+^PS(55,DA(2),"IV",DA(1),"AD",DA,0),PSIVSTR=\$\$ENU^PSIVUTL(Y) Q Q ; K ^TMP(\$J,"PSJPRE") K ^TMP("PSIV",\$J),^TMP("PSJ",\$J),^TMP("PSJPRO",\$J),^TMP("PSJALL",\$J),^TMP ("PSJI",\$J),^TMP("PSJON",\$J) K DRG,DRGI,DRGN,DRGT,ERR,I,JJ,MI,N,N2,ON,ON55,P,P1,P3,P16,P17,PNOW,PS,P SGODD,PSGODDD,PSIV,PSIVAAT,PSIVACT,PSIVADM,PSIVAT K PSIVC,PSIVDT,PSIVFLAG,PSIVLN,PSIVNOW,PSIVNU,PSIVON,PSIVOV1,PSIVOV2,PS IVREA,PSIVSTR,PSIVSTRT,PSIVNOL,PSIVTYPE,PSJNKF K PSJORF,PSJORIFN,RDWARD,START,STOP,SCHED,USER,V,XT K %, %I,DIC,PSIVC,PSIVNU,PSIVON,PSIVREA,PSIVOV1,PSIVOV2,RDWARD,V,VAERR,V W,X,X2,Y,Y1,Z,Z1,Z2 Q </pre>
Modified Logic (Changes are in bold)	

6.2.12.1.1.7 PSIVEDT

Routine Name	PSIEVDT		
Enhancement Category	<input type="checkbox"/> New	<input checked="" type="checkbox"/> Modify	<input type="checkbox"/> Delete <input type="checkbox"/> No Change
SRS Traceability			
Related Options			
Related Routines	Routines "Called By"	Routines "Called"	
	R1+9^PSIVOPT2 RI+6^PSIVOPT2 RENEW^PSIVORA1 FLUIDQ0+10^PSIVORA1 FINISH+6^PSIVORC2 NEW+6^PSIVORE2 NEWORD+1^PSIVORFE R1+1^PSJCOMR RI+6^PSJCOMR FINISH+31^PSJLIFN FINISH+32^PSJLIFN IV+23^PSJLIFNI	^DIC ^DIE CHK^DIE ^DIR ENSTOP^PSIVCAL DRG^PSIVEDRG SAVEDRG^PSIVEDRG 10^PSIVEDT1 25^PSIVEDT1 26^PSIVEDT1 39^PSIVEDT1 59^PSIVEDT1 63^PSIVEDT1 64^PSIVEDT1 ORFLDS^PSIVEDT1 OC^PSIVOC SETDD^PSIVOC ENHLP^PSIVORC1	

		CMPLX^PSJCOM1 \$\$COMPARE^PSJMISC GMRAOC^PSJOC \$\$COMPLEX^PSJOE FULL^VALM1 PAUSE^VALM1
Data Dictionary References	^PS(50.7 ^PS(51.2 ^PS(52.7 ^PS(53.1 ^PS(55 ^VA(200	
Related Protocols	N/A	
Related Integration Agreements	^DD(53.1 is supported by DBIA 2256. ^PS(52.7 is supported by DBIA 2173. ^PS(52.6 is supported by DBIA 1231. ^PS(51.2 is supported by DBIA 2178. ^PS(50.7 is supported by DBIA 2180. ^PS(55 is supported by DBIA 2191.	
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	Name: Definition:	
Output Attribute Name and Definition	Name: Definition:	
Current Logic:		
<pre> PSIVEDT ;BIR/MLM-EDIT IV ORDER ;10 Feb 98 / 3:23 PM ; ;5.0; INPATIENT MEDICATIONS ;**4,110,127,133,134,181**;16 DEC 97;Build 190 ; ; Reference to ^DD(53.1 is supported by DBIA 2256. ; Reference to ^PS(52.7 is supported by DBIA 2173. ; Reference to ^PS(52.6 is supported by DBIA 1231. ; Reference to ^PS(51.2 is supported by DBIA 2178. ; Reference to ^PS(50.7 is supported by DBIA 2180. ; Reference to ^PS(55 is supported by DBIA 2191. ; EDIT ; ;Store the DRG array. If it changed then to do an OC NEW TMPDRG,PSJFLG57 D SAVEDRG^PSIVEDRG(.TMPDRG,.DRG) I \$G(DFN)&(\$G(PSJORD)["V"]) I \$\$COMPLEX^PSJOE(DFN,PSJORD) D . N X,Y,PARENT,P2ND S P2ND=\$S(\$G(^PS(55,PSGP,"IV",+PSJORD,.2)): \$G(^PS(5 5,PSGP,"IV",+PSJORD,.2)),1:\$G(^PS(55,PSGP,5,+PSJORD,.2))) . S PARENT=\$P(P2ND,"^",8) . I PARENT D FULL^VALM1 W !!?5,"This order is part of a complex order. Please review the following ",! ?5,"associated orders before changing this order. " D CMPLX^PSJCOM1 (PSGP,PARENT,PSJORD) S DONE=0 F PSIVE=1:1 S:DONE&\$E(PSIVAC)="C" OREND=1 Q:PSIVE>\$L(EDIT,U)!(DONE) Q: '\$L(\$P(EDIT,U,PSIVE)) D @(\$P(EDIT,U,PSIVE)) S:\$E(PSIVAC,2)="N" PSIVOK=PSIVOK_U_ \$P(EDIT,U,PSIVE) I \$E(X)=U,\$L(X)>1 S:PSIVE>1 PSIVE=PSIVE-1 F D FF Q:Y<0 D @Y Q:\$E(X)'=U I \$G(PSJOCCHK) K PSJOCCHK D OC^PSIVOC K EDIT,PSIVOK,PSGDI ;If quit then restore DRG(to pre-edit state I \$G(PSGORQF) D SAVEDRG^PSIVEDRG(.DRG,.TMPDRG) Q ; </pre>		

```

1      ; Provider.
      I $G(P("RES"))="R" I $G(PSJORD)[ "P", $P($G(^PS(53.1,+G(ON),0)), "^", 24) = "R" D Q
      . W !!!5, "This is Renewal order. Provider may not be edited at this point." D
PAUSE^VALM1
      I $G(DFN)&($G(ON)["V"]) I $$COMPLEX^PSJOE(DFN,ON) D Q
      .Q:$G(PSJBKDR) W !!!5, "This is a Complex Order. Provider may not be edited at this
point." D PAUSE^VALM1
      S P(6)=$S('$G(^VA(200,+P(6),"PS")):"",' $P(^("PS"),U,4):P(6), $P(^("PS"),
U,4)<DT:" ", 1:P(6))
      W !, "PROVIDER: " _$S($P(P(6),U,2)]":$P(P(6),U,2)_"//", 1:"") R X:DTIME S
: '$T X=U S:X=U DONE=1 I $E(X)=U!(X="&P(6)) Q
      I X["???", ($E(P("OT"))="I"), (PSIVAC["C"]) D ORFLDS^PSIVEDT1 G 1
      I X]" K DIC S DIC=200, DIC(0)="EQMZ", DIC("S")="I $D(^("PS")), ^("PS"
), $S('$P(^("PS"),U,4):1, $P(^("PS"),U,4)>DT:1, 1:0) D ^DIC K DIC I Y>0 S P(6)=+Y_U_Y(0,0) Q
      S F1=53.1, F2=1 D ENHLP^PSIVORC1 W $C(7), !, "A Provider must be entered.", ! G 1
      Q
      ;
3      ; Med Route.
      I $G(P("RES"))="R" I $G(PSJORD)[ "P", $P($G(^PS(53.1,+ON,0)), "^", 24) = "R" D Q
      . W !!!5, "Med Route may not be edited at this point." D PAUSE^VALM1
      I $G(DFN)&($G(ON)["V"]) I $$COMPLEX^PSJOE(DFN,ON) D Q
      .Q:$G(PSJBKDR) W !!!5, "This is a Complex Order. Med Route may not be edited at this
point." D PAUSE^VALM1
      S P(6)=$S('$G(^VA(200,+P(6),"PS")):"",' $P(^("PS"),U,4):P(6), $P(^("PS"),
U,4)<DT:" ", 1:P(6))
      I P("MR")="" D
      .N AD,SOL,OI,RT,RTCNT
      .S AD=0 F S AD=$O(DRG("AD",AD)) Q:'AD S OI=$P(DRG("AD",AD), "^", 6) I OI S OI(OI)="
      .S SOL=0 F S SOL=$O(DRG("SOL",SOL)) Q:'SOL S OI=$P(DRG("SOL",SOL), "^", 6) I OI S
OI(OI)="
      .S OI="" F S OI=$O(OI(OI)) Q:'OI S RT=$P(^PS(50.7,OI,0), "^", 6) S:RT="" RT="NONE" S
RT(RT)=$P($G(^PS(51.2,+RT,0)), "^", 3)
      .S RT="" F RTCNT=0:1 S RT=$O(RT(RT)) Q:RT=""
      .Q:RTCNT>1
      .S RT=$O(RT("")) I RT]" S P("MR")=RT_"^"_$G(RT(RT))
      W !, "MED ROUTE: " _$S($P(P("MR"),U,2)]":$P(P("MR"),U,2)_"//", 1:"") R X:DTIME S:'$T X=U
S:X=U DONE=1 I X=U!(X="&P("MR"))!($E(X)=U) Q
      I X["???", ($E(P("OT"))="I"), (PSIVAC["C"]) D ORFLDS^PSIVEDT1 G 3
      I X]" K DIC S DIC=51.2, DIC(0)="EQMZ", DIC("S")="I $P(^(),U,4)" D ^DIC
K DIC I Y>0 S P("MR")=+Y_U_$P(Y(0),U,3) Q
      S F1=53.1, F2=3 D ENHLP^PSIVORC1 W $C(7), !, "A Med Route must be entered." G 3
      Q
      ;
10     ; Start Date.
      D 10^PSIVEDT1
      Q
      ;
25     ; Stop Date.
      D 25^PSIVEDT1
      Q
      ;
26     ; Schedule
      D 26^PSIVEDT1
      Q
      ;
39     ; Admin Times.
      D 39^PSIVEDT1
      Q
      ;
57     ; Additive.
      I $G(P("RES"))="R" I $G(PSJORD)[ "P", $P($G(^PS(53.1,+ON,0)), "^", 24) = "R"
D Q
      . W !!!5, "Additive may not be edited at this point." D PAUSE^VALM1
      I $G(DFN)&($G(ON)["V"]) I $$COMPLEX^PSJOE(DFN,ON) D Q
      .Q:$G(PSJBKDR) W !!!5, "This is a Complex Order. Provider may not be edited at this
point." D PAUSE^VALM1
      I $E(PSIVAC)="O" W !, "Only additives marked for use in IV Fluid Order Entry may be
selected."
      S FIL=52.6, DRGT="AD", DRGTN="ADDITIVE" D DRG^PSIVEDRG, DKILL
      ;I $G(X)="^" G DKILL
      ;If Solution prompt is next then wait to do dose checks after all solutions are
entered.

```

```

;PSJFLG57 is set so OC is triggered when the user entered ^ADDITIVE.
;I $G(X)']"^^",($$COMPARE^PSJMISC(.DRG,.TMPDRG)),($G(EDIT)'["58") D OC^P
SIVOC
I $$COMPARE^PSJMISC(.DRG,.TMPDRG),$(G(PSJFLG57):1,($G(EDIT)'["58"):1,1:0) K
PSJFLG57,PSJOCCHK D OC^PSIVOC
I $G(X)="^" G DKILL
Q
;
58 ; Solution.
NEW PSJCMPPFG
I $(P("RES"))="R" I $(PSJORD)[ "P",$(P($G(^PS(53.1,+ON,0))),"^^",24)="R" D Q
. W !!!5,"Solution may not be edited at this point." D PAUSE^VALM1
S FIL=52.7,DRGT="SOL",DRGTN="SOLUTION" D DRG^PSIVEDRG
;I $G(X)="^" G DKILL
;I $G(X)']"^^",$$COMPARE^PSJMISC(.DRG,.TMPDRG) D OC^PSIVOC
S PSJCMPPFG=$$COMPARE^PSJMISC(.DRG,.TMPDRG)
I 'PSJCMPPFG,$$COMPARE^PSJMISC(.DRG,.TMPDRG,1) D
. NEW X,PSJALLGY
. K PSJALLGY
. D SETDD^PSIVOC(1)
. D GMRAOC^PSJOC
. K PSJALLGY
I PSJCMPPFG K PSJOCCHK D OC^PSIVOC
K PSJCMPPFG
I $G(X)="^" G DKILL
;
DKILL ; Kill for drug edit.
K DRGI,DRGN,DRGT,DRGTN,FIL,PSIVSTR
Q
;
59 ; Infusion Rate.
D 59^PSIVEDT1
Q
;
62 ; IV Room.
N DIR S DIR(0)="PA^59.5",DIR("A")="IV Room: ",DIR("??")="^S F1=59.5,F2=.01 D
ENHLP^PSIVORC1 S:P("IVRM") DIR("B")=$(P("IVRM"),U,2)
D ^DIR Q:$D(DIRUT) I Y>0 S P("IVRM")=Y W $(P(Y,U,2),X,2)
Q
;
63 ; Remarks.
D 63^PSIVEDT1
Q
;
64 ; Other Print Info.
D 64^PSIVEDT1
Q
;
66 ; Provider's comments.
N DA,DIE,DIR S DA=PSIVUP,DIE="^PS(53.45,",DR=4 D ^DIE S PSGSI=X,Y=1
Q
;
101 ; Orderable Item.
I $(P("RES"))="R" I $(PSJORD)[ "P",$(P($G(^PS(53.1,+ON,0))),"^^",24)="R" D Q
. W !!!5,"This is Renewal order. Orderable Item may not be edited at this point." D
PAUSE^VALM1
I $(DFN)&($G(ON)["V"]) I $$COMPLEX^PSJOE(DFN,ON) D Q
.Q:$G(PSJBKDR) W !!!5,"This is a Complex Order. Orderable Item may not be edited at
this point." D PAUSE^VALM1
W !,"Orderable Item: "_$(P("PD")):$P(P("PD"),U,2)_"/",1:"") R X:DTIME
S:'$T X=U S:X=U DONE=1 I $(X)=U!(X="^P("PD")) Q
I X]" N DIC S DIC="^PS(50.7,",DIC(0)="EMQZ",DIC("B")=$(P("PD"))]"":+$P
(("PD"),U),1:""),DIC("S")="S PSJSCT=1 I $$DRGSC^PSIVUTL(Y,PSJSCT) K PSJSCT" D ^D
IC K DIC I Y>0 S P("PD")=Y Q
W $(7),!!,"Orderable Item is required!",!! G 101
Q
109 ; Dosage Ordered.
W !,"DOSAGE ORDERED: "_$(P("DO"))]"":P("DO")_"/",1:"") R X:DTIME S:'$T X=U S:X=U
DONE=1 I $(X)=U!(P("DO"))]"&(X="") Q
I X="???" D ORFLDS^PSIVEDT1 G 109
D:X]" CHK^DIE(53.1,109,"",X,X) I $G(X)="^" W $(7),!!,"Enter the dosage in which the

```


Orderable Item entered should be dispensed.",! W "Answer must be 1-20 characters in length." G 109 S P("DO")=X Q ; FF ; up-arrow to another field. N DIC S X=\$P(X,U,2),DIC="^DD(53.1," ,DIC(0)="QEM",DIC("S")="I U_PSIVOK_U [(U_+Y_U)" D ^DIC K DIC S Y=+Y I Y=57 S PSJFLG57=1 Q ; NEWDRG ; Ask if adding a new drug. K DIR S DIR(0)="Y",DIR("A")="Are you adding "_\$P(TDRG,U,2)_" as a new " _\$S(DRGT="AD":"additive",1:"solution")_" for this order",DIR("B")="NO" D ^DIR I \$D(DTOUT)!\$D(DUOUT) Q I Y S (DRGI,DRG(DRGT,0))=DRG(DRGT,0)+1,DRG=TDRG,DRG(DRGT,+DRGI)=+DRG_U_ \$P(DRG,U,2) I DRGT="SOL" S X=\$G(^PS(52.7,+DRG,0)),\$P(DRG(DRGT,DRG),U,3)=\$P(X,U,3) Q	
Modified Logic (Changes are in bold)	
New Routine	

6.2.12.1.1.8 PSIVOD

Routine Name	PSIVOD	
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
SRS Traceability		
Related Options		
Related Routines	Routines "Called By"	Routines "Called"
	PSJOE	YN^DICN ULK^ORX2 ULK+2 ENQL^PSGLW \$\$ENACTION^PSGOE1 Q^PSIV ENSTOP^PSIVCAL ENT^PSIVCAL OC^PSIVOC DEL55^PSIVORE2 NEW55^PSIVORFB \$\$GTPCI^PSIVUTL WP^PSJAC ^PSJHVARs RESTORE^PSJHVARs \$\$HIDDEN^PSJLMUTL \$\$DATE^PSJUTL2 INP^VADPT EN^VALM FULL^VALM1 PAUSE^VALM1
Data Dictionary References	N/A	
Related Protocols	N/A	
Related Integration Agreements	^ ^PS(55 is supported by DBIA 2191.	

	^ORX2 is supported by DBIA 867
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local
Input Attribute Name and Definition	Name: Definition:
Output Attribute Name and Definition	Name: Definition:
Current Logic:	
<pre> PSIVOD ;BIR/JCH-CREATE NEW IV ORDER FROM OLD ONE ;25 Nov 98 / 3:34 PM ; ;5.0; INPATIENT MEDICATIONS ;**110,127,181**;16 DEC 97;Build 190 ; ; Reference to ^PS(55 is supported by DBIA 2191. ; Reference to ^ORX2 is supported by DBIA 867. ; COPY(DFN,OLDON) ;Ask to enter new order. N PSIVOORD,OLDP,PSIVCOPY,PSGCOPY M OLDP=P Q:'\$\$HIDDEN^PSJLMUTL("COPY") D ^PSJHVAR I \$P(\$G(^PS(55,PSGP,"IV",+PSGORD,.2)),U,4)="D", '\$P(\$G(^4)), "^",3) D G Q .W !!,"Nurse verified orders with a priority of DONE may not be Copied." D PAUSE^VALM1 Q S PSGOEAV=\$P(PSJSYSP0,U,9)&PSJSYSU S PSIVOORD=PSJORD D FULL^VALM1 F W !!,"Do you want to copy this order" S %=2 D YN^DICN Q:% D CH G:%'=1 Q S P("RES")="N",PSIVAC="PN",P("PON")=ON55,PSIVUP=+\$GTPCI^PSIVUTL,PSJORD =ON55,PSGORD=PSJORD N OLDACT,PSIVCHG S OLDACT=PSGACT S PSGACT=PSGACT_"E",P(17)="N", (P("LOG"),P("LF"))="",P(21)=" K P("NAT") S:'\$G(PSGDT) PSGDT=\$\$DATE^PSJUTL2() S P("LOG")=PSGDT,P("PRNTON")="" D ENT^PSIVCAL,ENSTOP^PSIVCAL S ND4="^^^" F I=5,6,8,9 S \$P(ND2,"^",I)="" S P(17)=\$S(\$G(PSGOEAV):"A",1:"N") S P("CLRK")=DUZ_"^"_\$P(\$G(^VA(200,+DUZ,0)), "^") S PSIVCHG=0,PSJNEWOE=0,PSIVCOPY=1,VALMBCK="Q" K PSIVACEP NEW PSGORQF K PSGORQF D OC^PSIVOC G:\$G(PSGORQF) Q N PSGORD,ON,ON55,PSJORD D NEW55^PSIVORFB S (PSJORD,ON)=ON55,PSIVCOPY=2 D EN^VALM("PSJ LM IV AC/EDIT") I \$G(P("NAT"))=""&(\$G(PSJORNAT)="") D G Q .D FULL^VALM1 W !!,"Order not copied" D PAUSE^VALM1 W !!,"...copying..." ; I '\$G(PSGOEAV) D INMED ; D FULL^VALM1 W !!?5,"You are finished with the new order.",!,"The following ACTION prompt is for the original order." D PAUSE^VALM1 Q ; Kill and exit. L:\$D(PSJOE) -^PS(53.45,DUZ) S PSJNKF=1 D Q^PSIV K FIL,I1,ND,PC,PDM,PSGDT,PSGID,PSGLMT,PSGSI,PSJNARC,PSIVAC,PSIVCHG,PSIVUP,PSIVX,PSJOPC S VALMBCK="R" I '\$G(PSGDT) S PSGDT=\$\$DATE^PSJUTL2 S PSGACT=\$\$ENACTION^PSGOE1(PSGP,PSIVOORD) ; resets PSGACT after copy D RESTORE^PSJHVAR K P M P=OLDP Q ; INMED K PSJACEPT S VALMBCK="Q",PSIVCOPY=2,PSIVCHG=0 ;D ACEDIT^PSJLIAC N ON55TMP,P21TMP S ON55TMP=ON55,P21TMP=\$G(P(21)) S P(21)=" I \$G(ON55)["P",(\$G(PSJORD) ["V") S ON55=PSJORD D DEL55^PSIVORE2 I \$G(ON55TMP)]"" S ON55=ON55TMP,P(21)=P21TMP ;S (PSJORNAT,P("NAT"))="W" ;D OK^PSIVORE D EN^VALM("PSJ LM IV INPT ACTIVE") L -^PS(55,DFN,"IV",+ON55) D ULK I \$G(P("NAT"))="" D G Q .D FULL^VALM1 W !!,"Order not copied" D PAUSE^VALM1 Q </pre>	

```

ULK      ;
          Q:'$G(PSJLSORX) ;If NEW^PSIVORE did not lock, don't kill it here.
          NEW X S X=DFN_";DPT(" D ULK^ORX2 K PSJLSORX
          Q
HK       ;Queue job to print MAR labels generated for this patient.
          I PSGOP,PSGOP'=DFN D
          .N PSJACPF,PSJACNWP,PSJPWD,PSJSYSL,PSJSYSW,PSJSYSW0,DFN,VAIN,VAERR S DFN=PSGOP
          .D INP^VADPT S PSJPWD=+VAIN(4) I PSJPWD S PSJACPF=10 S PSJACPF=10 D WP^
PSJAC D:$P(PSJSYSL,U,2)]" ENQL^PSGLW
          S PSGOP=DFN
          Q
          ;
SPSOL    S SPSOL=0 F XXX=0:0 S XXX=$O(^PS(55,DFN,"IV",+ON55,"SOL",XXX)) Q:'XXX S
SPSOL=SPSOL+$P(^((XXX,0),U,2)
          K XXX Q
CH       ;
          W !!?2,"Answer 'YES' to have a new, non-verified order created for this patient,"
          W !,"using the information from this order. (The START and STOP dates will
          be",!,"recalculated.) Enter 'NO' (or '^') to stop now."
          Q

```

6.2.12.1.1.9 PSIVOPT1

Routine Name	PSIVOPT1	
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
SRS Traceability		
Related Options		
Related Routines	Routines “Called By”	Routines “Called”
	N/A	^%DT ^%DTC ^DIK ^PSGAL5 ^PSGOETO ^PSIVCAL ^PSIVOPT ^PSIVOPT2 ^PSIVORAL ^PSIVORE ^PSIVORE1 ^PSIVORE2 ^PSIVOREN ^PSIVORFA ^PSIVORFB ^PSIVORFE ^PSJHL2 ^PSJLIACT ^PSJMISC ^PSJOCDS ^PSJUTL ^PSSLOCK ^VALM1
Data Dictionary References	^^PS(55 ^VA(200	
Related Protocols	N/A	
Related Integration Agreements	^PS(55 is supported by DBIA# 2191. ^PSSLOCK is supported by DBIA #2789	

Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local
Input Attribute Name and Definition	Name: Definition:
Output Attribute Name and Definition	Name: Definition:
Current Logic:	
<pre> PSIVOPT1 ;BIR/MLM-EDIT/DC ORDER (BACKDOOR) ;22 OCT 97 / 3:14 PM ; ;5.0;INPATIENT MEDICATIONS ;**29,58,101,110,127,181,258**;16 DEC 97;Build 3 ; ; Reference to ^PS(55 is supported by DBIA 2191 ; Reference to ^PSSLOCK is supported by DBIA #2789 ; E ; Edit order through Pharmacy. D GSTRING^PSIVORE1,GTFLDS^PSIVORFE I '\$G(PSIVENO) S PSIVENO=1 D EN^VALM("PSJ LM IV AC/EDIT") S VALMBCK="Q" Q ACCEPT ; To be called by ACCEPT^PSJLIACT NEW PSIVDSFG ;I '\$G(PSJEDIT1) D CKNEW I PSIVCHG D D CKNEW D:'\$G(PSGORQF) DOSING Q:\$G(PSGORQF) ;Don't create new order if Inf rate changed not supposed to set PSIVCHG=1 I PSIVCHG,'\$G(PSJEDIT1) D .S P("OLDON")=ON55,Y=\$G(^PS(55,DFN,"IV",+ON55,0)) D NOW^%DTC S P("LOG")=\$E(%,1,12) .S P("CLRK")=DUZ_U_\$P(\$G(^VA(200,DUZ,0)),U) .I '\$G(PSGSDX)!\$G(PSGFDX) Q .I \$P(Y,U,2)=P(2),\$P(Y,U,3)=P(3) D ENT^PSIVCAL S X=P(2),%DT="T" D ^%DT S P(2)=\$E(Y,1,12),PSJEDIT1=1 D ENSTOP^PSIVCAL I '\$G(PSGORQF) S VALMBCK="Q" W !,"Order unchanged." D PAUSE^PSJMISC(1,) Q D OK^PSIVOPT2 I X["N" S VALMBCK="R" Q I X["^" D GT55^PSIVORFB W !,"Order unchanged." Q ; ;I '\$G(P(21))]" D CKNEW,@\$S(PSIVCHG:"NEWORD",1:"UPDATE") Q:\$D(X) I '\$G(P("21FLG"))]" D CKNEW,@\$S(PSIVCHG:"NEWORD",1:"UPDATE") Q:\$D(X) ; ;S PSJORL=\$\$ENORL^PSJUTL(\$G(VAIN(4))) S ON=ON55,OD=P(2) D EN^PSIVORE,^PSIVORE1 S PSJORL=\$\$ENORL^PSJUTL(\$G(VAIN(4))) S ON=ON55,OD=P(2) ;D:ON["V" EN^PSIVORE,^PSIVORE1 D:ON["V" EN^PSIVORE ; ;I \$G(PSJIVORF),PSIVCHG D EN1^PSJHL2(DFN,"SN",+ON55_"V", "NEW ORDER") NEW PSIVXX S PSIVXX=\$\$LS^PSSLOCK(DFN,+ON55_"V") I '\$G(PSJIVORF),PSIVCHG D EN1^PSJHL2(DFN,"SN",ON55,"NEW ORDER") NEW PSIV XX S PSIVXX=\$\$LS^PSSLOCK(DFN,ON55) S PSIVACEP=1 Q ; DOSING ; NEW TMPDRG ;PSIVDSFG is set when changes to fields (except Schedule for continuous IV type) that caused a new order to create. D TMPDRG^PSJMISC(DFN,\$G(ON55),.TMPDRG) I '\$S(\$G(PSIVDSFG):0,\$G(PSIVCHG):1,1:0)!\$\$COMPARE^PSJMISC(.DRG,.TMPDRG,\$ S(P("DTYP")=1:0,1:1))!\$\$INFRATE^PSJMISC(DFN,ON55,P(8),P("DTYP")) D . D IN^PSJOCDS(\$G(ON),"IV",") I '\$G(PSGORQF) S VALMBCK="Q" Q CKNEW ; Check if new order is to be created. N DNE,ND,TDRG,PSJCHG,TMPDRG S (DNE,PSIVCHG,PSIVDSFG)=0 Q:PSIVCHG D TMPDRG^PSJMISC(DFN,\$G(ON55),.TMPDRG) I '\$\$COMPARE^PSJMISC(.DRG,.TMPDRG,\$S(P("DTYP")=1:0,1:1)) S PSIVCHG=1 K TMPDRG Q:PSIVCHG F DRGT="AD", "SOL" F DRGI=0:0 S DRGI=\$O(DRG(DRGT,DRGI)) Q:'DRGI I \$P(P("OT"),U)="F", '\$P(DRG(DRGT,DRGI),U,5) S P("OT")="I" ;I '\$G(DRG("AD",0))+\$S(P("DTYP")=1:0,1:+\$G(DRG("SOL",0)))'=DRG("DRGC") S PSIVCHG=1 Q </pre>	

```

S ND(0)=G(^PS(55,DFN,"IV",+ON55,0)),ND("PD")=G(^PS(55,DFN,"IV",+ON55,.2))
N X S X=$S($P(ND(0),U,8)[ "@":$P($P(ND(0),U,8),"@"),1:$P(ND(0),U,8)])
S ND=$S($E(P("OT"))="I":$P(ND("PD"),U,1,2)_U,1:"")_P(ND("PD"),U,3)_U_
S($E(P("OT"))="I":X_U,1:"")_+$P(ND(0),U,6)_U_$P(ND(0),U,2)_U_$P(ND(0),U,3)
S:ND'=(S($E(P("OT"))="I":+P("PD")_U_$G(P("DO"))_U,1:"")_+P("MR")_U_$S(
$E(P("OT"))="I":$S(P(8)[ "@":$P(P(8),"@"),1:P(8))_U,1:"")_+P(6)_U_P(2)_U_P(3)) PSIVCHG=1
I 'PSIVCHG I $P(ND(0),U,9)'=P(9) S:(P("DTYP")=1) PSIVDSFG=1 S PSIVCHG=1
;S ND=$S($E(P("OT"))="I":$P(ND("PD"),U,1,2)_U,1:"")_P(ND("PD"),U,3)_U_
$S($E(P("OT"))="I":X_U,1:"")_+$P(ND(0),U,6)_U_$P(ND(0),U,2)_U_$P(ND(0),U,3)_U_$P(ND(0),U,9)
;S:ND'=(S($E(P("OT"))="I":+P("PD")_U_$G(P("DO"))_U,1:"")_+P("MR")_U_$S(
($E(P("OT"))="I":$S(P(8)[ "@":$P(P(8),"@"),1:P(8))_U,1:"")_+P(6)_U_P(2)_U_P(3)_U_P(9)) PSIVCHG=1
;* S ND=$S($E(P("OT"))="I":$P(ND("PD"),U,1,2)_U,1:"")_P(ND("PD"),U,3)_U_
U_$S($E(P("OT"))="I":$P(ND(0),U,8)_U,1:"")_+$P(ND(0),U,6)_U_$P(ND(0),U,2)_U_$P(
ND(0),U,3)_U_$P(ND(0),U,9)
;* S:ND'=(S($E(P("OT"))="I":+P("PD")_U_$G(P("DO"))_U,1:"")_+P("MR")_U_
$S($E(P("OT"))="I":P(8)_U,1:"")_+P(6)_U_P(2)_U_P(3)_U_P(9)) PSIVCHG=1
Q
;
UPDATE ; Update original order.
S PSIVALT=1,PSIVALCK="EN",PSIVREA="E",ON=ON55 K P("OLDON") D LOG^PSIVORAL
D SET55^PSIVORFB,ENLBL^PSIVOPT(2,DUZ,DFN,3,+ON55,"E")
D:SD(PSJIVORF) ORPARM^PSIVOREN K X Q:'PSJIVORF
S PSJORIFN=$P(G(^PS(55,DFN,"IV",+ON55,0)),U,21) Q:'PSJORIFN
S P("NAT")=""
D EN1^PSJHL2(DFN,"XX",+ON55_"V", "UPDATED ORDER")
K X
Q
;
NEWORD ; DC orig. order, get new order no.
D:SD(PSJIVORF) ORPARM^PSIVOREN I PSJIVORF D NATURE^PSIVOREN I 'SD(P("NAT")) S X=1 W
!,"Order unchanged." Q
; ;S P("RES")="E",P("OLDON")=ON55,P(16)="" K ON55 D NEW55^PSIVORFB S (P(
"PON"),P("NEWON"),ON)=ON55,ON55=P("OLDON")
S P("RES")="E",P("OLDON")=ON55,P(16)=""
Q:$NONVF()
I '($G(PSIVCOPY)=2) K ON55 D NEW55^PSIVORFB
S (P("PON"),P("NEWON"),ON)=ON55,ON55=P("OLDON") S:($G(PSIVCOPY)=2) P("OLDON")=""
I $P($G(^PS(55,DFN,"IV",+P("OLDON"),0)),U,17)="A" D D1^PSIVOPT2 D
. I PSJIVORF,$P($G(^PS(55,DFN,"IV",+ON55,0)),U,21) D EN1^PSJHL2(DFN,"OD
",+ON55_"V", "ORDER DISCONTINUED")
. ; ;S P(21)="" W !,"Original order discontinued...",&!!
. S P("21FLG")="" W !,"Original order discontinued...",&!!
. D UNL^PSSLOCK(DFN,+ON55_"V")
F ON55=P("NEWON"),P("OLDON") K DA,DIE,DR D
.S DA(1)=DFN,DA=+ON55,DIE="^PS(55,"_DFN_", "IV", " ",DR=$S((ON55=P("NEWON
")&(+ON55'=P("OLDON"))):"113///"_P("OLDON")_" ;122///E",1:"114///"_P("NEWON")
_" ;123///E") D ^DIE
. I ON55=P("NEWON") N CLINAPPT S CLINAPPT=$G(^PS(55,DFN,"IV",+P("OLDON"),"DSS")) D
..S:CLINAPPT DR=DR_" ;136///"_+CLINAPPT S:$P(CLINAPPT,"^",2) DR=DR_" ;13
9///"_P(CLINAPPT,"^",2)
.D ^DIE
.Q:ON55=P("OLDON")&($P($G(^PS(55,DFN,"IV",+P("OLDON"),0)),U,17)'="D")
.D:ON55=P("NEWON") SET55^PSIVORFB
.D:ON55=P("NEWON") VF1^PSJLIAC(""," ",0)
.D ENLBL^PSIVOPT(2,DUZ,DFN,3,+ON55,$S(ON55=P("NEWON"): "N",1:"DE"))
.S PSIVREA="E",PSIVAL="Order "$S(ON55=P("OLDON"): "discontinued",1:"created")_" due to
edit" S:ON55=P("OLDON") PSIVALCK="STOP" D LOG^PSIVORAL
L -^PS(55,DFN,"IV",+P("OLDON")) ;D NEWENT^PSIVORFE
K X S ON55=P("NEWON"),P(17)="A" Q:'PSJIVORF D SET^PSIVORFE
Q
;
NEWSTOP ; Set stop date for DC and renewals.
S ND=$G(^PS(55,DFN,"IV",+ON55,0)),Y=+$P(ND,U,3),$P(^PS(55,DFN,"IV",+P("
OLDON"),2),U,7)=Y,NSTOP=$S(NSTOP>Y:Y,1:NSTOP),$P(^PS(55,DFN,"IV",+ON55,0),U,3)=NSTOP
K DA,DIK S DIK="^PS(55,"_DFN_", "IV", " ",DA(1)=DFN,DA=+P("OLDON") D IX^DIK K DA,DIK
Q
NONVF() ;
NEW PSGOEAV S PSGOEAV=+$P(PSJSYSP0,U,9)
I +PSJSYSU=3,PSGOEAV Q 0
I +PSJSYSU=1,PSGOEAV Q 0
K DA D ENGN^PSGOETO S (ON,P("NEWON"))=DA_"P",P(17)="N"

```

```

S (P("DO"),P("PD"))="
D GTPD^PSIVORE2,PUT531^PSIVORFA
I $P($G(^PS(55,DFN,"IV",+P("OLDON"),0)),U,17)="A" D D1^PSIVOPT2 D
. I PSJIVORF,$P($G(^PS(55,DFN,"IV",+P("OLDON"),0)),U,21) D EN1^PSJHL2(D
FN,"OD",+ON55_"V","ORDER DISCONTINUED")
. S P("21FLG")=" W !!,"Original order discontinued...",&!!
. D UNL^PSSLOCK(DFN,+P("OLDON")_"V")
F ON55=P("NEWON"),P("OLDON") K DA,DIE,DR D
. S DA=+ON55
. S:ON55=P("NEWON") DIE="^PS(53.1,"DR="104////_"P("OLDON")_"";103////E"
. S:ON55=P("OLDON") DA(1)=DFN,DIE="^PS(55,"_DFN_"","IV","",DR="114////"
_P("NEWON")_"";123////E"
. D ^DIE
. Q:ON55=P("OLDON")&($P($G(^PS(55,DFN,"IV",+P("OLDON"),0)),U,17)'="D")
. I ON55=P("OLDON") D
.. D ENLBL^PSIVOPT(2,DUZ,DFN,3,+ON55,$S(ON55=P("NEWON"):"N",1:"DE"))
.. S PSIVALT=" ",PSIVREA="E",PSIVAL="Order discontinued due to edit" S P
SIVALCK="STOP" D LOG^PSIVORAL
. D:ON55=P("NEWON") NEWNVAL^PSGAL5(ON55,4100,"","")
L -^PS(55,DFN,"IV",+P("OLDON"))
K X S (ON,ON55)=P("NEWON")
D EN1^PSJHL2(DFN,"SN",ON,"ORDER CREATED")
S X=$$LS^PSSLOCK(DFN,ON)
D GT531^PSIVORFA(DFN,ON)
I ON["P" N CLINAPPT S CLINAPPT=$G(^PS(55,DFN,"IV",+ON,"DSS")) I CLINAPPT D K DIE,DA,DR
. S:CLINAPPT DR="136////_"_+CLINAPPT_""; S:$P(CLINAPPT,"^",2) DR=DR_"139
////_"_P(CLINAPPT,"^",2)_""; D ^DIE
S VALMBCK="Q"
S PSGACT="EL"
I P(17)="N", (P("OLDON")=""), (P("CLRK")=DUZ) S PSGACT="ELD"
I +PSJSYSU=3!(+PSJSYSU=1) S PSGACT="DELV"
Q 1

U,7

;
Q

```

Modified Logic (Changes are in bold)

6.2.12.1.1.10 PSIVOPT2

Routine Name	PSIVOPT2	
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
SRS Traceability		
Related Options		
Related Routines	Routines "Called By"	Routines "Called"
	SOC+15^PSGOEC D+1^PSIVOPT R+3^PSIVOPT ACCEPT+14^PSIVOPT1 NEWORD+7^PSIVOPT2 NONVF+7^PSIVOPT1 DC+1^PSIVORA DC+2^PSIVORA RUPDATE+22^PSIVOREN SPDCIV+7^PSIVSPDC DC+7^PSJADT0 PRDCHK+16^PSJLMUT1	NOW^%DTC FILE^DICN FILE^DIE ^DIR \$\$REQPROV^PSGOEC AC^PSGOEC ASET^PSGOEC \$\$EXPIRED^PSGOER EXPOE^PSGOER \$\$ENRNAT^PSGOU \$\$PRNOK^PSGS0 ENQ^PSIV ^PSIVCHK

		EDIT^PSIVEDT ^PSIVHLP OC^PSIVOC ENARI^PSIVOPT ENLBL^PSIVOPT HL^PSIVORA LOG^PSIVORAL GTPD^PSIVORE2 NATURE^PSIVOREN ORPARM^PSIVOREN RUPDATE^PSIVOREN 'STIX^PSIVOREN SET55^PSIFORFB ^PSIVORLB \$\$DOW^PSIVUTL GTOT^PSIVUTL ^PSJCOR EN1^PSJHL2 VF1^PSJLIACT ^PSJNEWOC IN^PSJOCDS ENUCTX^PSJOREN EFDIV^PSJUTL \$\$DATE^PSJUTL2 \$\$DATE2^PSJUTL2 \$\$LS^PSSLOCK UNL^PSSLOCK PAUSE^VALM1
Data Dictionary References	^DD("DD" ^PS(51.1 ^PS(53.1 ^PS(55 ^TMP("PSJDAOC" ^TMP("Psodaoc" ^VA(200	
Related Protocols	N/A	
Related Integration Agreements	^PS(55 is supported by DBIA# 2191. ^PSSLOCK is supported by DBIA #2789	
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition		
Output Attribute Name and Definition	Name: Definition:	
Current Logic:		
PSIVOPT2 ;BIR/PR,MLM-OPTION DRIVER (CONT) ;02 Mar 99 / 9:27 AM ;;5.0;INPATIENT MEDICATIONS ;**23,29,58,110,127,133,135,157,181,258,287,293**;16 DEC 97;Build 29 ; ; Reference to ^PS(55 is supported by DBIA# 2191. ; Reference to ^PSSLOCK is supported by DBIA #2789 ; ; Discontinue order. D NATURE^PSIVOREN I '\$D(P("NAT")) W !,\$C(7),"Order Unchanged." S COMQUIT=1 O		

```

; * 8/2* D EN1^PSJHL2(DFN,"OD",+ON55_"V","ORDER DISCONTINUED"),D1
I '$$REQPROV^PSGOEC W !,$C(7),"Order Unchanged." S COMQUIT=1 Q
I 'PSJCOM D
.D D1
.S PSIVALT=1,PSIVALCK="STOP",PSIVREA="D",ON=ON55 D LOG^PSIVORAL S P(3)=
$P($G(^PS(55,DFN,"IV",+ON55,0)),U,3)
I PSJCOM N COMFLG S COMFLG=0 D
.I ON55['P" N COMFLG,O,OO S (COMFLG,O)=0,OO=" F S O=$O(^PS(55,"ACX",PSJCOM,O)) Q:'O
F S OO=$O(^PS(55,"ACX",PSJCOM,O,OO)) Q:OO=" Q:COMFLG D
.. Q:OO=ON55 I '$$LS^PSSLOCK(DFN,OO) S COMFLG=1 Q
I PSJCOM Q:COMFLG N O,OO S O=0,OO=" F S O=$O(^PS(55,"ACX",PSJCOM,O))
Q:'O F S OO=$O(^PS(55,"ACX",PSJCOM,O,OO)) Q:OO=" D
.I OO["V" S ON55=OO D D1 S PSIVALT=1,PSIVALCK="STOP",PSIVREA="D",ON=ON55 D LOG^PSIVORAL
N PSJORD S P(3)=$P($G(^PS(55,DFN,"IV",+ON55,0)),U,3),PSJORD=ON55 D HL^PSIVORA Q
.I OO["U" N PSGORD,PSJORD,PSJNOO K DA D NOW^%DTC S PSGDT=%,T=$E("T",'PSJSYSU),
PSGALR=20,PSGP=DFN,DA=+OO,DA(1)=PSGP,(PSGORD,PSJORD)=OO,PSJNOO=P("NAT") D
.. S CF=$S($P(PSJSYSP0,U,5):1,PSGORD["U":0,1:($P($G(^PS(53.1,+PSGORD,0))
,U,25)="&($P($G(^4),U,7)=DUZ))) D ASET^PSGOEC,AC^PSGOEC
Q
D1 N %,DA,DIE,DIU,STP,NSTOP
S NSTOP=$$DATE^PSJUTL2(),STP=$P($G(^PS(55,DFN,"IV",+ON55,0)),U,3),NSTOP
=+$S(STP>NSTOP:NSTOP,1:STP),P(17)="D"
K TMP
S TMP(55.01,"_"+ON55_"", "_DFN_", "_",109)=NSTOP
S:'$P($G(^PS(55,DFN,"IV",+ON55,2)),U,7) TMP(55.01,"_"+ON55_"", "_DFN_", "_",116)=STP
S TMP(55.01,"_"+ON55_"", "_DFN_", "_",100)="D"
S TMP(55.01,"_"+ON55_"", "_DFN_", "_",157)=" "
S TMP(55.01,"_"+ON55_"", "_DFN_", "_",.03)=NSTOP
S PSIVACT=1
D FILE^DIE("","TMP")
K TMP
I $S($G(PSIVAC)="OD":0,$G(PSIVAC)'="AD":1,$G(PSGALO)<1060:0,1:$P($G(PSJSYSW0),U,15)) S
X=$S($G(PSIVAC)="AD":1,1:2) D ENLBL^PSIVOPT(X,$S(X=1+$G(PSGUOW),1:DUZ),DFN,3,+ON55,$E("AD",1,3-
X))
D:'$D(PSJIVORF) ORPARM^PSIVOREN Q:'PSJIVORF ; * S ORIFN=$P($G(^PS(55,DFN,"IV",+ON55,0))
,U,21) Q:'ORIFN
Q
;
R ; Renew order.
;I PSJCOM D RIV^PSJCOMR Q
I PSJCOM D ^PSJCOMR Q
I P(17)="D",P(12) N ERR D RI W:$G(ERR)=1 $C(7)," Order unchanged." I $G(ERR)<2 S
COMQUIT=1 Q
I $G(PSGORQF) S COMQUIT=1 Q
;PSJOCFLG is killed of after the OC is performed. The Dosing is still need to
trigger(again) if the
; user said "no" at OK prompt and a new stop date is entered.
NEW PSJOCFLG S PSJOCFLG=1
;
R1 ;
I $$EXPIRED^PSGOER(DFN,ON55) D Q
.W !?3," THIS ORDER HAS BEEN INACTIVE FOR ONE OR MORE SCHEDULED ADMINISTRATIONS"
.W !?20," AND CANNOT BE RENEWED!"
;*287 - Prevent renewal if schedule invalid
I $G(P(9))]"", '$$DOW^PSIVUTL(P(9)),'$$PRNOK^PSGS0(P(9)) I '$D(^PS(51.1,
"AC","PSJ",P(9))) D Q
.W !?3,"This order contains an invalid schedule and CANNOT be renewed!" D PAUSE^VALM1
I '$G(PSGDT) D NOW^%DTC S PSGDT=+$E(%,1,12) ;*258 - Set PSGDT
N PSJRNWDT,PSJOSTOP,OREASON S PSJRNWDT=$$DATE2^PSJUTL2(PSGDT) S:$G(ON55)
PSJOSTOP=$P($G(^PS(55,DFN,"IV",+ON55,0)),U,3) I '(PSJOSTOP>P(2)),$G(PSGDT) S PSJOSTOP=PSGDT
S (PSIVOK,EDIT)="25^1" S P2=P(2),P(2)=PSJRNWDT D EDIT^PSIVEDT S P(2)=P2 K P2 I X="^" Q
NEW PSGORQF K PSGORQF S PSIVRNFG=1 D:$G(PSJOCFLG) OC^PSIVOC K PSJOCFLG
D:'$G(PSGORQF) IN^PSJOCDS($G(ON55),"IV",") K PSIVRNFG W !
I $G(PSGORQF) W !,"No Changes Made To This Order." D PAUSE^VALM1 Q
;Q:$G(PSGORQF)
S P(11)=$$ENRNAT^PSGOU($P($G(^PS(55,DFN,"IV",+ON55,2)),U,10),+VAIN(4),P(9),P(11))
D OK G:X["N" R1 I X=U D RD Q
S PSIVCHG=2
S P(17)="A",OREASON=P("RES"),P("RES")="R",P("FRES")="" D:'$D(PSJIVORF)
ORPARM^PSIVOREN I PSJIVORF D Q:'$D(P("NAT"))
.D NATURE^PSIVOREN I '$D(P("NAT")) D RD Q

```



```

.S ON=ON55
S P(16)=" ",PSJORIFN=" ",PSIVACT=1,P("21FLG")=" ",P("RES")=OREASON D SET55^PSIVORFB
D:$P(^PS(55,DFN,"IV",+ON55,0),U,17)="A" RUPDATE^PSIVOREN(DFN,ON55,P(2))
I PSJIVORF,$P(^PS(55,DFN,"IV",+ON55,0),U,17)="A" S X=$$LS^PSSLOCK(DFN,+ON55_"V") D
.D EXPOE^PSGOER(DFN,ON55)
.S P("RES")="R",PSJREN=1
.D ENUDTX^PSJOREN(DFN,ON55,"NR"),EN1^PSJHL2(DFN,"SN",+ON55_"V","ORDER
RENEWED"),UPDREN(DFN,ON55,PSJRNWDT,P(6),PSJOSTOP,P("NAT"))
S OD=P(2)
D VF1^PSJLIACT(" ",",",1),UNL^PSSLOCK(DFN,+ON55_"V")
D ENLBL^PSIVOPT(2,DUZ,DFN,3,+ON55,"R")
I $G(PSJOSTOP),$G(ON55),$G(DFN) D STIX^PSIVOREN(PSJOSTOP,ON55,DFN)
D ^PSJNEWOC ;psj*5*293 stores order checks
K ^TMP("PSODAC",$J),^TMP("PSJDAOC",$J)
Q
;
RD ; Delete for renew.
;Q:'$G(PSJVFY)
;D DEL55^PSIVORE2 S (ON55,P("OLDON"))=P("PON") D GT55^PSIVORFB
Q
;
OK ;Print example label, run order through checker, ask if it is ok.
S Pl6=0,PSIVEXAM=1,(PSIVNOL,PSIVCT)=1 D GTOT^PSIVUTL(P(4)) I ($G(P("PD"))="") D
GTPD^PSIVORE2
D ^PSIVCHK I $D(DUOUT) S X="^",COMQUIT=1 Q
I ERR=1 S X="N",COMQUIT=1 Q
W ! D ^PSIVORLB K PSIVEXAM S Y=P(2) W !,"Start date: " X ^DD("DD") W $P
(Y,"@"),",",,$P(Y,"@",2),?30," Stop date: " S Y=P(3) X ^DD("DD")W $P(Y,"@"),",",,$P(Y,"@",2),!
;PSJ*5*157 EFD FOR IV
D EFDIV^PSJUTL($G(ZZND))
I $G(PSIVCHG),($G(PSIVREA)'="R") W !,"*** This change will cause a new order to be
created. ***"
S X="Is this O.K.: ^_$_S(ERR:"N",1:"Y")_""^NO$_S(ERR'=1:"YES",1:"") D ENQ^PSIV I
X["?" S HELP="OK" D ^PSIVHLP G OK
Q
;
RI ; Reinstate Auto-DC'ed order.
N DA,DIE,DIR,DIU,DR,PSIVACT,PSIVALT,PSIVALCK,PSIVREA W !,$C(7),"This order has been
Auto-DC'ed."
S DIR(0)="Y",DIR("A")="Reinstate this order" D ^DIR K DIR I 'Y S ERR=1 Q
D NOW^%DTC I %>$P($G(^PS(55,DFN,"IV",+ON55,2)),U,7) D
.K DIR S ERR=1,DIR(0)="Y",DIR("A",1)="The original stop date of this order has
past.",DIR("A")="Do you wish to renew this order" D ^DIR K DIR S ERR=$S(Y:2,1:1)
Q:$G(ERR) S X=$G(^VA(200,+P(6),"PS")) I $S('X:1,$P(X,U,4):0,DT<$P(X,U,4):0,1:1) S
ERR=1
I $G(ERR) W !,$C(7),"This order's provider is no longer valid. Please enter a valid
provider." S (EDIT,PSIVOK)=1 D EDIT^PSIVEDT I $G(DONE) W $C(7),"Order unchanged." S ERR=1 Q
N PSGALO S PSGALO=18530 D ENARI^PSIVOPT(DFN,ON,DUZ,PSGALO)
Q
;
UPDREN(DFN,ORD,RNWDT,PROV,OSTOPDT,PSJNOO) ;
Q:'DFN!'ORD!'RNWDT!'PROV!'OSTOPDT!(PSJNOO="")
;*PSJ*5*258
N DR,DA,DIC,DIE,DD,DO,ND0,PSGOEORD,DINUM
S DIC="^PS(55,"_DFN_",",IV",",_+ORD S ND0=$G(@ (DIC_",0))",PSGOEORD=$P(ND0,"^",21) I
$G(ON)["P",$G(PSGOLDOE) S PSGOEORD=PSGOLDOE
S DIC=DIC_",14,",DIC(0)="L",DIC("P")="55.1138DA",ND14=$G(@ (DIC_"0"))),D
INUM=$P(ND14,"^",3)+1,DA(2)=DFN,DA(1)=+ORD D
.S DIC("DR")=".01////_"$G(RNWDT)_";1////_"$G(DUZ)_";2////_"$G(PROV)_";3
////_"$G(OSTOPDT)_";4////_"_+PSGOEORD,X=$G(RNWDT) D FILE^DICN
Q

CDEVISC1A2:MBOX>D ^%CD

Namespace: ERP
You're in namespace ERP
Default directory is _$1$DGA54:[CDEVISCSVR.ERP] on a system CDEVISCSVR
CDEVISC1A2:ERP>ZL PSIVOPT2

CDEVISC1A2:ERP>ZP

```

```

PSIVOPT2 ;BIR/PR,MLM-OPTION DRIVER (CONT) ;02 Mar 99 / 9:27 AM
; ;5.0;INPATIENT MEDICATIONS ;**23,29,58,110,127,133,135,157,181,258,287**;16 DEC
97;Build 1
;
; Reference to ^PS(55 is supported by DBIA# 2191.
; Reference to ^PSSLOCK is supported by DBIA #2789
;
D ; Discontinue order.
D NATURE^PSIVOREN I '$D(P("NAT")) W !,$C(7),"Order Unchanged." S COMQUIT=1 Q
;* 8/2* D EN1^PSJHL2(DFN,"OD",+ON55_"V","ORDER DISCONTINUED"),D1
I '$$REQPROV^PSGOEC W !,$C(7),"Order Unchanged." S COMQUIT=1 Q
I 'PSJCOM D
.D D1
.S PSIVALT=1,PSIVALCK="STOP",PSIVREA="D",ON=ON55 D LOG^PSIVORAL S P(3)=
$P($G(^PS(55,DFN,"IV",+ON55,0)),U,3)
I PSJCOM N COMFLG S COMFLG=0 D
.I ON55['P" N COMFLG,O,OO S (COMFLG,O)=0,OO="" F S O=$O(^PS(55,"ACX",PSJCOM,O)) Q:'O
F S OO=$O(^PS(55,"ACX",PSJCOM,O,OO)) Q:OO="" Q:COMFLG D
.. Q:OO=ON55 I '$$LS^PSSLOCK(DFN,OO) S COMFLG=1 Q
I PSJCOM Q:COMFLG N O,OO S O=0,OO="" F S O=$O(^PS(55,"ACX",PSJCOM,O))
Q:'O F S OO=$O(^PS(55,"ACX",PSJCOM,O,OO)) Q:OO="" D
.I OO["V" S ON55=OO D D1 S PSIVALT=1,PSIVALCK="STOP",PSIVREA="D",ON=ON55 D LOG^PSIVORAL
N PSJORD S P(3)=$P($G(^PS(55,DFN,"IV",+ON55,0)),U,3),PSJORD=ON55 D HL^PSIVORA Q
.I OO["U" N PSGORD,PSJORD,PSJNOO K DA D NOW^%DTC S PSGDT=%,T=$E("T",'PS
JSYSU),PSGALR=20,PSGP=DFN,DA=+OO,DA(1)=PSGP,(PSGORD,PSJORD)=OO,PSJNOO=P("NAT") D
.. S CF=$S($P(PSJSYSP0,U,5):1,PSGORD["U":0,1:($P($G(^PS(53.1,+PSGORD,0))
,U,25)="$&($P($G(^4)),U,7)=DUZ))) D ASET^PSGOEC,AC^PSGOEC
Q
D1 N %,DA,DIE,DIU,STP,NSTOP
S NSTOP=$$DATE^PSJUTL2(),STP=$P($G(^PS(55,DFN,"IV",+ON55,0)),U,3),NSTOP
=+$S(STP>NSTOP:NSTOP,1:STP),P(17)="D"
K TMP
S TMP(55.01,""+ON55_"", "_DFN_", "_",109)=NSTOP
S: '$P($G(^PS(55,DFN,"IV",+ON55,2)),U,7) TMP(55.01,""+ON55_"", "_DFN_", "_",116)=STP
S TMP(55.01,""+ON55_"", "_DFN_", "_",100)="D"
S TMP(55.01,""+ON55_"", "_DFN_", "_",157)=""
S TMP(55.01,""+ON55_"", "_DFN_", "_",.03)=NSTOP
S PSIVACT=1
D FILE^DIE("", "TMP")
K TMP
I $$($G(PSIVAC)="OD":0,$G(PSIVAC)="AD":1,$G(PSGALO)<1060:0,1:$P($G(PSJ
SYSW0),U,15)) S X=$S($G(PSIVAC)="AD":1,1:2) D ENLBL^PSIVOPT(X,$S(X=1+$G(PSGUOW)
,1:DUZ),DFN,3,+ON55,$E("AD",1,3-X))
D: '$D(PSJIVORF) ORPARM^PSIVOREN Q:'PSJIVORF ;* S ORIFN=$P($G(^PS(55,DF
N,"IV",+ON55,0)),U,21) Q:'ORIFN
Q
;
R ; Renew order.
;I PSJCOM D RIV^PSJCOMR Q
I PSJCOM D ^PSJCOMR Q
I P(17)="D",P(12) N ERR D RI W:$G(ERR)=1 $C(7)," Order unchanged." I $G(ERR)<2 S
COMQUIT=1 Q
I $G(PSGORQF) S COMQUIT=1 Q
;PSJOCFLG is killed of after the OC is performed. The Dosing is still need to
trigger(again) if the
; user said "no" at OK prompt and a new stop date is entered.
NEW PSJOCFLG S PSJOCFLG=1
;
R1 ;
I $$EXPIRED^PSGOER(DFN,ON55) D Q
.W !?3," THIS ORDER HAS BEEN INACTIVE FOR ONE OR MORE SCHEDULED ADMINISTRATIONS"
.W !?20," AND CANNOT BE RENEWED!"
;*287 - Prevent renewal if schedule invalid
I $G(P(9))]"", '$$DOW^PSIVUTL(P(9)),'$$PRNOK^PSGS0(P(9)) I '$D(^PS(51.1,
"AC","PSJ",P(9))) D Q
.W !?3,"This order contains an invalid schedule and CANNOT be renewed!" D PAUSE^VALM1
I '$G(PSGDT) D NOW^%DTC S PSGDT=+$E(%1,12) ;*258 - Set PSGDT
N PSJRNWDT,PSJOSTOP,OREASON S PSJRNWDT=$$DATE2^PSJUTL2(PSGDT) S:$G(ON55)
PSJOSTOP=$P($G(^PS(55,DFN,"IV",+ON55,0)),U,3) I '(PSJOSTOP>P(2)), $G(PSGDT) S PSJOSTOP=PSGDT
S (PSIVOK,EDIT)="25^1" S P2=P(2),P(2)=PSJRNWDT D EDIT^PSIVEDT S P(2)=P2 K P2 I X="^" Q
NEW PSGORQF K PSGORQF S PSIVRNFG=1 D:$G(PSJOCFLG) OC^PSIVOC K PSJOCFLG D:'$G(PSGORQF)

```

<pre> IN^PSJOCDS(\$G(ON55),"IV","") K PSIVRNFG W ! Q:\$G(PSGORQF) S P(11)=\$\$ENRNAT^PSGOU(\$P(\$G(^PS(55,DFN,"IV",+ON55,2)),U,10),+VAIN(4),P(9),P(11)) D OK G:X["N" R1 I X=U D RD Q S PSIVCHG=2 S P(17)="A",OREASON=P("RES"),P("RES")="R",P("FRES")="" D:'\$D(PSJIVORF) ORPARM^PSIVOREN I PSJIVORF D Q:'\$D(P("NAT")) .D NATURE^PSIVOREN I '\$D(P("NAT")) D RD Q .S ON=ON55 S P(16)="",PSJORIFN="",PSIVACT=1,P("21FLG")="",P("RES")=OREASON D SET55^PSIVORFB D:\$P(^PS(55,DFN,"IV",+ON55,0),U,17)="A" RUPDATE^PSIVOREN(DFN,ON55,P(2)) I PSJIVORF,\$P(^PS(55,DFN,"IV",+ON55,0),U,17)!="A" S X=\$\$LS^PSSLOCK(DFN,+ON55_"V") D .D EXPOE^PSGOER(DFN,ON55) .S P("RES")="R",PSJREN=1 .D ENUDTX^PSJOREN(DFN,ON55,"NR"),EN1^PSJHL2(DFN,"SN",+ON55_"V","ORDER RENEWED"),UPDREN(DFN,ON55,PSJRNWDT,P(6),PSJOSTOP,P("NAT")) S OD=P(2) D VF1^PSJLIACT(""," ",1),UNL^PSSLOCK(DFN,+ON55_"V") D ENLBL^PSIVOPT(2,DUZ,DFN,3,+ON55,"R") I \$G(PSJOSTOP),\$G(ON55),\$G(DFN) D STIX^PSIVOREN(PSJOSTOP,ON55,DFN) Q ; RD ; Delete for renew. ;Q:'\$G(PSJVFY) ;D DEL55^PSIVORE2 S (ON55,P("OLDON"))=P("PON") D GT55^PSIVORFB Q ; OK ;Print example label, run order through checker, ask if it is ok. S P16=0,PSIVEXAM=1,(PSIVNOL,PSIVCT)=1 D GTOT^PSIVUTL(P(4)) I (\$G(P("PD"))="") D GTPD^PSIVORE2 D ^PSIVCHK I \$D(DUOUT) S X="^",COMQUIT=1 Q I ERR=1 S X="N",COMQUIT=1 Q W ! D ^PSIVORLB K PSIVEXAM S Y=P(2) W !,"Start date: " X ^DD("DD") W \$P (Y,"@")," ",\$P(Y,"@",2),?30," Stop date: " S Y=P(3) X ^DD("DD") W \$P(Y,"@")," ",\$P(Y,"@",2),! ;PSJ*5*157 EFD FOR IV D EFDIV^PSJUTL(\$G(ZZND)) I \$G(PSIVCHG),(\$G(PSIVREA)'="R") W !,"*** This change will cause a new order to be created. ***" S X="Is this O.K.: ^_\$_S(ERR:"N",1:"Y")_""^NO_\$_S(ERR'=1:"YES",1:"") D ENQ^PSIV I X["?" S HELP="OK" D ^PSIVHLP G OK Q ; RI ; Reinstate Auto-DC'ed order. N DA,DIE,DIR,DIU,DR,PSIVACT,PSIVALT,PSIVALCK,PSIVREA W !,\$C(7),"This order has been Auto-DC'ed." S DIR(0)="Y",DIR("A")="Reinstate this order" D ^DIR K DIR I 'Y S ERR=1 Q D NOW^%DTC I %>\$P(\$G(^PS(55,DFN,"IV",+ON55,2)),U,7) D .K DIR S ERR=1,DIR(0)="Y",DIR("A",1)="The original stop date of this order has past.",DIR("A")="Do you wish to renew this order" D ^DIR K DIR S ERR=\$S(Y:2,1:1) Q:\$G(ERR) S X=\$G(^VA(200,+P(6),"PS")) I \$S('X:1,\$P(X,U,4):0,DT<\$P(X,U,4):0,1:1) S ERR=1 I \$G(ERR) W !,\$C(7),"This order's provider is no longer valid. Please enter a valid provider." S (EDIT,PSIVOK)=1 D EDIT^PSIVEDT I \$G(DONE) W \$C(7),"Order unchanged." S ERR=1 Q N PSGALO S PSGALO=18530 D ENARI^PSIVOPT(DFN,ON,DUZ,PSGALO) Q ; UPDREN(DFN,ORD,RNWDT,PROV,OSTOPDT,PSJNOO) ; Q:'DFN!'ORD!'RNWDT!'PROV!'OSTOPDT!(PSJNOO="") ;*PSJ*5*258 N DR,DA,DIC,DIE,DD,DO,ND0,PSGOEORD,DINUM S DIC="^PS(55,"_DFN_",_"IV_",_"_+ORD S ND0=\$G(@ (DIC_",0))",PSGOEORD=\$P(ND0,"^",21) I \$G(ON){ "P", \$G(PSGOLDOE) S PSGOEORD=PSGOLDOE S DIC=DIC_",14," ,DIC(0)="L",DIC("P")="55.1138DA",ND14=\$G(@ (DIC_"0"))),D INUM=\$P(ND14,"^",3)+1,DA(2)=DFN,DA(1)=+ORD D .S DIC("DR")=".01////////_\$_G(RNWDT)_" ;1////////_\$_G(DUZ)_" ;2////////_\$_G(PROV)_" ;3 ////////_\$_G(OSTOPDT)_" ;4////////_+PSGOEORD,X=\$G(RNWDT) D FILE^DICN Q </pre>	Modified Logic (Changes are in bold)
New Routine	

6.2.12.1.1.11 PSIVORC2

Routine Name	PSIVORC2	
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
SRS Traceability	CCR6596	
Related Options		
Related Routines	Routines “Called By”	Routines “Called”
	IT^PSIVEDRG 1^PSIV EDT 3^PSIV EDT A10^PSIV EDT1 125^PSIV EDT1 26^PSIV EDT1 59^PSIV EDT1 SELECT^PSIVORC NEWORD^PSIVORC2 NWNONVF^PSIVORC2 EDIT^PSIVORC2 FINISH^PSIVORC2 NEW^PSIVORE2 59^PSIVUTL 59^PSIVUTL1 A25V2^PSJC LOR4 59^PSJDDUT3 ACCEPT^PSJLI ACT FINISH^PSJLIFN IV^PSJLIFNI	^%DT NOW^%DTC FIND^DIC LIST^DIC EN1^ORCFLAG NEWNVAL^PSGAL5 ENGNN^PSGOETO ENSTOP^PSIVCAL ENT^PSIVCAL EDIT^PSIV EDT ENLBL^PSIVOPT DC^PSIVORA 53^PSIVORC1 CKFLDS^PSIVORC1 COMPLTE^PSIVORC1 EN^PSIVORE GSTRING^PSIVORE1 DEL55^PSIVORE2 GTPD^PSIVORE2 NATURE^PSIVOREN ORPARM^PSIVOREN RUPDATE^PSIVOREN GT531^PSIVORFA PUT531^PSIVORFA UPD100^PSIVORFA SETNEW^PSIVORFB GTFLDS^PSIVORFE ^PSIVORV2 \$\$GETOPI^PSJBCMA5 FILEOPI^PSJBCMA5 MVOPI^PSJBCMA5 MVOPIAL^PSJBCMA5 IV^PSJCOMV VFYIV^PSJCOMV EN1^PSJHL2 CIMOI^PSJIMO1 VF1^PSJLI ACT \$\$COMPARE^PSJMISC TMPDRG1^PSJMISC \$\$ENPC^PSJUTL \$\$LS^PSSLOCK EN^VALM

Data Dictionary References	^PS(51.2 ^PS(53.1 ^PS(53.45 ^PS(55
Related Protocols	
Related Integration Agreements	^DD("DD" is supported by DBIA 10017. ^DD(is supported by DBIA 2255. ^VA(200 is supported by DBIA 10060. ^%DT is supported by DBIA 10003. ^%DTC is supported by DBIA 10000. ^DID is supported by DBIA 2052. ^VALM is supported by DBIA 10118. ^PS(51.1 supported by DBIA #2177. ^PS(55 is supported by DBIA# 2191.
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local
Input Attribute Name and Definition	Modified Logic (Changes are in bold)
Output Attribute Name and Definition	New Routine
Current Logic:	
<pre> PSIVORC2 ;BIR/MLM-PROCESS INCOMPLETE IV ORDER - CONT ;22 OCT 97 / 3:16 PM ;:5.0;INPATIENT MEDICATIONS;**29,49,50,65,58,85,101,110,127,151,181,267,275,257,296**; 16 DEC 97;Build 88 ; ; Reference to ^ORD(101 is supported by DBIA #872 ; Reference to ^PS(51.2 is supported by DBIA #2178 ; Reference to ^PS(55 is supported by DBIA #2191 ; Reference to ^PS(52.6 is supported by DBIA #1231. ; Reference to ^PS(52.7 is supported by DBIA #2173. ; Reference to EN1^ORCFLAG is supported by DBIA #3620. ; Reference to ^PSSLOCK is supported by DBIA #2789 ; EDCHK ;Update or create new order in 55. D CKORD D:'\$G(P\$JIVORF) ORPARM^PSIVOREN I 'PSJIVORF W !,"Either the Inpatient Medications or the IV Medications package is not on, please check the Order Parameters file" Q I PSIVCHG,PSJIVORF D NATURE^PSIVOREN I '\$D(P("NAT")) W \$C(7),"Order unchanged" Q S:PSIVCHG P("21FLG")="" I \$G(PSJCOM) D IV^PSJCOMV Q Q:\$NONVF() ACTIVE ; S PSJCOM=P("PRNTON") I PSJCOM D VFYIV^PSJCOMV Q S P("RES")=\$P(\$G(^PS(53.1,+ON,0)),U,24) I P("RES")="R" S P("NEWON")=P("OLDON") S PSJSTOP="" D .N PSJTROI,PSJNVO S PSJNVO=\$G(P("NEWON")) I (PSJNVO["P"]) D FILEOPI^PSJ BCMA5(DFN,PSJNVO) S PSJTROI=\$\$GETOPI^PSJBCMA5(DFN,PSJNVO) Q .I (\$G(P("PON"))["P"],(\$G(ON55)=P("PON"))) S PSJNVO=P("PON") D FILEOPI^P SJBCMA5(DFN,PSJNVO) S PSJTROI=\$\$GETOPI^PSJBCMA5(DFN,PSJNVO) .I \$G(P("NEWON")) D FILEOPI^PSJBCMA5(DFN,P("NEWON")) S PSJTROI=\$\$GETOP I^PSJBCMA5(DFN,P("NEWON")) .D RUPDATE^PSIVOREN(DFN,ON,P(2)) I \$P(\$G(^PS(53.45,\$G(PSJSYSP),6,0)),^",3) I P("RES")="R" S PSJORD=ON,P(17)="A",ORSTS=6,PSJORN=P(6) D SETNEW^PSIVORFB S P("NEWON")=ON55 D @\$S(PSIVCHG:"NEWORD",1:"OLDORD") I \$G(PSJIOPIV) D MVOPI^PSJBCMA5(\$G(DFN),\$G(PSJORD),\$G(ON55)),MVOPIAL^PS JBCMA5(\$G(DFN),\$G(PSJORD),\$G(ON55)) S (ON55,ON)=P("NEWON"),OD=P(2) D EN^PSIVORE D CIMOI^PSJIMO1(DFN,ON55,"",\$G(PSJORD)) D VF1^PSJLIAC("F","ORDER VERIFIED BY ",1) D ENLBL^PSIVOPT(2,DUZ,DFN,3,+ON55,"N") </pre>	

```

I $G(^PS(55,DFN,"IV",+ON55,4)) D EN1^PSJHL2(DFN,"ZV",ON55)
L -^PS(53.1,+G(PSJORD)) L -^PS(55,DFN,"IV",+ON55)
Q
;
CKORD ;Check if new order is to be created.
I $G(PSIVCOPY) S PSIVCHG=0 Q
N ND,PSJCHG S PSIVCHG=0,ND(0)=$G(^PS(53.1,+ON,0)),ND("PD")=$G(^PS(53.1,
+ON,.2))_U_$P(ND(0),U,3)
N X S X=$P($G(^PS(53.1,+ON,8)),U,5),X=$S(P(8)["@":$P(X,"@"),1:X)
;S ND=$S($E(P("OT"))="I":P(8)_U_$P(ND(0),U,3)_U_+$P(ND("PD"),U),1:X_U_+
$P(ND(0),U,3))_U_+P("PD"))
S ND=$S($E(P("OT"))="I":P(8),1:X)_U_+$P(ND(0),U,3)_U_+$P(ND("PD"),U)
S ND=ND_U_$S($P(ND(0),U,2)=+P("CLRK")+P(ND(0),U,2),1:+P(6))
I ND'=(S($E(P("OT"))="I":P(8),P(8)["@":$P(P(8),"@"),1:P(8))_U_+P("MR")
_U_+P("PD"))_U_+P(6)) S PSIVCHG=1
I 'PSIVCHG I $P($G(^PS(53.1,+ON,2)),U)'=P(9) S:($G(P("DTYP"))'=1) PSIVDSFG=1 S
PSIVCHG=1
N ND,TDRG,TMPDRG
Q:PSIVCHG
D TMPDRG1^PSJMISC(DFN,$G(ON),.TMPDRG)
I $$COMPARE^PSJMISC(.DRG,.TMPDRG,$S(P("DTYP")=1:0,1:1)) S PSIVCHG=1
K TMPDRG
Q:PSIVCHG
Q
;
CKPC ;
;PSJ*5*181 Note - No longer use by *181
;
Q:PSIVCHG I $E(P("OT"))'="I" D
.;
.; Check IV drugs for changes.
.S DNE=0 F DRGT="AD","SOL" I $D(DRG(DRGT)) S FIL="52."_$S(DRGT="AD":6,1:7) D
.N ND,TDRG F DRGI=0:0 S DRGI=$O(DRG(DRGT,DRGI)) Q:'DRGI!DNE S TDRG(+G
P(DRG(DRGT,DRGI),U),DRGI)=DRGI,TDRG("CNT")=+$G(TDRG("CNT"))+1
.F ON1=0:0 S ON1=$O(^PS(53.1,+ON,DRGT,ON1)) Q:'ON1!DNE S ND=$G(^PS(5
3.1,+ON,DRGT,ON1,0)),ND("CNT")=$G(ND("CNT"))+1 D
..S DRG=+$P(ND,U) S:$D(TDRG(+DRG)) (DNE,PSIVCHG)=1 F DRGI=0:0 S DRGI=
$O(TDRG(+DRG,DRGI)) Q:'DRGI!DNE I $P($G(DRG(DRGT,DRGI)),U)_U_$P($G(DRG(DRGT,DRG
I)),U,3)'=$P(ND,U,1,2) S (DNE,PSIVCHG)=1
..S:$G(ND("CNT"))'=$G(TDRG("CNT")) (DNE,PSIVCHG)=1 K ND,TDRG
Q
;
OLDORD ; Update old order, update order links.
Q:P("RES")="R"
S P("OLDON")=$P($G(^PS(53.1,+ON,0)),U,25) I P("OLDON")'=ON55 S $P(^PS(5
5,DFN,"IV",+ON55,2),U,8)=P("RES"),$P(^2,U,5)=P("OLDON") I P("OLDON") D
.I P("OLDON")["V",$D(^PS(55,DFN,"IV",+P("OLDON"),0)) S $P(^2,U,6)=ON5
5,$P(^2,U,9)=P("RES")
.I P("OLDON")["A",$D(^PS(55,DFN,5,+P("OLDON"),0)) S $P(^0,U,26,27)=ON55_U_P("RES")
.I $S(P("OLDON")["P":1,P("OLDON")["N":1,1:0],$D(^PS(53.1,+P("OLDON"),0)) S
$P(^0,U,26,27)=ON55_U_P("RES")
D PUT531^PSIVORFA S $P(^PS(53.1,+ON,0),U,25,26)="^",ON=ON55 D UPD100^PSIVORFA
Q
;
NEWORD ; Create new order, update order links.
Q:P("RES")="R"
S $P(^PS(53.1,+ON,0),U,26,27)=P("NEWON")_U_"E",PSIVAC="CE",PSJORNAT=P("NAT") D
DC^PSIVORA
S P("NEWON")=$P($G(^PS(53.1,+PSJORD,0)),U,26),$P(^PS(55,DFN,"IV",+P("NEWON"),2),U,5)=
PSJORD,$P(^2,U,8)="E",ON=ON55
I PSJIVORF D EN1^PSJHL2(DFN,"SN",+ON55_"V","NEW ORDER CREATED")
Q
;
GTIVDRG ; Try to find an IV drug from the Orderable Item.
; If there is only 1 match to OI then stuff in DRG otherwise prompt user to select
which
; ad/sol matched to OI
K PSIVOI NEW FIL,ND,SCR,PSJNOW
D NOW^%DTC S PSJNOW=%
S SCR("S")=$S ND=$P($G(^("I")),U) I ND=""! (ND>PSJNOW)"
F FIL=52.6,52.7 D FIND^DIC(FIL,"@:01;2","QXP",+P("PD"),,"AOI",SCR("S"),,"PSIVOI") I
+PSIVOI("DILIST",0)>0 D Q

```

```

. S DRGT=$S(FIL=52.6:"AD",1:"SOL"),PSIVOI=DRGT
. I PSIVOI="AD" D
.. N XX,XXX,QC S XX=0 F S XX=$O(PSIVOI("DILIST",XX)) Q:XX="" S XXX=+P
SIVOI("DILIST",XX,0) D LIST^DIC(52.61,"","_XXX_",", "@;.01","PQ",,,,,,"PSIVQC") D
... I +$G(PSIVQC("DILIST",0))>0 S QC=0 F S QC=$O(PSIVQC("DILIST",QC))
Q:QC="" S PSIVOI("DILIST",XX,QC,0)=PSIVQC("DILIST",QC,0)
... K PSIVQC("DILIST",0),PSIVQC("DILIST",0,"MAP")
.. D RESET
. I +PSIVOI("DILIST",0)=1 D
.. S DRG=+PSIVOI("DILIST",1,0)
.. S DNE=1,DRG(DRGT,0)=1,ND=$G(^PS(FIL,+DRG,0)),DRG(DRGT,1)=+DRG_U_$P(N
D,U)_U_$S(FIL=52.7:$P(ND,U,3),1:"")_U_U_$P(ND,U,13)_U_$P(ND,U,11)
K:+PSIVOI("DILIST",0)<2 PSIVOI
Q
;
EDIT ; Edit incomplete order
K PSIVENO
S PSIVAC="CE"
I $E(P("OT"))="I",('$D(DRG("AD")),('$D(DRG("SOL")))) D GTIVDRG
P(4)=" D 53^PSIVORC1 Q:P(4)=" D ^PSIVORV2
D GSTRING^PSIVORE1,GTFLDS^PSIVORFE ;S (PSIVOK,EDIT)="57^58^59^3"_$S(P("
DTYP")=1:"^26^39",1:"")_"^63^64^"_$S($E(P("OT"))="I":"101^109^",1:"")_"10^25"_$S
(+P(6)="+P("CLRK"):"^1",1:"") D GTFLDS^PSIVORFE
Q:$G(DONE)
I '$G(PSIVENO) S PSIVENO=1 D EN^VALM("PSJ LM IV AC/EDIT") S VALMBCK="Q"
Q
;
FINISH ; Ask only for missing data in incomplete IV order.
S P("OPI")=$ENPC^PSJUTL("V",+PSIVUP,60,P("OPI")) I $E(P("OT"))="I",('$D
(DRG("AD")),('$D(DRG("SOL")))) S DNE=0 D GTIVDRG
D:P(4)=" 53^PSIVORC1 Q:P(4)=" S P("DTYP")=$S(P(4)="":0,P(4)="P"!(P(2
3)="P"!) (P(5):1,P(4)="H":2,1:3)
I 'P(2) D ENT^PSIVCAL K %DT S X=P(2),%DT="RTX" D ^%DT S P(2)=+Y
I 'P(3) D ENSTOP^PSIVCAL K %DT S X=P(3),%DT="RTX" D ^%DT S P(3)=+Y
I 'P("MR") S P("MR")=$O(^PS(51.2,"B","INTRAVENOUS",0))_"^IV"
S PSIVOK="1^3^10^25^26^39^57^58^59^63^64" D CKFLDS^PSIVORC1 D:EDIT]" EDIT^PSIVEDT G
COMPLTE^PSIVORC1
Q
NONVF() ; Updated 53.1 status to non-verified after finish.
NEW PSGOEAV S PSGOEAV=+$P(PSJSYSP0,U,9)
I +PSJSYSU=3,PSGOEAV Q 0
I +PSJSYSU=1,PSGOEAV Q 0
I PSIVCHG D NWNONVF Q 1
S P(17)="N",P("REN")=0
D GTPD^PSIVORE2
W !,"...transcribing this non-verified order...."
S $P(^PS(53.1,+ON,.2),U)="
D PUT531^PSIVORFA
D NEWNVAL^PSGAL5(ON,$S(+PSJSYSU=1:22000,+PSJSYSU=3:22005,1:22006),"","")
I ($G(PSJINFIN)=2) D NEWNVAL^PSGAL5(ON,6000,"OTHER PRINT INFO")
NEW PSIVORFA S PSIVORFA=1 D:ON["V" DEL55^PSIVORE2
D EN1^PSJHL2(DFN,"XX",ON,"UPDATED ORDER")
D VF
Q 1
NWNONVF ;Create non-verified due to edit
K DA D ENGNN^PSGOETO S P("NEWON")=DA_"P",P(17)="N",P("REN")=0
I $D(^PS(53.45,PSJSYSP,6,1)) D FILEOPI^PSJBCMA5(DFN,P("NEWON"))
S PSJORD=ON,$P(^PS(53.1,+ON,0),U,26,27)=P("NEWON")_U_"E",PSIVAC="CE",PSJORNAT=P("NAT")
D DC^PSIVORA
S P("OLDON")=ON,ON=P("NEWON")
I $D(^PS(53.1,+P("OLDON"),12)) M ^PS(53.1,+P("NEWON"),12)=^PS(53.1,+P("OLDON"),12)
S P("RES")="E"
S P("DO")="" D GTPD^PSIVORE2 ;Get dosage order if not defined for IPM I
V
D PUT531^PSIVORFA
S $P(^PS(53.1,+ON,0),U,25,26)=P("OLDON")_U_"
D NEWNVAL^PSGAL5(ON,$S(+PSJSYSU=1:22000,+PSJSYSU=3:22005,1:22006),"","")
D EN1^PSJHL2(DFN,"SN",ON,"SEND ORDER NUMBER")
S:$D(PSGP)#10 PSJNOL=$$LS^PSSLOCK(PSGP,ON)
D VF
Q

```

VF	<pre> ; Display Verify screen Q:ON["P" K PSJIVBD D GT531^PSIVORFA(DFN,ON) S PSGACT="EL" I P(17)="N", (P("OLDON")=""), (+P("CLRK")=DUZ) S PSGACT="ELD" I +PSJSYSU=3! (+PSJSYSU=1) S PSGACT="DELV" I +PSJSYSU=3, \$L(\$T(EN1^ORCFLAG)) S PSGACT=PSGACT_"G" I P("OT")="I" S PSJSTAR="(1)^(5)^(7)^(9)^(10)" I P("OT")'="I" S PSJSTAR="(1)^(2)^(3)^(5)^(7)^(9)" D EN^VALM("PSJ LM IV INPT ACTIVE") Q ; RESET ;Reset PSIVOI("DILIST") for additives with quick codes N XX,XXX,CNT S CNT=0 S XX=0 F S XX=\$O(PSIVOI("DILIST",XX)) Q:XX="" S CNT=CNT+1,LYN(CNT)=PS IVOI("DILIST",XX,0) D . S XXX=0 F S XXX=\$O(PSIVOI("DILIST",XX,XXX)) Q:XXX="" S CNT=CNT+1,L N(CNT)=\$P(PSIVOI("DILIST",XX,0),"^")_"^"_\$P(PSIVOI("DILIST",XX,XXX,0),"^",2)"^ _\$P(PSIVOI("DILIST",XX,XXX,0),"^")_"^"_QC" K PSIVOI("DILIST") S PSIVOI("DILIST",0)=CNT_"^^^0^" S XX=0 F S XX=\$O(LYN(XX)) Q:'XX S PSIVOI("DILIST",XX,0)=LYN(XX) K LYN Q </pre>
Modified Logic (Changes are in bold)	

6.2.12.1.12 PSIVORE

Routine Name	PSIVORE	
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
SRS Traceability		
Related Options		
Related Routines	Routines "Called By"	Routines "Called"
	ACCEPT+19^PSIVOPT1 ACTVIE+11^PSIVORC2 NEWORDER+48^PSJCLOR2 R1+5^PSJCOMR FILEIV+8^PSJCOMR EDIT1+13^PSJLIACT ACCEPT+3^PSJLIACT LMNEW+9^PSJOEO	FILE^DICN ^DIR LK^ORX2 ULK^ORX2 ENQL^PSGLW ENGNN^PSGOETO ENCHS1^PSIV ENGETP^PSIV ENQ^PSIV Q^PSIV ^PSIVCHK ^PSIVHLP ^PSIVOPT ENLBL^PSIVOPT VF^PSIVORC2 DEL55^PSIVORE2 GTPD^PSIVORE2 NEW^PSIVORE2 CLINIC^PSIVOREN NATURE^PSIVOREN ORPARM^PSIVOREN PUT531^PSIVORFA

		NEW55^PSIVORFB SET55^PSIVORFB SET^PSIVORFE ^PSIVORLB \$\$GTPCI^PSIVUTL GTOT^PSIVUTL ^PSIVXU WP^PSJAC EN1^PSJHL2 VF1^PSJLIAC IN^PSJOCDS HOLDHDR^PSJOE LOCKERR^PSJOE \$\$ENORL^PSJUTL EFDIV^PSJUTL \$\$L^PSSLOCK UL^PSSLOCK INP^VADPT
Data Dictionary References	^DD("DD" ^PS(53.1 ^PS(53.45 ^PS(55	
Related Protocols	N/A	
Related Integration Agreements	^PS(55 is supported by DBIA 2191 ^ORX2 is supported by DBIA #867 ^PSSLOCK is supported by DBIA #2789 ^DICN is supported by DBIA 10009 ^DIR is supported by DBIA 10026 EN^VALM is supported by DBIA 10118 ^VADPT is supported by DBIA 10061	
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	Name: Definition:	
Output Attribute Name and Definition	Name: Definition:	
Current Logic:		
PSIVORE ;BIR/PR,MLM-ORDER ENTRY ; 4/1/08 2:37pm ;;5.0; INPATIENT MEDICATIONS ;**18,29,50,56,58,81,110,127,133,157,203,213,181**;16 DEC 97;Build 190 ; ; Reference to ^PS(55 is supported by DBIA 2191 ; Reference to ^ORX2 is supported by DBIA #867 ; Reference to ^PSSLOCK is supported by DBIA #2789 ; Reference to ^DICN is supported by DBIA 10009. ; Reference to ^DIR is supported by DBIA 10026. ; Reference to EN^VALM is supported by DBIA 10118. ; Reference to ^VADPT is supported by DBIA 10061. ; N PSJNEW,PSJOUT,PSGPTMP,PPAGE,FLAG S PSJNEW=1 ; D SITE Q: '\$G(PSIVQ) K PSIVQ S PSGOP="" ; BEG ;Get patient and make sure he is living. L +^PS(53.45,DUZ):1 E D LOCKERR^PSJOE G Q ;* F K WSCHADM S PSGPTMP=0,PPAGE=1 D ENGETP^PSIV O:DFN<0 D ASK		

```

; * F K WSCHADM S PSGPTMP=0,PPAGE=1 D ENGETP^PSIV Q:DFN<0 S X=DFN_";DPT(" D LK^ORX2
Q:'Y D ASK S X=DFN_";DPT(" D ULK^ORX2
NEW PSJLK
F K WSCHADM S PSGPTMP=0,PPAGE=1 D ENGETP^PSIV Q:DFN<0 S PSJLK='$$L^PSSLOCK(DFN,1)
Q:PSJLK D ASK,UL^PSSLOCK(DFN)
I PSGOP,$P(PSJSYSL,"^",2)]"" D ENQL^PSGLW
G Q
;
ASK ;See if patient has been admitted.
I VADM(6) W !?5,"Patient has died." Q
I 'VAIN(4) K DIK S DIR(0)="Y",DIR("A")="Do you wish to continue",DIR("B")=
"NO",DIR("??")="^S HELP="ADMYN" D ^PSIVHLP1 W !,"This patient has not been admitted." D ^DIR
K DIR Q:'Y
S:VAIN(4) WSCHADM+=VAIN(4)
;
SETN ;Set up patient 0 node if needed.
I '$D(^PS(55,DFN,0)) K DO,DA,DD,DIC,PSIVFN S:$D(^5.1) PSIVFN=^5.1 K:$D(PSIVFN)
^5.1 S (DINUM,X)=DFN,DIC(0)="L",DIC="^PS(55," D FILE^DICN S:$D(PSIVFN) ^PS(55,DFN,5.1)=PSIVFN
D K DIC,PSIVFN,DO,DA,DD,DINUM
.; Mark PSJ and PSO as converted
.S $P(^PS(55,DFN,5.1),"^",11)=2
S PSJNARC=1
S PSGP=DFN,PSJPWD+=VAIN(4),PSIVAC="P",PSIVBR="D ^PSIVOPT" D HK,ENCHS1^PSIV Q:'$D(DFN)
Q
;
NEW ;Ask to enter new order.
D:'$D(VADM(1)) DEM^VADPT
K P,PSIVCHG,PSIVTYPE,PSJOE,DIR S DIR(0)="Y",DIR("A")="New order for "_V
ADM(1),DIR("B")="YES",DIR("??")="^S HELP="NEWORD" D ^PSIVHLP D ^DIR K DIR Q:'Y
NEW X S X=DFN_";DPT(" D LK^ORX2 Q:'Y S PSJLSORX=1
INMED K ON55,PSJOUT S (P(4),P("OT"),P("FRES"))="" D NEW55^PSIVORFB I '$D(ON55) D ULK
G:'$D(PSJOE)&('$D(PSJOUT)) NEW G Q
S P("RES")="N",PSIVAC="PN",P("PON")=ON55,PSIVUP=+$GTPCI^PSIVUTL D NEW^
PSIVORE2 I $G(P(2))="" D DEL55^PSIVORE2 D ULK G:'$D(PSJOE) NEW Q
D OK L -^PS(55,DFN,"IV",+ON55) D ULK G:'$D(PSJOE) NEW
;
Q ; Kill and exit.
L:'$D(PSJOE) -^PS(53.45,DUZ) S PSJNKF=1 D Q^PSIV
K FIL,IL,ND,PC,PDM,PSGDT,PSGID,PSGLMT,PSGSI,PSJNARC,PSIVAC,PSIVCHG,PSIVUP,
PSIVX,PSJOPC
Q
;
ULK ;
Q:'$G(PSJLSORX) ;If NEW^PSIVORE did not lock, don't kill it here.
NEW X S X=DFN_";DPT(" D ULK^ORX2 K PSJLSORX
Q
HK ;Queue job to print MAR labels generated for this patient.
I PSGOP,PSGOP'=DFN D
.N PSJACPF,PSJACNWP,PSJPWD,PSJSYSL,PSJSYSW,PSJSYSW0,DFN,VAIN,VAERR S DFN=PSGOP
.D INP^VADPT S PSJPWD+=VAIN(4) I PSJPWD S PSJACPF=10 S PSJACPF=10 D WP^
PSJAC D:$P(PSJSYSL,U,2)]"" ENQL^PSGLW
S PSGOP=DFN
Q
;
SITE ;See if site parameters are ok.
K PSIVQ D ^PSIVXU Q:$D(XQUIT)
I '$D(PSIVSN)!('$D(PSIVSITE)) W $(7),$(7),!!,"You have no IV ROOM parameters ...
PLEASE ... PLEASE ...",!,"Exit this package and reenter properly !"
,!! Q
D ORPARM^PSIVOREN S PSIVQ=1
Q
;
OK ;Print example label, run order through checker, ask if it is ok.
S P16=0,PSIVEXAM=1,(PSIVNOL,PSIVCT)=1 D GTOT^PSIVUTL(P(4)) I $G(P("PD"))="" D
GTPD^PSIVORE2
D ^PSIVCHK I $D(DUOUT) S X="^" G DOA
I ERR=1 S X="N" G BAD
W ! D ^PSIVORLB K PSIVEXAM S Y=P(2) W !,"Start date: " X ^DD("DD") W $P
(Y,"@"), " ",$P(Y,"@",2),?30," Stop date: " S Y=P(3) X ^DD("DD") W $P(Y,"@"), " ",$P(Y,"@",2),!
;PSJ*5*157 EFD for IVs
D EFDIV^PSJUTL($G(ZZND))

```

```

D:$G(PSGORQF) IN^PSJOCDS($G(ON55),"IV","") Q:$G(PSGORQF)
W:$G(PSIVCHG) !,"*** This change will cause a new order to be created. ***"
I '$G(PSIVCOPY) G:PSIVAC["R" OK1 S X="Is this O.K.: ^"$S(ERR:"NO",1:"YES")_"
^NO"_$S(ERR=1:"YES",1:"") D ENQ^PSIV
S PSJIVBD=1 ;var use to indicate order enter from back door
BAD ; I X["N" D GSTRING^PSIVORE1,^PSIVORV2,GTFLDS^PSIVORFE G OK
I ON55["V",($G(P(21))="") S P(17)="N"
I X["N" NEW PSGEBN,PSGLI S (P("INS"),PSGEBN,PSGLI)="",(PSJORD,ON)=ON55
D EN^VALM("PSJ LM IV AC/EDIT") S VALMBCK="Q" Q
I X["?" S HELP="OK" D ^PSIVHLP G OK
DOA I X["^" D DEL55^PSIVORE2 Q
Q:$NONVF("SN")
OK1 S PSJORL=$$ENORL^PSJUTL($G(VAIN(4))),P(17)="A",ORSTS=6,ON=ON55,PSJORN+=P(6)
D:$D(PSJIVORF) ORPARM^PSIVOREN
I PSJIVORF D NATURE^PSIVOREN I '$D(P("NAT")) D DEL55^PSIVORE2 Q
D SET55^PSIVORFB
I PSJIVORF,($G(P(22))=.5) D CLINIC^PSIVOREN
I PSJIVORF D SET^PSIVORFE S ORNATR=P("NAT"),ON+=ON55,OD=P(2) D EN1^PSJH
L2(DFN,"SN",+ON55_"V","SEND ORDER NUMBER") ;,EN1^PSJHL2(DFN,"SC",+ON55_"V","NEW ORDER CREATED")
D VF1^PSJLIAC("V","ORDER ENTERED AS ACTIVE BY ",1)
D ENLBL^PSIVOPT(2,DUZ,DFN,3,+ON55,"N")
;
CAL ;Calculate doses.
;S OD=P(2) D EN,^PSIVORE1,^PSIVOPT
S OD=P(2) D EN,^PSIVOPT
Q
;
EN ;Update schedule interval P(15) only on continuous orders.
;This includes Hyp/Adm/Continuous Syringes/Chemos =>P(5)=0
Q:$D(DFN)!('$D(ON55)) Q:$P(^PS(55,DFN,"IV",+ON55,0),U,4)="P"!($P(^0),U,5))!($P(^0),U,23)="P")
D SPSOL S XXX=$P(^PS(55,DFN,"IV",+ON55,0),U,8) G:'SPSOL ENQ I XXX?1N.N.
1".N1" ml/hr! (XXX?1"0."1N1" ml/hr) S P(15)=$S('XXX:0,1:SPSOL\XXX*60+(SPSOL#X
XX/XXX*60+.5)\1),$P(^PS(55,DFN,"IV",+ON55,0),U,15)=P(15) G ENQ
S P(15)=$S('P(XXX,"@",2):0,1:1440/$P(XXX,"@",2)\1),$P(^PS(55,DFN,"IV",
+ON55,0),U,15)=P(15)
ENQ K SPSOL,XXX Q
SPSOL S SPSOL=0 F XXX=0:0 S XXX=$O(^PS(55,DFN,"IV",+ON55,"SOL",XXX)) Q:'XXX
S SPSOL=SPSOL+$P(^XXX,0),U,2)
K XXX Q
ENIN ;Entry for Combined IV/UD order entry. Called by PSJOE0.
D HOLDDHDR^PSJOE
W !
N PSJOUT S (DONE,FLAG)=0,PSIVAC="PN"
ENIN1 ;
N DA,DIR,PSJOE,PSJPCAF,PSJSYSL,WSCHADM,PSJALLGY S:$G(VAIN(4)) WSCHADM=VAIN(4)
K P,PSIVCHG,PSJCOM
S PSJOE=1,DIR(0)="55.01,.040",DIR("A")="Select IV TYPE" D ^DIR
I X["",X'="^",$P("^PROFILE",X))="" S PSJOEPF=X Q
S:$D(DTOUT) X="^" I "^"[X S PSJORQF=PSJORQF+$S(X="^":2,$G(FLAG):0,1:1),X="." Q
S FLAG=1,PSIVTYPE=Y,(P(5),P(23))="" I "SC"[Y D @(Y_"^PSIVORC1") S $P(PS
IVTYPE,U,2)=P(23)
D INMED G:'$D(PSJOUT) ENIN S:$D(PSJOUT) PSJORQF=2
Q
NONVF(PSJOC) ;If file at NonVF then quit with 1
NEW PSGOEAV S PSGOEAV=+$P(PSJSYSP0,U,9)
I +PSJSYSU=3,PSGOEAV Q 0
I +PSJSYSU=1,PSGOEAV Q 0
K DA D ENGN^PSGOETO S ON=DA_"P",P(17)="N",P("REN")=0
D GTPD^PSIVORE2
D NATURE^PSIVOREN I '$D(P("NAT")) D:ON55["V" DEL55 Q 1
D:$G(VAIN(4))="" CLINIC^PSIVOREN
W !,"...transcribing this non-verified order...."
D PUT531^PSIVORFA
D:$G(PSJOC)]"" EN1^PSJHL2(DFN,PSJOC,ON,"SEND ORDER NUMBER")
D:ON55["V" DEL55
NEW PSJORD S (ON55,PSJORD)=ON
D VF^PSIVORC2
Q 1
DEL55 ;
Q:ON55["P"

```

<pre> S X=\$G(^PS(55,DFN,"IV",+ON55,0)) I \$P(X,U,21)]"" ,(\$G(^PS(55,DFN,"IV",+ON55,2)]"")) S \$P(^{2),U,6)=ON,\$P(^PS(53.1,+ON,0),U,25)=ON55 Q NEW PSIVORFA S PSIVORFA=1 D DEL55^PSIVORE2 Q </pre>
Modified Logic (Changes are in bold)

6.2.12.1.1.13 PSIVVW1

Routine Name	PSIVVW1		
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change		
SRS Traceability			
Related Options			
Related Routines	Routines “Called By”	Routines “Called”	
	PP2+2^PSGVBWP OV1+4^PSIV DEQ1+3^PSIVPR PP2+2^PSJCLO4 L+2^PSJLIAC PP2+2^PSJPR	YN^DICN ^DIR AL1^PSGVW0 NPAGE^PSGVW0 ^PSIVHLP ^PSIVHLP2 DATA^PSIVLTR1 \$\$CODES^PSIVUTL NAME^PSJBCMA1 ENHIS^PSJHIS ENHIS^PSJINHIS ^PSJOCKV2 HOLDHDR^PSJOE FULL^VALM1	
Data Dictionary References	^DD(“DD” ^PS(53.1 ^PS(55		
Related Protocols	N/A		
Related Integration Agreements	^PS(55 is supported by DBIA# 2191		
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local		
Input Attribute Name and Definition	Name: Definition:		
Output Attribute Name and Definition	Name: Definition:		
Current Logic:			
PSIVVW1 ;BIR/PR-PRINT ACTIVITY LOG ;06 APR 97 / 5:47 PM ;;5.0;INPATIENT MEDICATIONS;**58,81,267**;16 DEC 97;Build 158 ; ; Reference to ^PS(55 is supported by DBIA# 2191 ; ;Called at top from Patient Profile option BEG ;Ask to view activity log K PSIVLOG,PSIVLAB F O=0:0 W !,"View activity log" S %=1 D YN^DICN O:%			

```

S HELP="ACTLOG" D ^PSIVHLP
  G:%<1 Q S:%=1 PSIVLOG=1
  ;
BEG1      ;Ask to view label log
  F Q=0:0 W !,"View label log" S %=1 D YN^DICN Q:% S HELP="LABLOG" D ^P
SIVHLP2
  G:%<1 Q S:%=1 PSIVLAB=1 G ENPR
  ;
EN        ; Show activity, label, or history log.
  D FULL^VALM1
  S:'$D(ON55) ON55=ON
  K DIR S DIR(0)="SOA^A:Activity Log;L:Label Log;H:History Log;I:Instructions
History",DIR("A")="(A)ctivity (L)abel (H)istory (I)nstructions History: "
  D ^DIR K DIR G:$D(DIRUT) Q N PSJHISEL S PSJHISEL=Y D:Y="H" ENHIS^PSJHIS
(DFN,ON55,"V") I PSJHISEL="I" D ENHIS^PSJHIS(DFN,ON55,"V") G EN
  K PSJHIS
  D:PSJHISEL="A" EN1 D:PSJHISEL="L" DATA^PSIVLTR1(DFN,+ON55) I $D(PSIVSCR),'$G(PSJDNE) D
PAUSE
  G EN
  ;
ENPR      ;Entry from profile.
  D HOLDHDR^PSJOE
  K PSJDNE I $D(PSIVLOG) D EN1 I $D(PSIVSCR),'$D(PSJDNE) D PAUSE
  I '$D(PSJDNE),'$D(PSIVLAB) D DATA^PSIVLTR1(DFN,+ON55) I $D(PSIVSCR),'$G(PSJDNE) D PAUSE
  I $D(PSIVSCR) K DIR S DIR(0)="E" D ^DIR K DIR
  ;
Q         K %,COU,I,L,N,OG,P1,P17,PSIVX,USER
  Q
  ;
EN1       ;Entry for Inmed functionality and viewing the log from IV order entry
  K PSJDNE S PSIVSCR=$E(IOST)="C"
  I ON["P" D Q
  . NEW AT,PN,PX,UD,OD
  . S AT="S",PN=1,PX="" F Q=0:0 S Q=$O(^PS(53.1,+ON,"A",Q)) Q:'Q I $D(^Q,0)) S AND=^(0)
D: '(PN#6) NPAGE^PSGVW0 Q:PX["^" D ALL^PSGVW0
  . W !
  I '$O(^PS(55,DFN,"IV",+ON55,"A",0)) W !,"No activity LOG to report." G Q
  D HDR F JJ=0:0 S JJ=$O(^PS(55,DFN,"IV",+ON55,"A",JJ)) Q:'JJ!$G(PSJDNE) S
P1=$G(^JJ,0),Y=+$P(P1,"^",5) D ACT
  Q
  ;
ACT       ;This module is used for the screen profile
  X ^DD("DD") W !,JJ,?3,$P(Y,"@")," ",$P(Y,"@",2),?24 S X=$$CODES^PSIVUTL
($P(P1,"^",2),55.04,.02) W X
  D NAME^PSJBCMA1($P(P1,U,6),.X) W ?50,X
  W !?3,"Comment: ",$P(P1,"^",4) D PAUSE Q:$D(PSJDNE)
  F A1=0:0 S A1=$O(^PS(55,DFN,"IV",+ON55,"A",JJ,1,A1)) Q:'A1!$D(PSJDNE) S P1=^(A1,0) D
ACTW
  W !
  Q
  ;
ACTW      ;
  N II,NXTOPI
  I $P(P1,"^")="OTHER PRINT INFO"!($P(P1,"^",2)]")!($P(P1,"^",3)]") D
Q
  .I $P(P1,"^",2)=$P(P1,"^",3) Q
  .W ! D PAUSE W !?10,"Field: ",$P(P1,"^"),"" D PAUSE W !?3,"Changed from:
',",$P(P1,"^",2),"" D PAUSE W !?13,"To: ",$P(P1,"^",3),"" D PAUSE
  W ! D PAUSE W !?10,"Field: ",$P(P1,"^"),"" D PAUSE W !?3,"Changed from: "
  I $P(P1,"^")="OTHER PRINT INFO" D
  .N TXTLN S TXTLN=0 F S TXTLN=$O(^PS(55,DFN,"IV",+ON55,"A",JJ,2,TXTLN))
Q:'TXTLN D
  ..I TXTLN=1 W !?4,"",^(TXTLN,0) Q
  ..W !?5,^(TXTLN,0) I '(TXTLN#12) D PAUSE
  .W "","",!
  D PAUSE
  I $P(P1,"^")="OTHER PRINT INFO" S NXTOPI=0 D
  .I '$D(^PS(55,DFN,"IV",+ON55,"A",JJ,3)) D Q
  ..S II=JJ F S II=$O(^PS(55,DFN,"IV",+ON55,"A",II)) Q:'II!$G(NXTOPI) I
($G(^II,1,1,0))["OTHER PRINT INFO"] S NXTOPI=II
  ..I '$G(NXTOPI) D Q

```

<pre> ...S II=0 F S II=\$O(^PS(55,DFN,"IV",+ON55,10,II)) Q:'II W:II=1 !?3,"To : ",!?4,"'",^(II,0) W:II>1 !?5,^(II,0) ..N TXTLN S TXTLN=0 F II=0:1 S TXTLN=\$O(^PS(55,DFN,"IV",+ON55,"A",NXTOP I,2,TXTLN)) Q:'TXTLN W:II=1 !?3,"To : ",!?4,"'",^(II,0) W:(II>1) !?5,^(II,0) ..N TXTLN S TXTLN=0 F II=0:1 S TXTLN=\$O(^PS(55,DFN,"IV",+ON55,"A",JJ,3,T XTLN)) Q:'TXTLN W:TXTLN=1 !?3,"To : ",!?4,"'",^(TXTLN,0) W:TXTLN>1 !?5,^(TXTLN,0) I '(TXTLN#12) D PAUSE .I \$G(II) W " ",! D PAUSE Q PAUSE ; I (\$Y#IOSL)>18,PSIVSCR K DIR S DIR(0)="E" D ^DIR K DIR W !!! I \$D(DUOUT)!\$D(DTOUT) S (PSJS1,PSJS2,PSJS3,PSJS4)="~", (PSJDNE,PSJPR)=1 Q ; HDR W !!, "ACTIVITY LOG:", !, "#", ?3, "DATE", ?14, "TIME", ?24, "REASON", ?50, "USER", ! F I=1:1:79 W "=" Q ; LOG1 ;This module is used for profile report. (hard printer copy usually) Q X ^DD("DD") W !, JJ, ?3, \$P(Y, "@"), " ", \$P(Y, "@", 2), ?24 S X=\$\$CODES^PSIVUTL (\$P(P1, "^", 2), 55.04, .02) W X W ?50, \$P(P1, "^", 3), !?3, "Comment: ", \$P(P1, "^", 4) I (\$Y#IOSL)>22, PSIVSCR D PAUSE F PSIVX=0:0 S PSIVX=\$O(^PS(55,DFN,"IV",+ON,"A",JJ,1,PSIVX)) Q:'PSIVX S P1=^(PSIVX,0) W !!?10, "Field: ", \$P(P1, "^"), " ", !?3, "Changed from: ", \$P(P1, "^", 2), " ", !?13, "To: ", \$P(P1, "^", 3), " " I (\$Y#IOSL)>18, PSIVSCR D PAUSE Q ENLOG ;Entry for patient profile report OR patient purge report ;Called from routine PSIVPR S (ON,ON55)=PSJORD D HDR W:'\$O(^PS(55,DFN,"IV",+ON,"A",0)) !!, "No activity LOG to report." ; K PSJDNE S PSIVSCR=\$E(IOST)="C" F JJ=0:0 S JJ=\$O(^PS(55,DFN,"IV",+ON,"A",JJ)) Q:'JJ!\$D(PSJDNE) S P1=\$S(\$D(^JJ,0):^(0),1:""), Y=+\$P(P1, "^", 5) D ACT G Q </pre>	
Modified Logic (Changes are in bold)	
New Routine	

6.2.12.1.1.14 PSJCOM

Routine Name	PSJCOM	
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
SRS Traceability		
Related Options		
Related Routines	Routines "Called By"	Routines "Called"
	IV+11^PSJCOMV IV+17^PSJCOMV IV+18^PSJCOMV	NOW^%DTC %XY^%RCR ^DIR NEWNVAL^PSGAL5 \$\$ENDTC^PSGMI ENWALL^PSGNE3 \$\$DDOK^PSGOE2 FILES1^PSJBCMA5 DOSECHK^PSJDOSE SETVAR^PSJDOSE \$\$GETDUR^PSJLIVMD MAIN^TIUEDIT PAUSE^VALM1

Data Dictionary References	
Related Protocols	N/A
Related Integration Agreements	^VALM1 is supported by DBIA 10116. ^PS(55 is supported by DBIA 2191. ^%DTC is supported by DBIA 10000. ^%RCR is supported by DBIA 10022. ^DIR is supported by DBIA 10026. ^TIUEDIT is supported by DBIA 2410.
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local
Input Attribute Name and Definition	Name: Definition:
Output Attribute Name and Definition	Name: Definition:
Current Logic:	
<pre> PSJCOM ;BIR/CML3-FINISH COMPLEX UNIT DOSE ORDERS ENTERED THROUGH OE/RR ;02 Feb 2001 12:20 PM ; ;5.0;INPATIENT MEDICATIONS; **110,186,267** ;16 DEC 97;Build 158 ; ; Reference to ^VALM1 is supported by DBIA 10116. ; Reference to ^PS(55 is supported by DBIA 2191. ; Reference to ^%DTC is supported by DBIA 10000. ; Reference to ^%RCR is supported by DBIA 10022. ; Reference to ^DIR is supported by DBIA 10026. ; Reference to ^TIUEDIT is supported by DBIA 2410. ; UPD ; Q:'PSJCOM M ^TMP("PSJCOM",\$J,+PSGORD)=^PS(53.1,+PSGORD) I PSGST="",(PSGSCH="NOW"!(PSGSCH="ONCE")) S PSGST="O" S \$P(^TMP("PSJCOM",\$J,+PSGORD,0),"^",9)="N",\$P(^0,"^",4)="U",\$P(^0,"^",7)=PSGST,\$P(^TMP("PSJCOM",\$J,+PSGORD,2),"^",2)=PSGSD,\$P(^2,"^",4)=PSGFD I \$D(PSGSI),\$P(\$G(^PS(53.1,+PSGORD,0)),U,24)="R" S ^TMP("PSJCOM",\$J,+PSGORD,6)=PSGSI I \$D(PSGSI),\$P(\$G(^PS(53.1,+PSGORD,0)),U,24)="R" S \$P(^TMP("PSJCOM",\$J,+PSGORD,6),U)=\$P(PSGSI,U) I \$P(PSGSI,U)=" " S \$P(^TMP("PSJCOM",\$J,+PSGORD,6),U,2)=" " S:\$D(PSGSCH) \$P(^TMP("PSJCOM",\$J,+PSGORD,2),"^")=PSGSCH I PSGSM,PSGOHSM'=PSGHSM S \$P(^TMP("PSJCOM",\$J,+PSGORD,0),"^",5)=PSGSM,\$ P(^TMP("PSJCOM",\$J,+PSGORD,0),"^",6)=PSGHSM W "." S PSGOEWF="^TMP("PSJCOM",\$J,+PSGORD," F Q=1,3 K @(PSGOEWF_Q)" S %X="^PS(53.45,"_PSJSYSP_", "_\$(Q=1:2,1:1) _", "%Y=PSGOEWF_Q", " K @(PSGOEWF_Q)") D %XY^%RCR W "." ;MOU-0100-30945 S PSGND=\$G(^TMP("PSJCOM",\$J,+PSGORD,0)),X=\$P(PSGND,U,24) S PSJOWALL=+\$G(^PS(55,PSGP,5.1)) I \$S(X="R":1,\$G(^PS(55,PSGP,5.1))>PSGDT:0,1:X'="E") S X=\$G(^TMP("PSJCO M",\$J,+PSGORD,2)) D ENWALL^PSGNE3(+P(X,U,2),+P(X,U,4),PSGP) S \$P(^TMP("PSJCOM",\$J,+PSGORD,.2),U,2)=PSGDO,\$P(^TMP("PSJCOM",\$J,+PSGOR D,2),U,5)=PSGAT S:\$G(PSGS0XT) \$P(^2,U,6)=PSGS0XT I 'PSGOEAV D NEWNVAL(PSGORD,\$S(+PSJSYSU=3:22005,1:22000)) I \$D(^PS(53.45,DUZ,5,1,0)) D FILESI^PSJBCMA5(PSGP,PSGORD) N SIARRAY S S IARRAY=" " D NEWNVAL^PSGAL5(PSGORD,6000,"SPECIAL INSTRUCTIONS",,.SIARRAY) I PSGOEAV,+PSJSYSU=3 D VFY Q I PSGOEAV,\$G(PSJRNFB) D VFY Q ; change status, move to 55, and change label record Q:'PSJCOM I '\$D(^TMP("PSJCOM",\$J,+PSGORD)) M ^TMP("PSJCOM",\$J,+PSGORD)=^PS(53.1,+PSGORD) NEW PSJDOSE,PSJDSFLG D DOSECHK^PSJDOSE I +\$G(PSJDSFLG) D SETVAR^PSJDOSE W !,PSJDOSE("WARN"),!,PSJDOSE("WARN1") I '\$\$CONT() W !,"...order was not verified..." D PAUSE^VALM1 D Q:'\$G(PSJACEPT) . S PSGOEWF(109)=1 </pre>	

```

. S PSJACEPT=0
D DDCHK G:CHK DONE
W !,"...a few moments, please..."
I PSGORD["P" D
. S PSGORDP=PSGORD ;Used in ACTLOG to update activity log in ^TMP
. I '$D(^TMP("PSJCOM2",$J,+PSGORD)) D Q
.. NEW PSGX S PSGX=$G(^TMP("PSJCOM",$J,+PSGORD,2.5)),PSGRSD=$P(PSGX,U),
PSGRFD=$P(PSGX,U,3)
.. S $P(^TMP("PSJCOM",$J,+PSGORD,0),"^",9)="A" W "." ;D ^PSGOT
. NEW PSGX S PSGX=$G(^TMP("PSJCOM2",$J,+PSGORD,2.5)),PSGRSD=$P(PSGX,U),
PSGRFD=$P(PSGX,U,3)
. S $P(^TMP("PSJCOM2",$J,+PSGORD,0),"^",9)="A" W "." ;D ^PSGOT
D NEWNVAL(+PSGORD,(PSJSYSU*10+22000)) W "."
S VND4=$S('$D(^TMP("PSJCOM2",$J,+PSGORD)): $G(^TMP("PSJCOM",$J,+PSGORD,4
)),1:$G(^TMP("PSJCOM2",$J,+PSGORD,4)))
I $G(PSGRSD) D
. S PSGRSD=$$ENDTC^PSGMI(PSGRSD) D NEWNVAL(PSGORD,6090,"Requested Start Date",PSGRSD)
. S PSGRFD=$$ENDTC^PSGMI(PSGRFD) D NEWNVAL(PSGORD,6090,"Requested Stop Date",PSGRFD)
N DUR,DURORD S DURON=$S($G(ON)&($G(PSGORD)["U"]:ON,$G(PSGORD):PSGORD,1:"")) Q:'DURON D
. S DUR=$S($P($G(PSGRDTX),U,2)):"":$P($G(PSGRDTX),U,2),1:$GETDUR^PSJLIV
MD(PSGP,+DURON,$S($G(DURON)["P":"P",$G(DURON)["V":"IV",1:5],1),1:""))
I DUR[""] S $P(^TMP("PSJCOM2",$J,+PSGORD,2.5),"^",2)=DUR
;D:$D(PSGORDP) ACTLOG(PSGORDP,PSGP,PSGORD)
K PSGRSD,PSGRFD,PSGALFN
NEW X S X=0 I $G(PSGONF),(+$G(PSGODDD(1))'<+$G(PSGONF)) S X=1
I +PSJSYSU=3,PSGORD'["O",$S(X:0,'$P(VND4,"^",16):1,1:$P(VND4,"^",15))];
D EN^PSGPEN(+PSGORD)
S:$P(VND4,U,+PSJSYSU=3+9) $P(VND4,U,+PSJSYSU=3+9)=+$P(VND4,U,+PSJSYSU=3+9)
S:$P(VND4,"^",15)&'$P(VND4,"^",16) $P(VND4,"^",15)=" S:$P(VND4,"^",18)
&'$P(VND4,"^",19) $P(VND4,"^",18)=" S:$P(VND4,"^",22)&'$P(VND4,"^",23) $P(VND4,"^",22)="
S $P(VND4,"^",PSJSYSU,PSJSYSU+1)=DUZ_"^"_PSGDT
S:$D(^TMP("PSJCOM2",$J,+PSGORD)) ^TMP("PSJCOM",$J,+PSGORD,4)=VND4 S:$D
(^TMP("PSJCOM2",$J,+PSGORD)) ^TMP("PSJCOM2",$J,+PSGORD,4)=VND4
W:$D(PSJSPEED) ! W !,"ORDER VERIFIED.",!
I '$D(PSJSPEED) K DIR S DIR(0)="E" D ^DIR K DIR
S VALMBCK="Q"
S ^TMP("PSJCOM",$J)="A" S:$D(^TMP("PSJCOM2",$J,+PSGORD)) ^TMP("PSJCOM2",$J)="A"
;
DONE
;
W:CHK !!,"...order NOT verified..."
I '$D(PSJSPEED),'CHK,+PSJSYSU=3,$G(PSJPRI)="D" D
.N DIR W ! S DIR(0)="S^Y:Yes;N:No",DIR("A")="Do you want to enter a Progress
Note",DIR("B")="No" D ^DIR
.Q:Y="N"
.D MAIN^TIUEDIT(3,.TIUDA,PSGP,"","","","",1)
S VALMBCK="Q" K CHK,DA,DIE,F,DP,DR,ND,PSGAL,PSGODA,PSJDOSE,PSJVAR,VND4,X Q
;
DDCHK ; dispense drug check
S DRGF=$S('$D(^TMP("PSJCOM2",$J,+PSGORD)):^TMP("PSJCOM","_$_J_",+"_PS
GORD_",",1:^TMP("PSJCOM2","_$_J_",+"_PSGORD_","),CHK=$S('$O(@ (DRGF_"1,0"))):7,1:0)
S PSGPD=$G(@ (DRGF_"2"))
S CHK=$S('$DDOK^PSGOE2(DRGF_"1",PSGPD):7,1:0)
Q:CHK=0
W $C(7),!!,"This order must have at least one valid, active dispense drug to be
verified."
;
CONT()
;
NEW DIR,DIRUT,Y
W ! K DIR,DIRUT
S DIR(0)="Y",DIR("A")="Would you like to continue verifying the order",DIR("B")="No"
D ^DIR
Q Y
;
NEWNVAL(PSGALORD,PSGALC,PSGFLD,PSGOLD) ;
;
;Where PSGALORD = PSGORD (Required)
; PSGALC = ACTIVITY CODE FROM #53.3 (Required)
; PSGFLD = FIELD THAT CHANGED (Free text, optional)
; PSGOLD = THE FIELDS OLD DATA VALUE (Free text, optional)
;
;N PSGALORD,PSGALC,PSGFLD,PSGOLD

```


<pre> ; ; Create 0 node activity log for order if none exists, and get next entry number I 'SD(^TMP("PSJCOM2",\$J,+PSGALORD)) D Q . S QQ=\$G(^TMP("PSJCOM",\$J,+PSGALORD,"A",0)) S:QQ="" QQ="^53.1119D" F Q =\$P(QQ,"^",3)+1:1 I 'SD(^Q) S \$P(QQ,"^",3,4)=Q_"^"_Q,^(0)=QQ,PSGAL("N")=Q Q . ;Set up data to be held in activity log record . D NOW^%DTC S PSGDT=+\$E(%,1,12) . I \$L(\$G(PSGOLD))>170 S PSGOLD=\$E(PSGOLD,1,167)"..." ; Use of ... indicates old data field was greater than 170 characters . S Q=%_"^"_S(PSGALC=6010:"AUTO CANCEL",\$D(DUZ)[0:"UNKNOWN",DUZ]"" :DUZ ,1:"UNKNOWN")_"^"_PSGALC_"^"_S(\$D(PSGFLD):PSGFLD,1:"")_"^"_S(\$D(PSGOLD):PSGOLD,1:"") . ; Create activity log entry . S ^TMP("PSJCOM",\$J,+PSGALORD,"A",PSGAL("N"),0)=Q S QQ=\$G(^TMP("PSJCOM2",\$J,+PSGALORD,"A",0)) S:QQ="" QQ="^53.1119D" F Q= \$P(QQ,"^",3)+1:1 I 'SD(^Q) S \$P(QQ,"^",3,4)=Q_"^"_Q,^(0)=QQ,PSGAL("N")=Q Q ;Set up data to be held in activity log record D NOW^%DTC S PSGDT=+\$E(%,1,12) I \$L(\$G(PSGOLD))>170 S PSGOLD=\$E(PSGOLD,1,167)"..." ; Use of ... indicates old data field was greater than 170 characters S Q=%_"^"_S(PSGALC=6010:"AUTO CANCEL",\$D(DUZ)[0:"UNKNOWN",DUZ]"" :DUZ,1 :"UNKNOWN")_"^"_PSGALC_"^"_S(\$D(PSGFLD):PSGFLD,1:"")_"^"_S(\$D(PSGOLD):PSGOLD,1:"") ; Create activity log entry S ^TMP("PSJCOM2",\$J,+PSGALORD,"A",PSGAL("N"),0)=Q Q </pre>
Modified Logic (Changes are in bold)

6.2.12.1.1.15 PSJCOMV

Routine Name	PSJCOMV	
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
SRS Traceability		
Related Options		
Related Routines	Routines “Called By”	Routines “Called”
	EDCHK+4^PSJVORC2 ACTIVE+12^PSJVORC2	NOW^%DTC ^DIR \$\$ENDTC^PSGMI NEWNVAL^PSJCOM KILL531^PSJIMO1 \$\$GETDUR^PSJLIVMD EN^VALM
Data Dictionary References	^PS(53.1 ^TMP(“PSJCOM” ^TMP(“PSJCOM2”	
Related Protocols	N/A	
Related Integration Agreements	^PS(55 is supported by DBIA 2191. ^%DTC is supported by DBIA 10000.. ^DIR is supported by DBIA 10026.	
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	Name: Definition:	

Output Attribute Name and Definition	Name: Definition:
Current Logic:	
<pre> PSJCOMV ;BIR/CML3-FINISH COMPLEX IV ORDERS ENTERED THROUGH OE/RR ;02 Feb 2001 12:20 PM ;5.0;INPATIENT MEDICATIONS;**110,127,267**;16 DEC 97;Build 158 ; ; Reference to ^PS(55 is supported by DBIA 2191. ; Reference to ^%DTC is supported by DBIA 10000.. ; Reference to ^DIR is supported by DBIA 10026. ; ; IV ; Move IV data in local variables to ^TMP Q:'PSJCOM Q:ON'["P" M ^TMP("PSJCOM", \$J,+ON)=^PS(53.1,+ON) S P(17)="N" K ND S ND(0)=+ON_U_+P(6)_U_\$S(+P("MR")+P("MR"),1:"")_U_\$P(P("OT"),U)_U _U_"C", \$P(ND(0),U,9)=P(17), \$P(ND(0),U,21)=\$G(P(21)) S \$P(ND(0),U,14,16)=P("LOG")_U_DFN_U_P("LOG"), \$P(ND(0),U,24,26)=\$G(P("R ES"))_U_\$G(P("OLDON"))_U_\$G(P("NEWON")) S ND(2)=P(9)_U_P(2)_U_P(3)_U_P(11)_U_P (15), \$P(ND(4),U,7,9)=+P("CLRK")_U_U_P("REN") S ND(8)=P(4)_U_P(23)_U_P("SYRS")_U_P(5)_U_P(8)_U_P(7), ND(9)=\$S(\$L(P("REM")_P("OPI")):P("REM")_U_P("OPI"),1:"") S:+\$G(P("CLIN")) ^TMP("PSJCOM", \$J,+ON, "DSS")=P("CLIN") F X=0,2,4,8,9 S ^TMP("PSJCOM", \$J,+ON,X)=ND(X) S:+'\$G(^TMP("PSJCOM", \$J,+ON,.2)) \$P(^.2,U,1,3)=+P("PD")_U_P("DO")_U_\$G(P("NAT")) F DRGT="AD", "SOL" D:\$D(DRG(DRGT)) PTD531 I '+\$P(PSJSYSU, "A", 9) D NEWNVAL^PSJCOM(ON, \$S(+PSJSYSU=3:22005, 1:22000)) I +PSJSYSU=3,+\$P(PSJSYSU, U, 9) D VFYIV Q I +PSJSYSU=1,+\$P(PSJSYSU, U, 9), \$G(PSJIRNF) D VFYIV I \$G(PSIVENO), (\$P(^PS(53.1,+PSJORD,0),U,9)="N") D EN^VALM("PSJ LM IV INPT ACTIVE") Q ; VFYIV ; Q:'PSJCOM I '\$D(^TMP("PSJCOM", \$J,+ON)) M ^TMP("PSJCOM", \$J,+ON)=^PS(53.1,+ON) D . N CHILD, ORDER S ORDER=0 F S ORDER=\$O(^PS(53.1, "ACX", PSJCOM, ORDER)) Q : 'ORDER D . . I '\$D(^TMP("PSJCOM", \$J,+ORDER)) M ^TMP("PSJCOM", \$J,+ORDER)=^PS(53.1,+ORDER) I ON["P" D . S P(17)="A" . S PSGORDP=ON ;Used in ACTLOG to update activity log in ^TMP . NEW PSGX S PSGX=\$S(\$D(^TMP("PSJCOM2", \$J,+ON,2.5)): \$G(^TMP("PSJCOM2", \$ J,+ON,2.5)), 1:\$G(^TMP("PSJCOM2", \$J,+ON,2.5))), PSGRSD=\$P(PSGX,U), PSGRFD=\$P(PSGX,U,3) . S:\$D(^TMP("PSJCOM2", \$J,+ON,0)) \$P(^TMP("PSJCOM2", \$J,+ON,0), "A", 9)=P(17) S: '\$D(^TMP("PSJCOM2", \$J,+ON,0)) \$P(^TMP("PSJCOM", \$J,+ON,0), "A", 9)=P(17) W "." ;D ^PSGOT D NEWNVAL^PSJCOM(ON, (PSJSYSU*10+22000)) W "." S VND4=\$S('\$D(^TMP("PSJCOM2", \$J,+ON)): \$G(^TMP("PSJCOM", \$J,+ON,4)), 1:\$G(^TMP("PSJCOM2", \$J,+ON,4))) S VND2P5=\$\$GETDUR^PSJLIVMD(DFN,ON,\$E(ON,\$L(ON)),1) I VND2P5]" D . S: '\$D(^TMP("PSJCOM2", \$J,+ON)) ^TMP("PSJCOM", \$J,+ON,2.5)="^"_VND2P5 Q . S:\$D(^TMP("PSJCOM2", \$J,+ON)) ^TMP("PSJCOM2", \$J,+ON,2.5)="^"_VND2P5 I \$G(PSGRSD) D . S PSGRSD=\$\$ENDTC^PSGMI(PSGRSD) D NEWNVAL^PSJCOM(ON,6090,"Requested Start ate",PSGRSD) . S PSGRFD=\$\$ENDTC^PSGMI(PSGRFD) D NEWNVAL^PSJCOM(ON,6090,"Requested Stop Date",PSGRFD) K PSGRSD, PSGRFD, PSGALFN NEW X S X=0 I \$G(PSGONF), (+\$G(PSGODDD(1)))'<+\$G(PSGONF)) S X=1 I +PSJSYSU=3, ON'["O", \$S(X:0, '\$P(VND4, "A", 16):1, 1:\$P(VND4, "A", 15)) ; D EN^PSGPEN(+ON) S: '\$P(VND4,U,+PSJSYSU=3+9) \$P(VND4,U,+PSJSYSU=3+9)=+\$P(VND4,U,+PSJSYSU=3+9) S:\$P(VND4, "A", 15)&'\$P(VND4, "A", 16) \$P(VND4, "A", 15)=" S:\$P(VND4, "A", 18) &'\$P(VND4, "A", 19) \$P(VND4, "A", 18)=" S:\$P(VND4, "A", 22)&'\$P(VND4, "A", 23) \$P(VND4, "A", 22)=" S \$P(VND4, "A", PSJSYSU, PSJSYSU+1)=DUZ_"^"_PSGDT, ^TMP("PSJCOM", \$J,+ON,4)=VND4 S: '\$D(^TMP("PSJCOM2", \$J,+ON)) ^TMP("PSJCOM", \$J,+ON,4)=VND4 S:\$D(^TMP("PSJCOM2", \$J,+ON)) ^TMP("PSJCOM2", \$J,+ON,4)=VND4 W: '\$D(PSJSPEED) ! W !, "ORDER VERIFIED.", ! I '\$D(PSJSPEED) K DIR S DIR(0)="E" D ^DIR K DIR S VALMBCK="Q" S ^TMP("PSJCOM", \$J)= "A" S:\$D(^TMP("PSJCOM2", \$J,+ON)) ^TMP("PSJCOM2", \$J)= "A" Q ; </pre>	

```

PTD531 ; Move drug data from local array into ^TMP
K ^TMP("PSJCOM",$J,DRGT) S ^TMP("PSJCOM",$J,+ON,DRGT,0)=$S(DRGT="AD": "^
53.157^0^0",1:"^53.158^0^0")
F X=0:0 S X=$O(DRG(DRGT,X)) Q: 'X D
.S X1=$P(DRG(DRGT,X),U),Y=^TMP("PSJCOM",$J,+ON,DRGT,0),$P(Y,U,3)=$P(Y,U
,3)+1,DRG=$P(Y,U,3),$P(Y,U,4)=$P(Y,U,4)+1
.S ^TMP("PSJCOM",$J,+ON,DRGT,0)=Y,Y=X1_U_$P(DRG(DRGT,X),U,3) S:DRGT="AD"
$P(Y,U,3)=$P(DRG(DRGT,X),U,4) S ^TMP("PSJCOM",$J,+ON,DRGT,+DRG,0)=Y
Q
;
NEWIV ;Create new IV order in appropriate file format
M ^TMP("PSJCOM2",$J,+ON)=^PS(53.1,+ON)
S $P(^TMP("PSJCOM",$J,+ON,0),"^",9)="DE",P("OLDON")=+ON_"P",P("RES")="E"
I +$P(PSJSYSPO,U,9) D NEWAIV Q
S ND(0)=+ON_U_+P(6)_U_$S(+P("MR")+P("MR"),1:"")_U_$P(P("OT"),U)_U_U_
"C",$P(ND(0),U,9)=P(17),$P(ND(0),U,21)=$G(P(21))
S $P(ND(0),U,14,16)=P("LOG")_U_DFN_U_P("LOG"),$P(ND(0),U,24,26)=$G(P("R
ES"))_U_$G(P("OLDON"))_U_$G(P("NEWON")) S ND(2)=P(9)_U_P(2)_U_U_P(3)_U_P(11)_U_P
(15),$P(ND(4),U,7,9)=+P("CLRK")_U_U_P("REN")
S ND(8)=P(4)_U_P(23)_U_P("SYRS")_U_P(5)_U_P(8)_U_P(7),ND(9)=$S($L(P(
"REM"))_P("OPI")):P("REM")_U_P("OPI"),1:"")
S:+$G(P("CLIN")) ^TMP("PSJCOM2",$J,+ON,"DSS")=P("CLIN")
F X=0,2,4,8,9 S ^TMP("PSJCOM2",$J,+ON,X)=ND(X)
S:+$G(^TMP("PSJCOM2",$J,+ON,.2)) $P(^.2,U,1,3)=+P("PD")_U_P("DO")_U_
$G(P("NAT"))
I $G(P("PRNTON"))] " S $P(^TMP("PSJCOM2",$J,+ON,.2),"^",8)=$G(P("PRNTON"))
F DRGT="AD","SOL" D:$D(DRG(DRGT)) PTD5312
D EN^VALM("PSJ LM IV INPT ACTIVE")
Q
;
PTD5312 ; Move drug data from local array into ^TMP
K ^TMP("PSJCOM2",$J,DRGT) S ^TMP("PSJCOM2",$J,+ON,DRGT,0)=$S(DRGT="AD":
"^53.157^0^0",1:"^53.158^0^0")
F X=0:0 S X=$O(DRG(DRGT,X)) Q: 'X D
.S X1=$P(DRG(DRGT,X),U),Y=^TMP("PSJCOM2",$J,+ON,DRGT,0),$P(Y,U,3)=$P(Y,
U,3)+1,DRG=$P(Y,U,3),$P(Y,U,4)=$P(Y,U,4)+1
.S ^TMP("PSJCOM2",$J,+ON,DRGT,0)=Y,Y=X1_U_$P(DRG(DRGT,X),U,3) S:DRGT="AD"
$P(Y,U,3)=$P(DRG(DRGT,X),U,4) S ^TMP("PSJCOM2",$J,+ON,DRGT,+DRG,0)=Y
Q
;
NEWAIV ;Creates new IV order in the file 55 format
N DA,DIK,ND,PSIVACT
I '$D(PSGDT) D NOW^%DTC S PSGDT=+$E(%1,12)
S: '$D(P(21)) (P(21),P("21FLG"))="" S ND(0)=+ON,P(22)=$S(VAIN(4):+VAIN(4),1:.5) F
X=2:1:23 I $D(P(X)) S $P(ND(0),U,X)=P(X)
S ND(.3)=$G(P("INS"))
S $P(ND(0),U,17)="A",ND(1)=P("REM"),ND(3)=P("OPI"),ND(.2)=$P($G(P("PD")
),U)_U_$G(P("DO"))_U_+P("MR")_U_$G(P("PRY"))_U_$G(P("NAT"))_U_U_U_$G(P("PRNTON"))
F X=0,1,3,.2,.3 S ^TMP("PSJCOM2",$J,+ON,X)=ND(X)
S $P(^TMP("PSJCOM2",$J,+ON,2),U,1,4)=P("LOG")_U_+P("IVRM")_U_U_P("SYRS"
),$P(^2,U,8,10)=P("RES")_U_$G(P("FRES"))_U_$S($G(VAIN(4)):+VAIN(4),1:"")
S $P(^TMP("PSJCOM2",$J,+ON,2),U,11)=+P("CLRK")
S:+$G(P("CLIN")) ^TMP("PSJCOM2",$J,+ON,"DSS")=P("CLIN")
S:+$G(P("NINIT")) ^TMP("PSJCOM2",$J,+ON,4)=P("NINIT")_U_P("NINITDT")
I +PSJSYSU=3 S $P(^TMP("PSJCOM2",$J,+ON,4),"^",4)=DUZ,$P(^TMP("PSJCOM2"
,$J,+ON,4),"^",5)=PSGDT,$P(^TMP("PSJCOM2",$J,+ON,4),"^",9)=1
I +PSJSYSU=1 S $P(^TMP("PSJCOM2",$J,+ON,4),"^",10)=1
F DRGT="AD","SOL" D PUTD55
Q
;
PUTD55 ; Move drug data from local array into 55
K ^TMP("PSJCOM2",$J,+ON,DRGT) S ^TMP("PSJCOM2",$J,+ON,DRGT,0)=$S(DRGT="
AD": "^55.02PA",1:"^55.11IPA")
F X=0:0 S X=$O(DRG(DRGT,X)) Q: 'X D
.S Y=^TMP("PSJCOM2",$J,+ON,DRGT,0),$P(Y,U,3)=$P(Y,U,3)+1,DRG=$P(Y,U,3),
$P(Y,U,4)=$P(Y,U,4)+1
.S ^TMP("PSJCOM2",$J,+ON,DRGT,0)=Y,Y=$P(DRG(DRGT,X),U)_U_$P(DRG(DRGT,X)
,U,3) S:DRGT="AD" $P(Y,U,3)=$P(DRG(DRGT,X),U,4) S ^TMP("PSJCOM2",$J,+ON,DRGT,+DRG,0)=Y
Q

```

Modified Logic (Changes are in bold)

6.2.12.1.1.16 PSJDGAL2

Routine Name	PSJDGAL2			
Enhancement Category	<input type="checkbox"/> New	<input checked="" type="checkbox"/> Modify	<input type="checkbox"/> Delete	<input type="checkbox"/> No Change
SRS Traceability				
Related Options				
Related Routines	Routines "Called By"	Routines "Called"		
	N/A	EN^DIQ1 ^DIR ^DIWP GETOC4^OROCAP11 FULL^VALM1 \$\$SITE^VASITE		
Data Dictionary References	^GMRD(120.83 ORD(100.05 ^PS(50.416 ^PS(50.605 ^PS(53.1 ^PS(55 ^TMP("PSJDAOCD" ^UTILITY(\$J ^VA(200			
Related Protocols	N/A			
Related Integration Agreements	^PS(50.605, supported by DBIA 696 GETOC4^OROCAP11 supported by DBIA 5729 ^ORD(100.05 supported by DBIA 5731 ^GMRD(120.83 supported by DBIA 5767 ^PS(55 supported by DBIA 2191			
Data Passing	<input type="checkbox"/> Input	<input type="checkbox"/> Output Reference	<input type="checkbox"/> Both	<input type="checkbox"/> Global Reference <input type="checkbox"/> Local
Input Attribute Name and Definition	Name: Definition:			
Output Attribute Name and Definition	Name: Definition:			
Current Logic:				
<pre> PSJDGAL2 ;BIR/SAB-displays stored DRUG ALLERGY w/sign/symptoms ;10/27/11 02:22 ;;5.0;INPATIENT MEDICATIONS ;**260**;16 DEC 97;Build 94 ;External reference to ^PS(50.605, supported by DBIA 696 ;External reference to GETOC4^OROCAP11 supported by DBIA 5729 ;External reference to ^ORD(100.05 supported by DBIA 5731 ;External reference to ^GMRD(120.83 supported by DBIA 5767 ;External reference to ^PS(55 supported by DBIA 2191 ; W @IOF N ZORN,X,RET,DA,ZCNT,ZCNTT,PSJDAOC,ZZQ,XXI,ZI,SEVT,ZFND,SEVN S (ZCNT,ZCNTT,ZFND)=0 ;gets drug allergy order chks PSJ*5*260 I \$G(PSJORD){"P" S ZORN=+\$P(^PS(53.1,+PSJORD,0),U,21) I \$G(PSJORD){"U" S ZORN=+\$P(^PS(55,DFN,5,+PSJORD,0),U,21) </pre>				

```

I $G(PSJORD){ "V" S ZORN=+$P(^PS(55,DFN,"IV",+PSJORD,0),U,21)
G: '$G(ZORN) EXT
S PSJDAOC="IP MEDS "_$S($G(PSJORD){ "U": "Unit Dose", $G(PSJORD){ "V": "IV",
1: "Pending/Non-Verified")_ " Order"
K ^TMP("PSJDAOCD", $J) D GETOC4^OROCAP11(ZORN, .RET)
BRK I $O(RET(ZORN, "DATA", ""))= " W !, "NO Drug Allergy Order Checks found for "_PSJDAOC G
EXT
F ZI=0:0 S ZI=$O(RET(ZORN, "DATA", ZI)) Q: 'ZI I $P(RET(ZORN, "DATA", ZI, 1), "^")=3 S
ZCNTT=1
I 'ZCNTT W !, "NO Drug Allergy Order Checks found for "_PSJDAOC G EXT
F ZI=0:0 S ZI=$O(RET(ZORN, "DATA", ZI)) Q: 'ZI I $P(RET(ZORN, "DATA", ZI, 1), "^")=3 D
.S ZCNT=ZCNT+1, ^TMP("PSJDAOCD", $J, "AOC", ZCNT, 0)=$P(RET(ZORN, "DATA", ZI, 0
), "^", 3)_ "^_$P(^VA(200, $P(RET(ZORN, "DATA", ZI, 0), "^", 4), 0), "^")
.I $G(RET(ZORN, "DATA", ZI, "OR", 1, 0))]" S ^TMP("PSJDAOCD", $J, "AOR", $G(RET
(ZORN, "DATA", ZI, "OR", 1, 0)))=" "
.;
.F XXI=0:0 S XXI=$O(^ORD(100.05, ZI, 4, XXI)) Q: 'XXI D: $P($G(^ORD(100.05,
ZI, 4, XXI, 0)), "^", 3)]"
..S ZFND=1, ^TMP("PSJDAOCD", $J, "CA", $P(^ORD(100.05, ZI, 4, XXI, 0), "^", 3))=" "
..S ^TMP("PSJDAOCD", $J, "OH")=$P(^ORD(100.05, ZI, 4, XXI, 0), "^", 7), IT=+$P(^
ORD(100.05, ZI, 4, XXI, 0), "^", 5)
..S SEVT=$P(^ORD(100.05, ZI, 4, XXI, 0), "^", 8), SEVN=$S(SEVT=1: "MILD", SEVT=2
: "MODERATE", SEVT=3: "SEVERE", 1: "Not Entered")
..F ZZQ=0:0 S ZZQ=$O(^ORD(100.05, ZI, 4, XXI, 1, ZZQ)) Q: 'ZZQ S ^TMP("PSJDA
OCD", $J, "DC", $P(^ORD(100.05, ZI, 4, XXI, 1, ZZQ, 0), "^"))=$P(^PS(50.605, $P(^ORD(100.05
, ZI, 4, XXI, 1, ZZQ, 0), "^"), 0), "^")_ " _$P(^0), "^", 2)
..F ZZQ=0:0 S ZZQ=$O(^ORD(100.05, ZI, 4, XXI, 2, ZZQ)) Q: 'ZZQ S ^TMP("PSJDA
OCD", $J, "DI", $P(^PS(50.416, $P(^ORD(100.05, ZI, 4, XXI, 2, ZZQ, 0), "^"), 0), "^"))=" "
..F ZZQ=0:0 S ZZQ=$O(^ORD(100.05, ZI, 4, XXI, 3, ZZQ)) Q: 'ZZQ S ^TMP("PSJDA
OCD", $J, "SS", $P(^GMRD(120.83, $P(^ORD(100.05, ZI, 4, XXI, 3, ZZQ, 0), "^"), 0), "^"))=" "
I 'ZFND W !, "NO Drug Allergy Order Checks found for "_PSJDAOC G EXT
K ^UTILITY($J, "W") S DIWL=1, DIWR=55, DIWF=" " N Z, ZI, ZX
D FULL^VALM1 N ING, SS, DC, CA, OH, CAG S (ING, SS, DC, CA)=" "
S CA=$O(^TMP("PSJDAOCD", $J, "CA", ""))
W !, "Drug Allergy Occurrence Event for "_PSJDAOC, !
; F ZXX=0:0 S ZXX=$O(^TMP("PSJDAOCD", $J, "AOC", ZXX)) Q: 'ZXX W !?3, $P(^TMP
("PSJDAOCD", $J, "AOC", ZXX, 0), "^")
S CAG="^_ $P(CA, ";", 2)_ $P(CA, ";", 0)"
W !, " Causative Agent: "_$S(CA="None Found": CA, 1: $P(@CAG), "^")
S OH=$G(^TMP("PSJDAOCD", $J, "OH")) W !, "Historical/Observed: "_$S(OH="H"
: "HISTORICAL", OH="O": "OBSERVED", 1: "Not Entered")
W !, " Severity: "_SEVN
W !, " Ingredient: " I $O(^TMP("PSJDAOCD", $J, "DI", ""))]" D
.F S ING=$O(^TMP("PSJDAOCD", $J, "DI", ING)) Q: ING=" " S X=ING_, " D ^DIWP
.F ZX=0:0 S ZX=$O(^UTILITY($J, "W", 1, ZX)) Q: 'ZX W ?21, ^UTILITY($J, "W", 1, ZX, 0), !
.K ^UTILITY($J, "W") S DIWL=1, DIWR=55, DIWF=" " N Z, ZI, ZX
E W "None Entered", !
;
W " Signs/Symptoms: " I $O(^TMP("PSJDAOCD", $J, "SS", ""))]" D
.F S SS=$O(^TMP("PSJDAOCD", $J, "SS", SS)) Q: SS=" " S X=SS_, " D ^DIWP
.F ZX=0:0 S ZX=$O(^UTILITY($J, "W", 1, ZX)) Q: 'ZX W ?21, ^UTILITY($J, "W", 1, ZX, 0), !
.K ^UTILITY($J, "W") S DIWL=1, DIWR=55, DIWF=" " N Z, ZI, ZX
E W "None Entered", !
;
W " Drug Class: " I $O(^TMP("PSJDAOCD", $J, "DC", 0))]" D
.F DC=0:0 S DC=$O(^TMP("PSJDAOCD", $J, "DC", DC)) Q: 'DC S X=^TMP("PSJDAOC
D", $J, "DC")_, " D ^DIWP
.F ZX=0:0 S ZX=$O(^UTILITY($J, "W", 1, ZX)) Q: 'ZX W ?21, ^UTILITY($J, "W", 1, ZX, 0), !
.K ^UTILITY($J, "W") S DIWL=1, DIWR=55, DIWF=" " N Z, ZI, ZX
E W !
;
K ^UTILITY($J, "W") S DIWL=1, DIWR=55, DIWF=" " N Z, ZI, ZX, OR, X
S OR=" " W "Provider Override Reason: " S OR=$O(^TMP("PSJDAOCD", $J, "AOR", ""))
S X=$S($G(OR))": OR, 1: "N/A - Order Entered Through VistA") D ^DIWP
F ZX=0:0 S ZX=$O(^UTILITY($J, "W", 1, ZX)) Q: 'ZX W ?26, ^UTILITY($J, "W", 1, ZX, 0), !
; E W "N/A - Order Entered Through VistA"
I IT D
.K DIC, DR, DIQ, DA, INTY S DIC=9009032.4, DA=IT, DR=".01;.03;.04;.08", DIQ="INTY" D EN^DIQ1
.W !, " Intervention Date: "_INTY(9009032.4, IT, .01)
.W !, " Provider: "_INTY(9009032.4, IT, .03)
.W !, " Pharmacist: "_INTY(9009032.4, IT, .04)

```

EXT	.W !," Recommendation: "_INTY(9009032.4,IT,.08) .K DIC,DR,DIQ,DA,INTY E W !," Pharmacist Intervention Not Entered" W ! K DIR,DUOUT,DIRUT,ZFND S DIR(0)="E",DIR("A")="Press Return to Continue",DIR("?")="Press Return to Redisplay Rx."
	D ^DIR S VALMBCK="R" K DIR,DUOUT,DIRUT K ^TMP("PSJDAOCD",\$J) Q
Modified Logic (Changes are in bold)	
New Routine	

6.2.12.1.17 PSJGMRA

Routine Name	PSJGMRA	
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
SRS Traceability		
Related Options		
Related Routines	Routines "Called By"	Routines "Called"
	VFY+15^PSGOEV VFY+13^PSGORD VF+3^PSJLIACT VF+5^PSJLIACT ALLERGY+6^PSJOC ALLERGY+12^PSJOC INTERV+14^PSJOC DI INTERV+23^PSJOC DI INTERV+6^PSJOC DSD INTERV+7^PSJOC DSD INTERV+8^PSJOC DSD	^DIC ^DIR \$\$ORCHK2^GMRAOR GETDATA^GMRAOR MYWRITE^PSJMISC ^PSJRXI ^PSODGAL1
Data Dictionary References	^PS(50.605 ^PS(50L7 ^PWDRUG ^TMP("GMRAOC" ^TMP(PSJDAI" ^TMP("PSJDAOCD" ^TMP(\$J	
Related Protocols	N/A	
Related Integration Agreements	^PS(50.605 is supported by DBIA 696. ^PSDRUG(is supported by DBIA 2192. ^TMP("GMRAOC" supported by DBIA 4848. GETDATA^GMRAOR supported by DBIA 4847. PSODGAL1 supported by DBIA 5764. ^PS(50.7 supported by DBIA 2180.	
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	

Input Attribute Name and Definition	
Output Attribute Name and Definition	Name: Definition:
Current Logic:	
<pre> PSJGMRA ;BIR/MV - Retrieve and display Allergy data ;6 Jun 07 / 3:37 PM ; ;5.0;INPATIENT MEDICATIONS ;**181,270,260**;16 DEC 97;Build 94 ; ; Reference to ^PS(50.605 is supported by DBIA 696. ; Reference to ^PSDRUG(is supported by DBIA 2192. ; Reference to ^TMP("GMRAOC" supported by DBIA 4848. ; Reference to GETDATA^GMRAOR supported by DBIA 4847. ; Reference to PSODGAL1 supported by DBIA 5764. ; Reference to ^PS(50.7 supported by DBIA 2180 ; EN(DFN,PSJDD) ; ;DFN - Patient IEN ;PSJDD - ^PSDRUG IEN Q:'+\$G(DFN) Q:'+\$G(PSJDD) N PTR,GMRAING,PSJACK,PSJCLCNT,PSJFLG,PSJVACL,DIW,DIWF,DIWI,DIWL,DIWR,DI WT,DIWTC,DIWX,PSJNEW,X,Y,PSODRUG,PSODFN,PSJAOC K ^TMP("GMRAOC",\$J),^TMP(\$J,"PSJCLS"),PSJVACL,^TMP("PSJDAI",\$J),^TMP("PSJDAOC",\$J) S DIC=50,DIC(0)="MQZV",X=PSJDD D ^DIC K DIC Q:Y=-1 S PSODRUG("IEN")=PSJDD,PSODRUG("VA CLASS")=\$P(Y(0),"^",2),PSODRUG("NAME")=\$P(Y(0),"^") S:+\$G(^PSDRUG(+Y,2)) PSODRUG("OI")=+\$G(^2),PSODRUG("OIN")=\$P(^PS(50.7 ,\$G(^2),0),"^") S PSODRUG("NDF")=\$S(\$G(^PSDRUG(PSJDD,"ND"))]"":+^("ND")_"A"_\$P(^("ND"),"^",3),1:0) ;changed n psj*5*260 S PSODFN=DFN G ^PSODGAL1 ; S PSJACK=0 S PTR=\$P(\$G(^PSDRUG(PSJDD,"ND")),U)_"_"_\$P(\$G(^PSDRUG(PSJDD,"ND")),U,3) I +PTR S PSJACK=\$\$NDF() S PSJCLCNT=\$\$CLASS() D DISP K ^TMP("GMRAOC",\$J),^TMP(\$J,"PSJCLS") Q NDF() ;Process NDF drug NEW PSJLP S PSJACK=0 K ^TMP("GMRAOC",\$J) S PSJACK=\$\$ORCHK^GMRAOR(DFN,"DR",PTR) Q PSJACK CLASS() ; NEW PSJLEN,PSJLOC,PSJCLCHK,PSJCLNM,PSJDDCL,INVCL,INVCNT S PSJDDCL=\$P(\$G(^PSDRUG(+PSJDD,0)),U,2) S PSJLEN=4,PSJCLCNT=0 I \$E(PSJDDCL,1,4)="CN10" S PSJLEN=5 ;look at 5 chars if ANALGESICS ; K GMRADRL,^TMP("GMRAOC",\$J,"APC"),^TMP(\$J,"PSJCLS") D GETDATA^GMRAOR(DFN) I '\$D(^TMP("GMRAOC",\$J,"APC")) Q 0 ; S PSJVACL="" F S PSJVACL=\$O(^TMP("GMRAOC",\$J,"APC",PSJVACL)) Q:PSJVACL="" D .;*PSJ*5*270 - Check for invalid drug class, print warning message . S PSJLOC=^TMP("GMRAOC",\$J,"APC",PSJVACL),PSJCLNM=\$P(\$G(^PS(50.605,\$O (^PS(50.605,"B",PSJVACL,0)),0)),U,2) . I \$G(PSJCLNM)="" S INVCL(PSJVACL)="" Q . S PSJVACL(PSJVACL)=PSJVACL_U_PJSJCLNM_ (" _PSJLOC_") . S PSJCLCNT=PSJCLCNT+1 I \$D(INVCL) D . W \$(7),!,"WARNING: The following drug class does not exist in the VA DRUG CLASS file",! . W " (#50.605). Please do a manual Drug-Allergy order check and notify",! . W " the pharmacy ADPAC for follow up.",! . S INVCNT="" F S INVCNT=\$O(INVCL(INVCNT)) Q:INVCNT="" W !,"VA Drug Class: ",INVCNT </pre>	

	<pre> . W ! S DIR("A")="Press Return to continue",DIR(0)="E",DIR("?")="Press Return to continue" D ^DIR K DIR W ! ; S PSJCLCHK=0,PSJVACL="" F S PSJVACL=\$O(PSJVACL(PSJVACL)) Q:PSJVACL="" D .I \$E(PSJDDCL,1,PSJLEN)=\$E(PSJVACL,1,PSJLEN) D .. S PSJCLCHK=PSJCLCHK+1 .. S ^TMP(\$J,"PSJCLS",PSJCLCHK)=PSJVACL_"_"_\$P(PSJVACL(PSJVACL),"^",2) K ^TMP("GMRAOC",\$J) Q PSJCLCHK DISP ; NEW PSJLOC,PSJNIEN,PSJNM,PSJVACL,X,PSJX S PSJFLG=0 S PSJX=\$O(^TMP("GMRAOC",\$J,"APC","")) I '\$G(PSJACK)&'\$G(PSJCLCNT) Q S PSJFLG=1 W \$C(7),!!,"A Drug-Allergy Reaction exists for this medication and/or class!" W !!,?3,"Drug: " _\$P(\$G(^PSDRUG(PSJDD,0)),"^") I PSJACK D . S PSJX="" . F X=0:0 S X=\$O(GMRAING(X)) Q:'X D .. S PSJX=PSJX_\$S(PSJX="":",1:",")_GMRAING(X) . I PSJX]" W !?6,"Ingredients: " D MYWRITE^PSJMISC(PSJX,19,75) D:PSJCLCNT DISPCL D:(PSJFLG&'\$D(PSJDGCK)) INTERV("ALLERGY") Q DISPCL ;Display class(es) NEW PSJX,X Q:'\$D(^TMP(\$J,"PSJCLS")) S PSJX="" S PSJVACL="" F S PSJVACL=\$O(^TMP(\$J,"PSJCLS",PSJVACL)) Q:PSJVACL="" D . S PSJX=PSJX_\$S(PSJX="":",1:",")_ ^TMP(\$J,"PSJCLS",PSJVACL) . S PSJFLG=1 I PSJX]" D . W !,?6,"Drug Class: " . D MYWRITE^PSJMISC(PSJX,19,75) Q ; INTERV(PSJRXREQ,PSJDD1) ;Prompt if user to log an intervention for significant interaction ;PSPRXREQ - intervention type ;PSJDD1 - Prospective drug name NEW DIR,DTOUT,DIRUT,DIROUT,DUOUT,Y,X I \$G(PSGORQF)=1 Q S DIR(0)="SA^1:YES;0:NO",DIR("A")="Do you want to Intervene? ",DIR("B") =\$S(\$G(PSJRXREQ)="ALLERGY":"YES",1:"NO") I \$G(PSJDD1)]" S DIR("A")="Do you want to Intervene with "_PSJDD1_"? " W ! D ^DIR S DIR("?",1)="Answer 'YES' if you DO want to enter an intervention for this medication," S DIR("?)=" 'NO' if you DON'T want to enter an intervention for this medication," I Y S PSGP=DFN D ^PSJRXI W ! Q RINTERV(PSJRXREQ,PSJDD1) ;Prompt user to log an intervention for critical interaction ;PSPRXREQ - intervention type ;PSJDD1 - Prospective drug name NEW DIR,DTOUT,DIRUT,DIROUT,DUOUT,Y,X K PSGORQF S DIR(0)="SA^1:YES;0:NO",DIR("A")="Do you want to Continue? ",DIR("B")="NO" I \$G(PSJDD1)]" S DIR("A")="Do you want to Continue with "_PSJDD1_"? " S DIR("?",1)="Enter 'NO' if you wish to exit without continuing with the order," DIR("?)="or 'YES' to continue with the order entry process." D ^DIR I 'Y S PSGORQF=1 S VALMBCK="R" Q I Y S PSGP=DFN D ^PSJRXI W ! Q </pre>
	Modified Logic (Changes are in bold)
	New Routine

6.2.12.1.1.18 PSJHL3

Routine Name	PSJHL3	
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
SRS Traceability		
Related Options		
Related Routines	Routines “Called By”	Routines “Called”
	N/A	\$\$ESC^ORHLESC EN^PSGS0 \$\$CODES^PSIVUTL GETSIOP^PSJBCMA5 DISPLAY^PSJHL2 \$\$IVTYPE^PSJHLU CALL^PSJHLU INIT^PSJHLU SEGMENT^PSJHLU SEGMENT2^PSJHLU SET^PSJHLU ZRX^PSJHLU \$\$LASTREN^PSJLMPRI ^PSJNEWOC ^PSNAPIS \$\$DFSU^PSNAPIS \$\$PROD0^PSNAPIS \$\$EN^PSSUTIL1 \$\$FMTHL7^XLFDT \$\$TRIM^XLFSTR
Data Dictionary References	^PS(50.606 ^PS(50.607 ^PS(50.7 ^PS(51.2 ^PS(52.6 ^PS(52.7 ^PS(53.1 ^PS(55 ^PSDRUG(^PSNDF(^TMP(“PSJBCMA5” ^TMP(“PSJDAOC” ^TMP(“PSODAOC” ^VA(200	
Related Protocols	N/A	
Related Integration Agreements	^PS(50.606 is supported by DBIA# 2174. ^PS(50.607 is supported by DBIA# 2221. ^PS(50.7 is supported by DBIA# 2180. ^PS(51.2 is supported by DBIA# 2178. ^PS(52.6 is supported by DBIA# 1231. ^PS(52.7 is supported by DBIA# 2173. ^PS(55 is supported by DBIA# 2191. ^PSDRUG(is supported by DBIA# 2192. ^PSNDF(is supported by DBIA# 2195. ^VA(200 is supported by DBIA# 10060.	

	^PSNAPIS is supported by DBIA# 2531. ^XLFDT is supported by DBIA# 10103. ^PSSUTIL1 is supported by DBIA# 3179. ^ORHLESC is supported by DBIA# 4922. SAVEOC^OROCAP11 is supported by DBIA# 5729.
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local
Input Attribute Name and Definition	Name: Definition:
Output Attribute Name and Definition	Name: Definition:
Current Logic:	
<pre> PSJHL3 ;BIR/RLW-PHARMACY ORDER SEGMENTS ;4/24/12 2:46pm ;;5.0;INPATIENT MEDICATIONS;**1,11,14,40,42,47,50,56,58,92,101,102,123, 110,111,152,134,226,267,260**;16 DEC 97;Build 94 ; ; Reference to ^PS(50.606 is supported by DBIA# 2174. ; Reference to ^PS(50.607 is supported by DBIA# 2221. ; Reference to ^PS(50.7 is supported by DBIA# 2180. ; Reference to ^PS(51.2 is supported by DBIA# 2178. ; Reference to ^PS(52.6 is supported by DBIA# 1231. ; Reference to ^PS(52.7 is supported by DBIA# 2173. ; Reference to ^PS(55 is supported by DBIA# 2191. ; Reference to ^PSDRUG(is supported by DBIA# 2192. ; Reference to ^PSNDF(is supported by DBIA# 2195. ; Reference to ^VA(200 is supported by DBIA# 10060. ; Reference to ^PSNAPIS is supported by DBIA# 2531. ; Reference to ^XLFDT is supported by DBIA# 10103. ; Reference to ^PSSUTIL1 is supported by DBIA# 3179. ; Reference to ^ORHLESC is supported by DBIA# 4922. ; ;*267 Change NTE|21 so it can send over the Long Wp Special Inst/ ; Other Prt Info fields if populated. ; EN1(PSJHLDFN,PSOC,PSJORDER) ; start here ; passed in are PSJHLDFN (patient ien) ; PSJORDER (file root of order) ; OC (order control code - NW for new order, OK for finished order, OC for order canceled) I \$G(PSJHLDFN)']"!\$G(PSOC)']"!\$G(PSJORDER)']"' W !,"INSUFFICIENT DATA FOR ^PSJHL3" Q N COMMENTS,DDIEA,DDNUM,DOSE,DOSEFORM,DOSEOR,NAME,DURATION,IVTYPE,NODE1,NODE2, NDNODE,OINODE,PSGPLS,PSGPLF,PRODNAME,SPDIEN,UNIT,UNITS,CNT,DDIEN,SCHEDULE,PSGST D INIT S IVTYPE=\$S(RXORDER["U":",1:\$S(IVTYPE^PSJHLU(PSJORDER)) D RXO,RXE,RXR D ZRX D CALL^PSJHLU(PSJI) ;PSJ*5*260 I +\$G(^TMP("PSODAC", \$J,1,0)) D .N DA,OCODT,ORN,ORL,Z,RET,PSJDAOC,RXN .S PSJDAOC="IP MEDS "_\$S(\$G(PSJOCFG)]"'":PSJOCFG,1:"")_" Order Acceptance", OCODT=\$\$NOW^XLFDT .S RXN=+RXORDER .I RXORDER["P" S ORN=\$P(^PS(53.1,+RXORDER,0),U,21) .I RXORDER["U" S ORN=\$P(^PS(55,DFN,5,+RXORDER,0),U,21) .I RXORDER["V" S ORN=\$P(^PS(55,DFN,"IV",+RXORDER,0),U,21) .Q:'\$G(ORN) .D DAOC Q INIT ; initialize HL7 variables D INIT^PSJHLU Q RXO ; pharmacy prescription order segment (used to send Orderable Item to OE/RR) S LIMIT=17 X PSJCLEAR S FIELD(0)="RXO" </pre>	

```

S OINODE=$G(@ (PSJORDER_"2"))
S SPDIEN=+$P(OINODE,"^"),DOSEOR=$$ESC^ORHLESC($P(OINODE,"^",2)),DOSE=$P
(OINODE,"^",5),UNIT=$P(OINODE,"^",6) S:$G(PSJBCBU) UNIT=$$ESC^ORHLESC(UNIT)
S FIELD(1)=$S(SPDEN=0:"^",1:"^")_SPDIEN_"^"
I SPDIEN S DOSEFORM=$P($G(^PS(50.7,SPDIEN,0)),"^",2),NAME=$P($G(^PS(50.
606,+DOSEFORM,0)),"^") S:$G(PSJBCBU) NAME=$$ESC^ORHLESC(NAME) S FIELD(1)=FIELD(
1)_$$ESC^ORHLESC($P($G(^PS(50.7,SPDIEN,0)),"^"))_" _NAME
S FIELD(1)=FIELD(1)_"^99PSP"
N IVLNOD S IVLNOD=$G(@ (PSJORDER_"2.5")) D
.S IVLIM=$P(IVLNOD,"^",4) I IVLIM?1"a".N S IVLIM="doses"_$P(IVLIM,"a",2)
.S $P(FIELD(1),"^",3)=IVLIM
D SEGMENT^PSJHLU(LIMIT),DISPLAY^PSJHL2
Q
RXE
; pharmacy encoded order segment
S (UNITS,NDNODE,SPDIEN,PRODNAME,DDNUM,DDIEN,CNT)="",LIMIT=26 X PSJCLEAR
S FIELD(0)="RXE"
S NODE1=$G(@ (PSJORDER_"0")),NODE2=$G(@ (PSJORDER_"2")),NODEPT2=$G(@ (PSJORDER_"2"))
I $G(PSGST)="" N PSGST D
.I $G(RXORDER)[ "V" N X,ZZND,LYN,PSGS0XT,PSGS0Y,PSGOES S PSGOES=1 S X=$G(P(9)) I X]" " D
EN^PSGS0 S:$G(ZZND)="" PSGST=$P(ZZND,"^",5) Q
.S PSGST=$P($G(NODE1),"^",7)
I RXORDER[ "V" D IVRXE Q
I RXORDER[ "P",IVTYPE="F" D IVRXE Q
I RXORDER[ "P",$P(NODE1,"^",4)="H" D IVRXE Q
N RENEW S RENEW=$$LASTREN^PSJLMPRI(PSJHLDFN,RXORDER)
S PSGPLS=$S($G(PSJEXPOE):$P(NODE2,"^",2),RENEW>$P(NODE2,"^",2):RENEW,1:$P(NODE2,"^",2))
S PSGPLF=$S($G(PSJEXPOE):PSJEXPOE,1:$P(NODE2,"^",4))
S FIELD(1)=""_$$S($G(PSJBCBU):$P(NODE2,"^"),1:$$ESC^ORHLESC($P(NODE2,"^
"))_&_"_$P(NODE2,"^",5)_&_"_$$FMTHL7^XLFTD(PSGPLS)_&_"_$$FMTHL7^XLFTD(PSGPLF)_
^"_"_$P($G(NODEPT2),"^",4)_&_"_$$G(PSGST)
S FIELD(21)=""_$$P(NODE2,"^",5)_&_"_99PSA^"
I ($G(DOSEOR)"]")!($O(@ (PSJORDER_"1","^")),-1)=1 D
.S (CNT,DDNUM)=0 F S DDNUM=$O(@ (PSJORDER_"1","_DDNUM_")) Q: 'DDNUM Q: CNT=1 S
DDIEN=+$G(@ (PSJORDER_"1","_DDNUM_",0)) D
..S FIELD(1)=$S($P(@ (PSJORDER_"1","_DDNUM_",0)),"^",2)="" : "1",1:$P(@ (PS
JORDER_"1","_DDNUM_",0)),"^",2))_&_"_FIELD(1)
..S FIELD(1)=DOSE_"&_"_UNIT_"&_"_FIELD(1),$P(FIELD(1),"^",8)=$S($G(DOSEOR
))_"":$G(DOSEOR),1:DOSE_UNIT)
..S:$P(FIELD(1),"^",8)="" $P(FIELD(1),"^",8)=$$ESC^ORHLESC($G(@ (PSJORDER_"3"))))
..S NDNODE=$G(^PSDRUG(DDIEN,"ND"))
..; CHANGE FOR NEW NDF CALL
..S PRODNAME=$S($T(^PSNAPIS)]"" : $$PROD0^PSNAPIS(+NDNODE,$P(NDNODE,"^",3
)), $G(^PSNDF(+NDNODE,5,$P(NDNODE,"^",3),0))] "" : ^ (0),1:"N/A")
..S:PRODNAME="" PRODNAME="N/A"
..S FIELD(2)=$S(PRODNAME="N/A":&_"_1:+NDNODE_"_+$P(NDNODE,"^",3)_&_"
_$P(NDNODE,"^",2)_&_"_99NDF")_&_"_DDIEN_"_&_"_$$G(PSJBCBU):$P($G(^PSDRUG(DDIEN,
0)),"^"),1:$$ESC^ORHLESC($P($G(^PSDRUG(DDIEN,0)),"^"))_&_"_99PSD"
..S UNITS=$S(PRODNAME="N/A":&_"_N/A",1:$S($T(^PSNAPIS)]"" : $P($DFSU^PSNAPI
S(+NDNODE,$P(NDNODE,"^",3)),"^",5),1:$P($G(^PSNDF(+NDNODE,2,$P(PRODNAME,"^",2),
3,$P(PRODNAME,"^",3),4,$P(PRODNAME,"^",4),0)),"^"))
..S FIELD(5)=""_&_"_$$ESC^ORHLESC(UNITS)_&_"_$$ESC^ORHLESC($P($G(^PS(50.
607,UNITS,0)),"^"))_&_"_99PSU"
..S FIELD(6)=""_&_"_$$ESC^ORHLESC($G(DOSEFORM))_&_"_$$ESC^ORHLESC($P($G(
^PS(50.606,$G(DOSEFORM,0)),"^"))_&_"_99PSF"
..S FIELD(25)=$$EN^PSSUTIL1(DDIEN),FIELD(26)=$P(FIELD(25),"|",2),FIELD(
25)=$P(FIELD(25),"|")
..I $P(FIELD(25),"^",5)]"" S $P(FIELD(25),"^",5)=$$ESC^ORHLESC($P(FIELD(25),"^",5))
..S CNT=CNT+1
E S $P(FIELD(1),"^",8)=$$ESC^ORHLESC(DOSEOR)
S NAME=$P($G(^VA(200,DUZ,0)),"^") S:$G(PSJBCBU) NAME=$$ESC^ORHLESC(NAME) S
FIELD(14)=DUZ_"^" _NAME_"^" _"99NP"
D SEGMENT^PSJHLU(LIMIT),DISPLAY^PSJHL2
D SEGMENT2^PSJHLU
Q
IVRXE
; RXE segment for IV orders
; If an Inpatient Med IV order, send RXE w/dispense drug info.
; If an IV FLUID order, send start/stop date and duration in the RXE
; and send an RXC for each additive and solution.
N ADSNODE,PSJRENEW S PSJRENEW=$$LASTREN^PSJLMPRI(PSJHLDFN,RXORDER)
I RXORDER[ "V" S PSGPLS=$S($G(PSJEXPOE):$P(NODE1,"^",2),PSJRENEW>$P(NODE1,"^
",2):PSJRENEW,1:$P(NODE1,"^",2)),PSGPLF=$S($G(PSJEXPOE):PSJEXPOE,1:$P(NODE1,"^",3))

```

```

E S PSGPLS=$P(NODE2,"^",2),PSGPLF=$P(NODE2,"^",4)
S
FIELD(1)="^"_$S(PSJORDER["IV":($P(NODE1,"^",9))_"&"_$P(NODE1,"^",11)),1:$P(NODE2,"^"))_"^"_$FMT
HL7^XLFDT(PSGPLS)_ "^"_$FMTHL7^XLFDT(PSGPLF)_ "^"_$G(P("PRY"))
S FIELD(21)="^"_$S(PSJORDER["IV":$P(NODE1,"^",11),1:$P(NODE2,"^",5))_"^99PSA^^^"
S NAME=$P($G(^VA(200,DUZ,0)),("^") S:'$G(PSJBCBU) NAME=$$ESC^ORHLESC(NAME)
S FIELD(14)=DUZ_"^"_"NAME_"^"_"99NP"
N X,Y
I RXORDER["V" S INFUSE=$P(NODE1,"^",8)
E S INFUSE=$P($G(@ (PSJORDER_"8")),("^",5)
I INFUSE?1N.1" ml/hr" S FIELD(23)=+INFUSE,Y=$P(INFUSE,+INFUSE,2),Y=$$T
RIM^XLFSTR(Y,"LR"," "),FIELD(24)="^^^^_"Y_"^PSU"
I FIELD(23)="",FIELD(24)=" S FIELD(23)=INFUSE
D SEGMENT^PSJHLU(LIMIT),DISPLAY^PSJHL2
K SEGMENT I RXORDER["V" S JJ=0 F S JJ=$O(@ (PSJORDER_"5","_JJ_")) Q:'JJ S SEGMENT(JJ-
1)=$S($G(PSJBCBU):$G(@ (PSJORDER_"5","_JJ_",0))),1:$$ESC^ORHLESC
($G(@ (PSJORDER_"5","_JJ_",0))))
E S JJ=0 F S JJ=$O(@ (PSJORDER_"12","_JJ_")) Q:'JJ S SEGMENT(JJ-1)=$
S($G(PSJBCBU):$G(@ (PSJORDER_"12","_JJ_",0))),1:$G(@ (PSJORDER_"12","_JJ_",0)))
I D(SEGMENT(0)) S SEGMENT(0)="NTE|6|L|_"SEGMENT(0) D
.D SET^PSJHLU K SEGMENT,JJ
;build NTE 21 with Special Inst/Other Prt Info Wp fields *267
N QQ K ^TMP("PSJBCMA5",$J)
D GETSIOPI^PSJBCMA5(PSJHLDFN,RXORDER,1) I ($G(^TMP("PSJBCMA5",$J,PSJHLDFN,
RXORDER,1))["Instructions too long. See Order View or BCMA for full text"],($
G(PSJORD)["P"],($G(RXORDER)["V"]) D
.N OPIAL,OPIALFLG S OPIAL=0,OPIALFLG=0 F S OPIAL=$O(^PS(55,PSJHLDFN,"I
V",+RXORDER,"A",OPIAL)) Q:'OPIAL I ($G(^PS(55,PSJHLDFN,"IV",+RXORDER,"A",OPIAL,
1,1,0))["OTHER PRINT INFO"]) S OPIALFLG=1
.Q:$P($G(^PS(55,PSJHLDFN,"IV",+RXORDER,2)),("^",8))="N"!$G(OPIALFLG) D
GETSIOPI^PSJBCMA5(PSJHLDFN,PSJORD,1)
.N LINES,TEXT1 S LINES=($G(^TMP("PSJBCMA5",$J,PSJHLDFN,PSJORD))),TEXT1=
$G(^TMP("PSJBCMA5",$J,PSJHLDFN,PSJORD,1))
.Q:LINES<1!(LINES=1&(TEXT1["Instructions too long. See Order View or BCMA for full
text"]))
.K ^TMP("PSJBCMA5",$J,PSJHLDFN,RXORDER) M ^TMP("PSJBCMA5",$J,PSJHLDFN,R
XORDER)=^TMP("PSJBCMA5",$J,PSJHLDFN,PSJORD) K ^TMP("PSJBCMA5",$J,PSJHLDFN,PSJORD)
I RXORDER["V"! (RXORDER["U"]) I ($G(PSJORD)["P"],($P($G(^PS(53.1,+PSJORD,
0))),("^",25)=RXORDER) D
.D GETSIOPI^PSJBCMA5(PSJHLDFN,PSJORD,1)
.N LINES,TEXT1 S LINES=($G(^TMP("PSJBCMA5",$J,PSJHLDFN,PSJORD))),TEXT1=
$G(^TMP("PSJBCMA5",$J,PSJHLDFN,PSJORD,1))
.Q:LINES<1!(LINES=1&(TEXT1["Instructions too long. See Order View or BCMA for full
text"]))
.K ^TMP("PSJBCMA5",$J,PSJHLDFN,RXORDER) M ^TMP("PSJBCMA5",$J,PSJHLDFN,R
XORDER)=^TMP("PSJBCMA5",$J,PSJHLDFN,PSJORD) K ^TMP("PSJBCMA5",$J,PSJHLDFN,PSJORD)
F QQ=0:0 S QQ=$O(^TMP("PSJBCMA5",$J,PSJHLDFN,RXORDER,QQ)) Q:'QQ D
.I QQ=1 S SEGMENT(0)="NTE|21|L|_"_$ESC^ORHLESC(^TMP("PSJBCMA5",$J,PSJHL
DFN,RXORDER,QQ)) S:$G(PSJBCBU) SEGMENT(0)=SEGMENT(0)_".br\" Q
.S SEGMENT(QQ-1)=$$ESC^ORHLESC(^TMP("PSJBCMA5",$J,PSJHLDFN,RXORDER,QQ))
.I $G(PSJBCBU) S SEGMENT(QQ-1)=SEGMENT(QQ-1)_".br\"
I RXORDER["V",'D(SEGMENT(0)) N OPIHDR S OPIHDR=$D(^PS(55,PSJHLDFN,"IV",+RXORDER,10,0))
I $P(OPIHDR,"^",2),$P(OPIHDR,"^",3) S SEGMENT(0)="NTE|21|L|\"
I D(SEGMENT(0)) D SET^PSJHLU K SEGMENT,^TMP("PSJBCMA5",$J)
;end *267
RXC
;component segments
N ADDITIVE,SOLUTION,SUB,TYPE,AD,SOL,PTR,NUM,UTMP,XTMP
S LIMIT=24 X PSJCLEAR
S FIELD(0)="RXC"
; In the line below, the naked reference refers to the full global reference
represented in PSJORDER_TYPE...
; This could be a reference to either ^PS(53.1 or ^PS(55
S AD="AD",SOL="SOL" F TYPE="AD",SOL S SUB=0 F S SUB=$O(@ (PSJORDER_TYPE_"", "_SUB_"))
Q:SUB="" S NODE1=$G(^ (SUB,0)) Q:NODE1="" D
.S FIELD(1)=$S(TYPE="AD": "A",1: "B")
.I FIELD(1)="A",($P(NODE1,U,3))="" S $P(NODE1,U,3)="A"
.S PTR=+$S(TYPE="AD":+$P($G(^PS(52.6,$P(NODE1,"^"),0)),("^",11),1:+$P($G
(^PS(52.7,$P(NODE1,"^"),0)),("^",11))
.S FIELD(2)="^^^^"_$S($G(PSJBCBU):+$P(NODE1,"^"),1:PTR)_ "^"_$S($G(PSJBCB
U):$S(TYPE="AD":$P($G(^PS(52.6,$P(NODE1,"^"),0)),("^",1):$P($G(^PS(52.7,$P(NODE
1,"^"),0)),("^",1))_"_"_$P($G(^ (0),U,4)),1:$P($G(^PS(50.7,PTR,0)),("^"))

```

```

.S:(TYPE="AD"&$G(PSJBCBU)) FIELD(2)=FIELD(2)_$(P(NODE1,"^",3)]": " BOTTLE:
"_$P(NODE1,"^",3),1:"")
.S FIELD(2)=FIELD(2)^99PSP"
.S FIELD(3)=$P($P(NODE1,"^",2)," ")
.S FIELD(4)=$P($P(NODE1,"^",2)," ",2)
.S FIELD(5)=$P(NODE1,"^",3)
.F XTMP=1:1:14 S UTMP($P("ML^LITER^MCG^MG^GM^UNITS^IU^MEQ^MM^MU^THOU^M
G-PE^NANOGRAM^MMOL","^",XTMP))="PSIV-^XTMP
.S NUM=" S:FIELD(4)'=" NUM=$G(UTMP(FIELD(4)))
.S FIELD(4)="^^^_NUM_^_FIELD(4)^99OTH"
.D SEGMENT^PSJHLU(LIMIT),DISPLAY^PSJHL2
Q
RXR ; med route segment
S LIMIT=4 X PSJCLEAR
S FIELD(0)="RXR"
I PSJORDER["IV" S FIELD(1)="^^^_$P($G(@PSJORDER_.2))","^",3) Q:$P(FIELD(1),U,4)="
D
.N PSJUNITS S PSJUNITS=$S($G(PSJBCBU):$P($G(^PS(51.2,$P(FIELD(1),"^",4
),0)),("^",1:$ESC^ORHLESC($P($G(^PS(51.2,$P(FIELD(1),"^",4),0)),("^"))
).S FIELD(1)=FIELD(1)^_PSJUNITS^99PSR"
.S:$G(PSJBCBU) FIELD(4)="^^^_$P($G(@PSJORDER_0))","^",4)^_CODE
S^PSIVUTL($P($G(@PSJORDER_0))","^",4),55.01,.04)^99PSR"
I PSJORDER[53.1 S FIELD(1)="^^^_$P($G(@PSJORDER_0))","^",3) Q:$P(FIELD(1),U,4)="
D
.N PSJUNITS S PSJUNITS=$S($G(PSJBCBU):$P($G(^PS(51.2,$P(FIELD(1),"^",4
),0)),("^",1:$ESC^ORHLESC($P($G(^PS(51.2,$P(FIELD(1),"^",4),0)),("^"))
).S FIELD(1)=FIELD(1)^_PSJUNITS^99PSR"
.S:$G(PSJBCBU) FIELD(4)="^^^_$P($G(@PSJORDER_0))","^",4)^_CODE
S^PSIVUTL($P($G(@PSJORDER_0))","^",4),53.1,4)^99PSR"
S:FIELD(1)=" FIELD(1)="^^^_$P(NODE1,"^",3)^_$(G(PSJBCBU):$P($G(^
PS(51.2,$P(NODE1,"^",3),0)),("^",1:$ESC^ORHLESC($P($G(^PS(51.2,$P(NODE1,"^",3
),0)),("^")))^99PSR"
D SEGMENT^PSJHLU(LIMIT),DISPLAY^PSJHL2
Q
ZRX ; pharmacy Z-segment
D ZRX^PSJHLU
Q
CNT ;Count dispense drugs for an order
S (CNT,DDNUM)=0 F S DDNUM=$O(@PSJORDER_1,"_DDNUM_")) Q:'DDNUM S CNT=CNT+1
Q
DAOC ;stores drug allergies w/sign/symptoms - psj*5*260
S ORL(1,1)=+ORN_^_PSJDAOC_^_DUZ_^_OCCDT_^3^"
S ORL(1,2)="A Drug-Allergy Reaction exists for this medication and/or class"
D SAVEOC^OROCAPIL(.ORL,.RET)
S DA=$O(RET(1,0)) Q:'DA
S $P(^ORD(100.05,DA,0),"^",2)=6
S ^ORD(100.05,DA,4,0)="100.517PA^1^1"
S ^ORD(100.05,DA,4,1,0)=^TMP("PSODAC", $J,1,0)
S ^ORD(100.05,DA,4,"B", $P(^TMP("PSODAC", $J,1,0),"^"),1)="
;
I $O(^TMP("PSODAC", $J,1,0)) F I=0:0 S I=$O(^TMP("PSODAC", $J,1,I)) Q:'I D
.S ^ORD(100.05,DA,4,1,1,0)="100.5173PA^_I_^_I
.S ^ORD(100.05,DA,4,1,1,I,0)=^TMP("PSODAC", $J,1,I)
.S ^ORD(100.05,DA,4,1,1,"B", ^TMP("PSODAC", $J,1,I),I)="
;
I $O(^TMP("PSODAC", $J,2,0)) S Z=0 F I=0:0 S I=$O(^TMP("PSODAC", $J,2,I)) Q:'I
S Z=Z+1 D
.S ^ORD(100.05,DA,4,1,2,0)="100.5174PA^_Z_^_Z
.S ^ORD(100.05,DA,4,1,2,Z,0)=^TMP("PSODAC", $J,2,I)
.S ^ORD(100.05,DA,4,1,2,"B", ^TMP("PSODAC", $J,2,I),Z)="
;
I $O(^TMP("PSODAC", $J,3,0)) F I=0:0 S I=$O(^TMP("PSODAC", $J,3,I)) Q:'I D
.S ^ORD(100.05,DA,4,1,3,0)="100.5175PA^_I_^_I
.S ^ORD(100.05,DA,4,1,3,I,0)=^TMP("PSODAC", $J,3,I)
.S ^ORD(100.05,DA,4,1,3,"B", ^TMP("PSODAC", $J,3,I),I)="
Q

```

Modified Logic (Changes are in bold)

New Routine

6.2.12.1.1.19 PSJLIFN

Routine Name	PSJLIFN		
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change		
SRS Traceability			
Related Options			
Related Routines	Routines “Called By” ACT+7^PSIVOPT ACT+9^PSIVOPT SHOW1+13^PSIVORC NEWIV+3^PSJCOMR AEEXIT+3^PSJLIAC IV+15^PSJLIFNI EN+13^PSJLIORD EN+14^PSJLIPRF DISACTIO+30^PSJOE	Routines “Called” ^%DT \$\$ENIVUD^PSGOEF1 Q2^PSGS0 ENSTOP^PSIVCAL ENT^PSIVCAL ORDERCHK^PSIVEDRG SAVEDRG^PSIVEDRG EDIT^PSIVEDT OC^PSIVOC 53^PSIVORC1 CKFLDS^PSIVORC1 COMPLTE^PSIVORC1 GTIVDRG^PSIVORC2 GT531^PSIVORFA \$\$GTPCI^PSIVUTL GTOT^PSIVUTL ORDCHK^PSJLIFNI UDVAR^PSJLIORD \$\$SCHREQ^PSJLIVFD HOLDHDR^PSJOE \$\$ENPC^PSJUTL DRGCHK^PSOORDRG EN^VALM PAUSE^VALM1 RE^VALM4	
Data Dictionary References	^PS(51.2 ^PS(52.6 ^PS(52.7 ^PS(53.1 ^PSDRUG(^TMP(\$J		
Related Protocols	N/A		
Related Integration Agreements	^PS(51.2 is supported by DBIA #2178. ^PS(52.6 supported by DBIA #1231. ^PS(52.7 supported by DBIA #2173. ^PSDRUG(is supported by DBIA #2192. ^PSOORDRG is supported by DBIA #2190. ^%DT is supported by DBIA #10003. ^VALM is supported by DBIA #10118. ^VALM1 is supported by DBIA #10116. ^VALM4 is supported by DBIA #10120.		
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local		

Input Attribute Name and Definition	Name: Definition:
Output Attribute Name and Definition	Name: Definition:
Current Logic:	
<pre> PSJLIFN ;BIR/MV-IV FINISH USING LM ;13 Jan 98 / 11:32 AM ;;5.0; INPATIENT MEDICATIONS ;**1,29,34,37,42,47,50,56,94,80,116,110,181,261**;16 DEC 97;Build 47 ; ; Reference to ^PS(51.2 is supported by DBIA #2178. ; Reference to ^PS(52.6 supported by DBIA #1231. ; Reference to ^PS(52.7 supported by DBIA #2173. ; Reference to ^PSDRUG(is supported by DBIA #2192. ; Reference to ^PSOORDRG is supported by DBIA #2190. ; Reference to ^%DT is supported by DBIA #10003. ; Reference to ^VALM is supported by DBIA #10118. ; Reference to ^VALM1 is supported by DBIA #10116. ; Reference to RE^VALM4 is supported by DBIA #10120. ; EN ; Display order with numbers. L +^PS(53.1,+PSJORD):1 I '\$T W !,\$C(7),\$C(7),"This order is being edited by another user. Try later." D PAUSE^VALM1 Q D PENDING K PSJREN L -^PS(53.1,+PSJORD) Q PENDING ; Process pending order. ;* PSIVFN1 is used so it will display the AC/Edit screen ;* instead of go to the "IS this O.K." prompt ;* PSIVACEP only when accept the order. Original screen won't redisp. ;* PSJLMX is defined in WRTDRG^PSIVUTL and it was being call in PSJLIVMD & PSJLIVFD ;* to count # of AD/SOL NEW PSIVFN1,PSIVACEP,PSJLMX,PSIVOI,PSJOCCHK,PSJFNDS K PSJIVBD ;This variable was left over from the new backdoor order entry. ; PSJOCCHK is set so if EDIT was use instead of FN to finish order the OC is triggered S PSJOCCHK=1 ;* PSJFNDS is set so dosing is trigger during finishing without changes to the add/sol S PSJFNDS=1 S PSIVAC="CF" S (P("PON"),ON)=+PSJORD_"P",DFN=PSGP S PSIVUP=+\$GTPCI^PSIVUTL D GT531^PSIVORFA(DFN,ON) D:'\$D(P("OT")) GTOT^PSIVUTL(P(4)) NEW PSJL N PSIVNUM,PSJSTAR S PSIVNUM=1 Q:ON'=PSJORD I \$G(PSJLYN)]"" Q:ON'=PSJLYN S PSJMAI=ON I P("OT")="I" D Q . S PSJSTAR="(5)^(7)^(9)^(10)" . D EN^VALM("PSJ LM IV INPT PENDING") ;; ^PSJLIVMD S PSJSTAR="(1)^(2)^(3)^(5)^(7)^(9)" D GTDATA D EN^VALM("PSJ LM IV PENDING") ;; ^PSJLIVFD K PSJMAI Q ; DISPLAY ; S PSGACT="" S VALMSG="Press Return to continue" D:\$E(P("OT"))="I" EN^VALM("PSJ LM IV INPT DISPLAY") D:\$E(P("OT"))="I" EN^VALM("PSJ LM IV DISPLAY") K PSJDISP S:'\$G(PSJHIS) VALMBCK="" Q GTDATA ; ;* D:P(4)="" 53^PSIVORC1 Q:P(4)="" S P("DTYP")=\$S(P(4)="" :0,P(4)="P"!(P(23)="P")!(P(5)):1,P(4)="H":2,1:3) S P("DTYP")=\$S(P(4)="" :0,P(4)="P"!(P(23)="P")!(P(5)):1,P(4)="H":2,1:3) I 'P(2) D .I P("RES")="R" S PSJREN=1 .D ENT^PSIVCAL K %DT S X=P(2),%DT="RTX" D ^%DT S P(2)=+Y </pre>	

```

I 'P(3) D ENSTOP^PSIVCAL K %DT S X=P(3),%DT="RTX" D ^%DT S P(3)=+Y
I 'P("MR") S P("MR")=$O(^PS(51.2,"B","INTRAVENTOUS",0))_ "^IV"
Q
FINISH ; Prompt for missing data
; * Ord chk for Inpat. pending only. Pend renew should not be checked.
; * PSIVOCON needed so this order will be excluded from the order
; * list(ORDCHK^PSJLMUT1)
; * PSGORQF defined means cancel the order due to order check.
; Q: '$LS^PSSLOCK(DFN,PSJORD)
N PSJCOM,PSIVEDIT S PSJCOM=+$P($G(^PS(53.1,+PSJORD,.2)),",",8)
K PSJIVBD,PSGRDTX,PSIVEDIT
N FIL,PSIVS,DRGOC,PSIVXD,DRGTMP,PSIVOCON,PSGORQF,ON55,NSFF K PSGORQF S NSFF=1
S (ON,PSIVOCON,ON55,PSGORD)=PSJORD Q:PSJORD'=PSJMAI I $G(PSJLYN)]"" Q:PSJORD'=PSJLYN
D UDVAR$^PSJLIORD
I $G(PSJPROT)=3, '$$ENIVUD^PSGOEF1(PSJORD) K NSFF Q
D HOLDHDR^PSJOE
; PRE UAT group requested to not show the second screen since FDB OC has more text and
provider override reason appears after 2nd screen
; force the display of the second screen if CPRS order checks exist
; I $O(^PS(53.1,+PSJORD,12,0))!$O(^PS(53.1,+PSJORD,10,0)) D
; .Q:$G(PSJLMX)=1 ;no second screen to display
; .S VALMBG=16 D RE^VALM4,PAUSE^VALM1 S VALMBG=1
S P("OPI")=$$ENPC^PSJUTL("V",+PSIVUP,60,P("OPI"))
; I $E(P("OT"))="I" D GTDATA Q:P(4)="
; I $E(P("OT"))="I", '$D(DRG("AD")),('$D(DRG("SOL")))) D
I $G(P("RES"))="R" D 53^PSIVORC1
I $G(P(4))]"", $G(P(15))]"", $G(P(9))]"", $$SCHREQ^PSJLIVFD(.P) D
I N PSGS0XT,X,PSJNSS S PSJNSS=1,X=P(9),PSGS0XT=P(15) D Q2^PSGS0
I P(4)=" D RE^VALM4 Q
I $E(P("OT"))="I" D GTDATA D
. I '$D(DRG("AD")),('$D(DRG("SOL")))) S DNE=0 D GTIVDRG^PSIVORC2 S P(3)=" D
ENSTOP^PSIVCAL
S VALMBG=1
I $E(P("OT"))="F" S DNE=0 I $G(PSGORQF) D RE^VALM4 Q
I $G(PSGORQF) S VALMBCK="R",P(4)=" K DRG Q
S PSIVEDIT=""
S PSIVOK="1^3^10^25^26^39^57^58^59^63^64" D CKFLDS^PSIVORC1 I EDIT]" D
EDIT^PSIVEDIT
; S PSIVOK="1^3^10^25^26^39^57^58^59^63^64" D CKFLDS^PSIVORC1 I EDIT]" S PSIVEDIT=EDIT
D EDIT^PSIVEDIT
; I $G(EDIT)=" D OC^PSIVOC D: '$G(PSGORQF) IN^PSJOCDS($G(ON),"IV",") Q:
$G(PSGORQF)
I $D(PSIVEDIT) D OC^PSIVOC
; PSJ*5*261 - Remedy #490875 PSPO 2040
D ENSTOP^PSIVCAL
; D: '$G(PSGORQF) IN^PSJOCDS($G(ON),"IV",")
I $G(PSGORQF) D GT531^PSIVORFA(DFN,ON) Q
I $G(DONE) S VALMBCK="R" Q
; * PSJFNDS is set so dosing is trigger during finishing without changes to the add/sol
; S PSJFNDS=1
D COMPLTE^PSIVORC1
S: $G(PSIVACEP) VALMBCK="Q"
; Reset PSJFNDS so if FN again, the dosing check is triggered.
S: '$G(PSIVACEP) PSJFNDS=1
I $G(PSGORQF) S VALMBG=1 D RE^VALM4
K NSFF
Q
ORDCHK ; * Do order check for Inpatient Meds IV.
; PSGORQF is defined (CONT^PSGSICHK) if not log an intervention
; No longer use after PSJ*5*181
K PSGORQF
Q
; NEW DRGOC
; D OCORD Q: $G(PSGORQF)
; D GTIVDRG^PSIVORC2 S P(3)=" D ENSTOP^PSIVCAL
ORDCHKA ; * Do order check against existing orders on the profile
; No longer use as of PSJ*5*181
Q
F PSIVAS="AD", "SOL" Q: $G(PSGORQF) S FIL=$S(PSIVAS="AD":52.6,1:52.7) D
. F PSIVX=0:0 S PSIVX=$O(DRG(PSIVAS,PSIVX)) Q: 'PSIVX!($G(PSGORQF)) D
.. S DRGTMP=DRG(PSIVAS,PSIVX)

```


OCORD	<pre> .. ;* Do only 1 duplicate warning when order has >1 of the same additive .. Q:\$D(PSJADTMP(+DRGTMP)) .. D ORDERCHK^PSIVEDRG(PSGP,ON,\$D(DRGOC(ON))) .. S DRGOC(ON,PSIVAS,PSIVX)=DRG(PSIVAS,PSIVX) .. S PSJADTMP(+DRGTMP)=" " K PSJADTMP Q ;* Do order check for each drug against the drugs within the order. ;OCORD was called by ORDCHK. This entry point is no longer use as of PSJ*5*181 Q NEW X,Y,DDRUG,PSIVX,PSJAD,PSJSOL,TMPDRG D SAVEDRG^PSIVEDRG(.TMPDRG,.DRG) ; Find the corresponding DD for the additive within the order F X=0:0 S X=\$O(DRG("AD",X)) Q:'X D . S DDRUG=\$P(\$G(^PS(52.6,+DRG("AD",X),0)),U,2) . S:+DDRUG (DDRUG(DDRUG),PSJAD(DDRUG))=\$D(DDRUG(DDRUG))+1 ; ; Find the corresponding DD for the solution ; F X=0:0 S X=\$O(DRG("SOL",X)) Q:'X D . S DDRUG=\$P(\$G(^PS(52.7,+DRG("SOL",X),0)),U,2) . S:+DDRUG (DDRUG(DDRUG),PSJSOL(DDRUG))=\$D(DDRUG(DDRUG))+1 ; ; Loop thru each additive to check for DD,DI & DC against the ; order's dispense drugs ; NEW PSJDFN,INTERVEN S INTERVEN="" S PSJDFN=DFN ;DFN will be killed when call ^PSOORDRG F PSIVX=0:0 S PSIVX=\$O(PSJAD(PSIVX)) Q:'PSIVX D . K DDRUG(PSIVX) D DRGCHK^PSOORDRG(PSJDFN,PSIVX,.DDRUG) . I PSJAD(PSIVX)>1 S ^TMP(\$J,"DD",1,0)=PSIVX_U_\$P(\$G(^PSDRUG(PSIVX,0)),U)"^^_ON_";I" . NEW TYPE F TYPE="DD","DI","DC" D ORDCHK^PSJLIFNI(PSJDFN,TYPE) F PSIVX=0:0 S PSIVX=\$O(PSJSOL(PSIVX)) Q:'PSIVX D . K DDRUG(PSIVX) D DRGCHK^PSOORDRG(PSJDFN,PSIVX,.DDRUG) . NEW TYPE F TYPE="DI" D ORDCHK^PSJLIFNI(PSJDFN,TYPE) S DFN=PSJDFN D SAVEDRG^PSIVEDRG(.DRG,.TMPDRG) Q </pre>
	Modified Logic (Changes are in bold)

6.2.12.1.1.20 PSJOCDC

Routine Name	PSJOCDC		
Enhancement Category	<input type="checkbox"/> New	<input checked="" type="checkbox"/> Modify	<input type="checkbox"/> Delete <input type="checkbox"/> No Change
SRS Traceability	CCR6915		
Related Options			
Related Routines	Routines “Called By”	Routines “Called”	
	PROCLST+7^PSJOCDT	ST4DC^PSGOEC ENDC^PSGOEM SYSL^PSGSETU DC^PSJLIACT DSPORD^PSJOC ^PSJOCVAR RESTORE^PSJOCVAR DC^PSJOE	
Data Dictionary References	^PS(55 ^TMP(“PSJDAOC”		
Related Protocols	N/A		

Related Integration Agreements	^PS(55 is supported by DBIA 2191.
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local
Input Attribute Name and Definition	Name: Definition:
Output Attribute Name and Definition	Name: Definition:
Current Logic:	
<pre> PSJOCDC ;BIR/MV - NEW ORDER CHECKS MISC. ;6 Jun 07 / 3:37 PM ; ;5.0;INPATIENT MEDICATIONS ;**181,260**;16 DEC 97;Build 94 ; ; Reference to ^PS(55 is supported by DBIA 2191. ; DC(PSGP,PSJORD,PSJCLINF) ;DC orders during Duplicate Therapy order checks ;PSGP - Patient DFN ;PSJORD - Order #_u/v/p ;Save local arrays and variables to be restored after DC order(s) Q:'\$D(PSJORD) S PSJDCDTF=1 D ^PSJOCVAR NEW ON S ON=PSJORD I \$\$DSPORD(PSJORD,.PSJCLINF) D DCORD D RESTORE^PSJOCVAR K PSJDCDTF Q DCORD ;DC order according to order type ;PSJOCFLG is used in DC^PSJLIAC so the newly DC order during DT will not redisplay. NEW PSJOCFLG S PSJOCFLG=1 I PSJORD["U" D DCUD Q ; DC pending, active IV and complex orders D DC^PSJLIAC Q DSPORD(PSJORD,PSJCLINF) ;Display the order about to DC and check if the user wish to DC to order ;Returns 1 if continuing with DC the duplicate order. ;Returns 0 if not to DC. ; NEW % D DSPORD^PSJOC(PSJORD,.PSJCLINF) ;DC^PSJOE does the DC prompt I PSJORD["U" Q 1 ASKDC W !,"Enter DC to discontinue the above order or press <RETURN> to continue:" S %=2 D TST4DC^PSGOEC W:%=2 !,"No action taken!" W ! I %=" " D ENDC^PSGOEM W ! G ASKDC I %=1 Q 1 Q 0 DCUD ;DC a U/D order ;Setup necessary variables needed by DC^PSJOE NEW PSGOEWF,PSGSTAT,DIR,PSJDCFLG S PSJDCFLG=1 S PSGSTAT=\$P(\$G(^PS(55,PSGP,5,+PSJORD,0)),U,9) S PSGOEWF="^PS(55,"_PSGP_",5,"_+PSJORD_", " D SYSL^PSGSETU D DC^PSJOE(PSGP,PSJORD) K PSJDCFLG Q </pre>	
Modified Logic (Changes are in bold)	

6.2.12.1.1.21 PSJOCVAR

Routine Name	PSJOCVAR		
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change		
SRS Traceability	CCR6915		
Related Options			
Related Routines	Routines "Called By"	Routines "Called"	
	RESTORE^PSJOCDC	N/A	
Data Dictionary References	^PS(53.45 ^TMP("PSJDAOC" ^TMP("PSJOCVAR" ^TMP("PSJOCVAR_DRG" ^TMP("PSJOCVAR_PS5345" ^TMP("PSJOCVAR_PSJDAOC"		
Related Protocols	N/A		
Related Integration Agreements	N/A		
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local		
Input Attribute Name and Definition	Name: Definition:		
Output Attribute Name and Definition	Name: Definition:		
Current Logic:			
<pre> PSJOCVAR ;BIR/RSB-SAVE/RESTORE VARIABLES FOR OC ;24 Feb 99 / 10:42 AM ; ;5.0;INPATIENT MEDICATIONS ;**16,22,30,58,181**;16 DEC 97;Build 190 ; NEW PSJVAR,PSJVAR1,PSJX ; saves the variables in ^TMP K ^TMP("PSJOCVAR",\$J),^TMP("PSJOCVAR_DRG",\$J),^TMP("PSJOCVAR_PS5345",\$J) F PSJVAR1=1:1 S PSJVAR=\$P(\$T(LIST+PSJVAR1),";",2) Q:PSJVAR="" D .I \$D(@PSJVAR) S:\$D(@PSJVAR)'=10 ^TMP("PSJOCVAR",\$J,PSJVAR)=@PSJVAR I \$D(DRG) MERGE ^TMP("PSJOCVAR_DRG",\$J)=DRG ;save off local array F PSJX="P(", "PSGEFN(", "PSGVADR(", "PSGVALG(", "VADM(", "VAIN(", "VAIP(" D SVARRAY D SAVEPS ; Save the ^PS(53.45,DUZ,2) entry Q SVARRAY ; Save array to ^TMP NEW PSJVARX,X S PSJVARX=PSJX_"X)" S X="" F S X=\$O(@PSJVARX) Q:X="" S ^TMP("PSJOCVAR",\$J,PSJX_\$S(+X=X:X,1:"""_X_""")_")=@PSJVARX Q RESTORE ; restores the variables from ^TMP NEW PSJVAR S PSJVAR="" F S PSJVAR=\$O(^TMP("PSJOCVAR",\$J,PSJVAR)) Q:PSJVAR="" D .S @PSJVAR=^TMP("PSJOCVAR",\$J,PSJVAR) I \$D(^TMP("PSJOCVAR_DRG",\$J)) K DRG MERGE DRG=^TMP("PSJOCVAR_DRG",\$J) K ^TMP("PSJOCVAR",\$J),^TMP("PSJOCVAR_DRG",\$J),^TMP("PSJOCVAR_PS5345",\$J,DUZ) D RESPS ; Restore any saved ^PS(53.45,DUZ,2) and ^PS(53.45,DUZ,4) entries Q </pre>			

Modified Logic (Changes are in bold)

```

PSJOCVAR ;BIR/RSB-SAVE/RESTORE VARIABLES FOR OC ;24 Feb 99 / 10:42 AM
; ;5.0;INPATIENT MEDICATIONS ;**16,22,30,58,181,293**;16 DEC 97;Build 190
;
NEW PSJVAR,PSJVAR1,PSJX
; saves the variables in ^TMP
K ^TMP("PSJOCVAR",$J),^TMP("PSJOCVAR_DRG",$J),^TMP("PSJOCVAR_PS5345",$J),^TMP("PSJOCVAR_PSJDAOC",
,$J)
M ^TMP("PSJOCVAR_PSJDAOC",$J)=^TMP("PSJDAOC",$J) ; used to save data when DC'ing an order
F PSJVAR1=1:1 S PSJVAR=$P($T(LIST+PSJVAR1),";",2) Q:PSJVAR="" D
.I $D(@PSJVAR) S:$D(@PSJVAR)'=10 ^TMP("PSJOCVAR",$J,PSJVAR)=@PSJVAR
I $D(DRG) MERGE ^TMP("PSJOCVAR_DRG",$J)=DRG
;save off local array
F PSJX="P(", "PSGEFN(", "PSGVADR(", "PSGVALG(", "VADM(", "VAIN(", "VAIP(" D SVARRAY
D SAVEPS ; Save the ^PS(53.45,DUZ,2) entry
Q
SVARRAY ; Save array to ^TMP
NEW PSJVARX,X
S PSJVARX=PSJX_"X"
S X="" F S X=$O(@PSJVARX)
Q:X="" S ^TMP("PSJOCVAR",$J,PSJX_$S(+X=X:X,1:"""_X_"""))=@PSJVARX
Q
RESTORE ; restores the variables from ^TMP
NEW PSJVAR
S PSJVAR="" F S PSJVAR=$O(^TMP("PSJOCVAR",$J,PSJVAR)) Q:PSJVAR="" D
.S @PSJVAR=^TMP("PSJOCVAR",$J,PSJVAR)
I $D(^TMP("PSJOCVAR_DRG",$J)) K DRG MERGE DRG=^TMP("PSJOCVAR_DRG",$J)
M ^TMP("PSJDAOC",$J)=^TMP("PSJOCVAR_PSJDAOC",$J) ; PSJ*4*293
K ^TMP("PSJOCVAR",$J),^TMP("PSJOCVAR_DRG",$J),^TMP("PSJOCVAR_PS5345",$J,DUZ),^TMP("PSJOCVAR_PSJ
DAOC",$J)
D RESPS ; Restore any saved ^PS(53.45,DUZ,2) and ^PS(53.45,DUZ,4) entries
Q

```

6.2.12.1.1.22 PSJOE

Routine Name	PSJOE	
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
SRS Traceability	CCR6673, CCR6692, CCR6425	
Related Options		
Related Routines	Routines "Called By"	Routines "Called"
	GTSCRN+1^PSIVEDRG EDIT+4^PSIVEDT 1+3^PSIVEDT 3+3^PSIVEDT 57+4^PSIVEDT 101+3^PSIVEDT A10+2^PSIVEDT1 A25^PSIVEDT1 26+3^PSIVEDT1 A39+2^PSIVEDT1 BEG+1^PSIVORE ENIN+1^PSIVORE ENPR+1^PSIVVN1 START+6^PSJCLOR DC+2^PSJLIACT EDIT1+9^PSJLIACT ACCEPT+1^PSJLIACT R+3^PSJLIACT H=3^PSJLIACT O=3^PSJLIACT	HOME^%ZIS ^DIR EN1^ORCFLAG ENQL^PSGLW ^PSGOD \$\$ENACTION^PSGOE1 H^PSGOE1 ENO^PSGOEC ABORT^PSGOEE ACT^PSGOEE ENF^PSGOEE ENSFE^PSGOEE0 FINISH^PSGOEF START^PSGOEF ENLM^PSGOEL ^PSGOER ^PSGOERI ORSET^PSGOETO1 ENASR^PSGON ENCHK^PSGON

	FINISH+12^PSJLIFN IV+2^PSJLIFNI DCUD+1^PSJOCDC DCUD+7^PSJOCDC OLDCOM+1^PSJOE0	^PSGPER ^PSGPER1E ENCV^PSGSETU ENIVKV^PSGSETU COPY^PSIVOD H^PSIVOPT VF^PSIVORC2 ^PSIVXU ^PSJAC ENIV^PSJAC WP^PSJAC ^PSJHVARs RESTORE^PSJHVARs EN^PSJLIFN EN^PSJLIORD REQDT^PSJLIVMD GETUD^PSJLMGUD INIT^PSJLMUDE \$\$HIDDEN^PSJLMUTL \$\$OINAME^PSJLMUTL DONE^PSJOE LOCKERR^PSJOE OLDCOM^PSJOE0 SELECT^PSJOEA ^PSJP \$\$L^PSSLOCK \$\$LS^PSSLOCK UL^PSSLOCK UNL^PSSLOCK \$\$\$DIMO^SDAMA203 INP^VADPT EN^VALM FULL^VALM1 PAUSE^VALM1 \$\$PATCH^XPDUTL
Data Dictionary References	^DPT(^PS(53.1 ^PS(53.45 ^PS(55 ^TMP("PSJ" ^TMP("PSJCOM" ^TMP("PSJCOM2" ^TMP("PSJON" ^TMP("PSJPRO" ^TMP(\$J	
Related Protocols	N/A	
Related Integration Agreements	^PS(55 is supported by DBIA #2191. EN^VALM is supported by DBIA #10118. FULL^VALM1 and PAUSE^VALM1 is supported by DBIA #10116. ^PSSLOCK is supported by DBIA #2789 ^DPT is supported by DBIA #10035. ^ORCFLAG is supported by DBIA #3620. ^SDAMA203 is supported by DBIA #4133.	

Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local
Input Attribute Name and Definition	Name: Definition:
Output Attribute Name and Definition	Name: Definition:
Current Logic:	
<pre> PSJOE ;BIR/MLM-INPATIENT ORDER ENTRY ;23 Jun 98 / 1:46 PM ;;5.0; INPATIENT MEDICATIONS ;**7,26,29,33,42,50,56,72,58,85,95,80,110, 111,133,140,151,149,181**;16 DEC 97;Build 190 ; ; Reference to ^PS(55 is supported by DBIA #2191. ; Reference to EN^VALM is supported by DBIA #10118. ; Reference to FULL^VALM1 and PAUSE^VALM1 is supported by DBIA #10116. ; Reference to ^PSSLOCK is supported by DBIA #2789 ; Reference to ^DPT is supported by DBIA #10035. ; Reference to ^ORCFLAG is supported by DBIA #3620. ; Reference to ^SDAMA203 is supported by DBIA #4133. ; EN ; Start Inpatient LM OE N PSJLK,PSJNEWOE,PSJLMCON,PSJPROT,XQORS,VALMEVL D ENCV^PSGSETU,^PSIVXU I \$D(XQUIT) K XQUIT G DONE K PSGVBY,PSJPR S (PSJOL,PSJACOK,PSGOP,PSGNEF,PSGOEAV,PSGPXN)=" " L +^PS(53.45,PSJSYSP):1 E D LOCKERR^PSJOE G DONE^PSJOE F S (PSJLMCON,PSGPTMP)=0 D ^PSJP,HK Q:PSGP'>0 S PSJPROT=3,DFN=PSGP D ^PSJAC D I PSJLK D UL^PSSLOCK(PSGP) .K ^TMP("PSJ",\$J) .S PSJLK=\$\$L^PSSLOCK(PSGP,1) I 'PSJLK W !,\$C(7),\$P(PSJLK,U,2) Q .K PSJLMPRO D EN^VALM("PSJ LM BRIEF PATIENT INFO") .N NXTPT S NXTPT=0 F Q:\$G(NXTPT) D ..K PSGRDTX ..I \$G(PSJLMCON)!\$G(PSJNEWOE) D ...S PSJOL=\$S("S,L",[("","_G(PSJOL)_"),":PSJOL,1:"S") ...S PSJLMPRO=1,PSJLMCON=1,PSJNEWOE=0 D EN^VALM("PSJ LM OE") ..I \$G(PSJNEWOE)!(\$G(VALMBCK)="Q") S PSJNEWOE=0 Q ..I \$G(PSJLMCON)&\$G(PSJLMPRO)&'\$D(^TMP("PSJ",\$J)) D Q ...S PSJLMCON=0,PSJLMPRO=0 D EN^VALM("PSJ LM BRIEF PATIENT INFO") ...I \$G(PSJNEWOE) S NXTPT=0 Q ...S NXTPT=1 ..S NXTPT=1,PSJNEWOE=0 .S PSJOL="S" .I \$G(PSGPXN) I \$P(PSJSYSW0,U,29)]"!(\$G(PSJCOM)) S PSGPXPT=PSGP D K P SGPXPT S PSGPXN=0 .N DFN,PSGP,PSJPDXP .I \$P(PSJSYSW0,U,29)=" " S PSJPDXP=1 D ...;N IO,ION,IOS D HOME^%ZIS S \$P(PSJSYSW0,U,29)=+\$G(IOS) ...D HOME^%ZIS S \$P(PSJSYSW0,U,29)=+\$G(IOS) ..S (PSGP,DFN)=PSGPXPT D ^PSGPER S:\$G(PSJPDXP) \$P(PSJSYSW0,U,29)=" " K P SJPDXP .D ENCV^PSGSETU,^PSIVXU K PSJLMPRO,^TMP("PSJPRO",\$J),^TMP("PSJ",\$J),^TMP("PSJON",\$J) DONE ; K PSJEXCPT,PSJOCER,^TMP(\$J,"PSJPRE") K AC,ACTION,D1,D2,MI,N,ON,P3,PNOW,PSIVAT,PSIVLN,PSIVSTR L -^PS(53.45,PSJSYSP) K DA,DRG,NE,PSGCF,PSGCANFL,PSGNEDFD,PSGNEF,PSGNEFD,PSGNEPR,PSGNESD,PSJA COK,PSJOE,PSJOECNT,PSJOEPF,PSJORD,PSGOEA,PSGOEAV,PSGOL,PSGOS,PSGON,PSGOP,PSGORD, PSGS0XT,PSGS0Y,RCT,ST,WD,XREF,Z,PSJIVORF,PSJIVPCL K PSGOEORF,PSIVREA,PSJOPC,PSJORL,PSJORPCL,PSJORTOI,RF,WSCHADM,PSJLM,PSJCT K DIU,DRGI,FLAG,FQC,ND2,PRI,PSGOE,PSGPRI,PSGSDN,PSGOEDMR,PSGOEPR,PSGPTS ,PSGTOL,PSGT00,PSGUOW,PSJIVOF,PSJOCNT,PSJON,PSJORQF,PSJORTOU,PSJORVP G:\$G(PSGPXN) ^PSGPER1 D ENIVKV^PSGSETU Q HK ; Housekeeping (a nice COBOL term) I PSGOP,PSGOP'=PSGP D .N PSJACFF,PSJACNWP,PSJPWD,PSJSYSL,PSJSYSW,PSJSYSW0,DFN,VAIN,VAERR S DF </pre>	

```

N=PSGOP
.D INP^VADPT S PSJPWD=+VAIN(4) I PSJPWD S PSJACPF=10 D WP^PSJAC D:$P(PSJSYSL,"^",2)]"
ENQL^PSGLW
Q:PSGP<0
S (DFN,PSGOP)=PSGP,X=""
Q
SELECT ; Select order from list
;Variable PSJOCDSC is used in Complex order dosing checks
N PSGLMT,PSGODDD,PSJLMQT,PSJLMFIN,PSJUDPRF,PSGRDTX,PSJOCDSC K ^TMP("PSJ
COM",$J),^TMP("PSJCOM2",$J)
S PSGONC=1,PSGLMT=^TMP("PSJPRO",$J,0) D ENASR^PSGON
I "^"[X S VALMQUIT=1 Q
S PSJLM=1,PSJSEL=0 F S PSJSEL=$O(PSGODDD(PSJSEL)) Q:'PSJSEL!($G(Y)<0)
F PSJSEL1=1:1:$L(PSGODDD(PSJSEL),"")-1 D
.K PSJOCDSC
.S PSJORD=$G(^TMP("PSJON",$J,+P(PSGODDD(PSJSEL),"",PSJSEL1))) D:PSJOR
D=+PSJORD SELECT^PSJOEA Q:PSJORD="!"($G(Y)<0) Q:PSJORD=+PSJORD D
..Q:('$SLS^PSSLOCK(PSGP,PSJORD))
..Q:PSJORD=+PSJORD
..S PSGORD=""
..D DISACTIO(PSGP,PSJORD,"") S:PSJORD["V" PSJORD=ON
..D UNL^PSSLOCK(PSGP,PSJORD) Q:$G(Y)<0
S VALMBCK="Q"
K PSJLM,PSJOCDSC
Q
DISACTIO(DFN,PSJORD,PSJPNV) ; Display UD order and allow actions.
; PSJORD - Order #_location Code (P:53.1,V:55.01,U:55.06)
; PSJPNV - Invoked from Pending/NV option; (gets different hidden menu)
N PSGP,PSJIVFLG,PSGSDX,PSGFDX,PSJXX1,ON55
D OLDCOM^PSJOE0(DFN,PSJORD)
S PSGP=DFN D ENIV^PSJAC I PSJORD["V" D EN^PSJLIORD(DFN,PSJORD) Q
D GETUD^PSJLMGUD(DFN,PSJORD)
S PSGOEAV=$P(PSJSYSP0,"^",9)&PSJSYSU
S:$G(PSJTUD) PSGPD=$G(PSJCOI),PSGPDN=$$OINAME^PSJLMUTL(+PSGPD)
K PSGOENG I '$D(PSGPRF) D Q:$G(PSGOENG)
.I PSJORD["U" L +^PS(55,PSGP,5,+PSJORD):1 E S PSGOENG=1
.I PSJORD["P" L +^PS(53.1,+PSJORD):1 E S PSGOENG=1
.I $G(PSGOENG) W !,"This order is being edited by another terminal.",!
S PSGOENG=1 K DIR S DIR(0)="E" D ^DIR K DIR Q
S PSGACT=$$ENACTION^PSGOE1(PSGP,PSJORD)
I PSJORD["P" S PSJXX1=$G(^PS(53.1,+PSJORD,0)) I PSGP=$P(PSJXX1,U,15)!
DFN'=$P(PSJXX1,U,15)) L -^PS(53.1,+PSJORD) Q
I PSJORD["P" D S PSJXX1=$P($G(^PS(53.1,+PSJORD,0)),U,9) I $$S($G(PSJIV
LG):1,$G(Y)<0:1,"PADE"[PSJXX1:1,1:0) L -^PS(53.1,+PSJORD) Q
.I $P(PSJXX1,U,9)="N",($P(PSJXX1,U,4)="U") D Q
.. S P("PON")=PSJORD,PSIVFLG=1
.. N ON S ON=PSJORD D VF^PSIVORC2
.I $P(PSJXX1,U,9)="P" D Q
..S:$G(PSJTUD) $P(PSJXX1,U,4)="U"
..I $P(PSJXX1,U,4)="U" D Q:$G(PSJIVFLG)
... N VAIP S CLINIC=$G(^PS(53.1,+PSJORD,"DSS")),APPT=$P(CLINIC,"^",2),
CLINIC=$P(CLINIC,"^") I $$PATCH^XPDUTL("SD*5.3*285"),$$SDIMO^SDAMA203(CLINIC,DFN)
>-1 Q
... Q:'PSJPDD W !,"Cannot process an Out-patient Unit Dose order for
", $P($G(^DPT(+PSGP,0)),U) D PAUSE^VALM1 S PSJIVFLG=1
..NEW PSGRSD,PSGRSDN,PSGRFD,PSGRFDN
..D REQDT^PSJLIVMD(PSJORD)
..I $P(PSJXX1,U,4)="U",($G(PSGSCH)="") W !,"Invalid schedule, can't finish this order"
D PAUSE^VALM1 Q
..I $P(PSJXX1,U,4)="U" N PSJLM S PSJLM=1,PSGORD=PSJORD D START^PSGOEF,E
NSFE^PSGOEE0(PSGP,PSGORD),@$S($G(PSJTUD):"FINISH^PSGOEF",1:"EN^VALM("PSJ LM PENDING EDIT")) Q
..I $P(PSJXX1,U,4)="U",PSGP=$P(PSJXX1,U,15),DFN=$P(PSJXX1,U,15) S PSJL
YN=PSJORD D EN^PSJLIFN S PSJIVFLG=1 K PSJLYN,PSJMAI
I $G(PSIVFLG) K PSIVFLG Q
S PSGACT=$$ENACTION^PSGOE1(PSGP,PSJORD),PSGOEEF=0 D GETUD^PSJLMGUD(PSGP
,PSJORD),ENSFE^PSGOEE0(PSGP,PSJORD),EN^VALM("PSJ LM UD ACTION")
I PSJORD["P" L -^PS(53.1,+PSJORD)
I PSJORD["U" L -^PS(55,PSGP,5,+PSJORD)
;Send SN to CPRS if auto-verify OFF and Order Set Entry and no 21st piece
S PSGOEAV=$P(PSJSYSP0,"^",9)&PSJSYSU
I $D(PSGOES),'PSGOEAV,$D(PSGORD),PSGORD["P", $P($G(^PS(53.1,+PSGORD,0)),"^",21)']" D

```

```

ORSET^PSGOETO1
    D UNL^PSSLOCK(PSGP,PSJORD)
    Q
EDIT(PSGP,PSGORD,PROMPT) ;
    I "DE"[$$GTSTATUS(PSGP,PSGORD) W !,"This order may not be edited." D PAUSE^
VALM1 Q
    I PSGACT'["E" W !,"This order may not be edited." D PAUSE^VALM1 Q
    S PSGNEDFD="" D HOLDHDR,@$( 'PROMPT:"ENEFA2^PSGON",1:"ENEFA^PSGON") I 'Y D ABORT^PSGOEE
Q
    I PSGORD["P" D ENF^PSGOEE Q
    D ACT^PSGOEE
    Q
RENEW(PSGP,PSGORD) ;
    D HOLDHDR
    I 'PSJSYSU,$P($G(^PS(55,PSGP,5,+PSGORD,4)),U,15),$P($G(^PS(55,PSGP,5,+PSGORD,4)),U,16) W !,"This order is
already marked for renewal!" D PAUSE^VALM1 S VALMBCK="R" Q
    I 'PSGRRF D ^PSGOER Q
    D ^PSGOERI
    Q
GTSTATUS(DFN,ON) ;
    I ON["P" Q $P($G(^PS(53.1,+ON,0)),U,9)
    I ON["U" Q $P($G(^PS(55,DFN,5,+ON,0)),U,9)
    Q $P($G(^PS(55,DFN,"IV",+ON,0)),U,17)
DC(DFN,PSJORD) ; DC IV, UD, or pending orders.
    D HOLDHDR
    S X=$$GTSTATUS(DFN,PSJORD) I X="D"!(X="DE")!(X="R") W !,$S(X="R":"This
order has a pending renewal and cannot be DISCONTINUED.",1:"This order has already been
DISCONTINUED.") D PAUSE^VALM1 Q
    D ENO^PSGOEC(DFN,PSJORD) ;,GETUD^PSJLMGUD(DFN,PSJORD),INIT^PSJLMUDE(DFN
,PSJORD) S VALMBCK="Q"
    S VALMBCK="Q"
    Q
HOLD(DFN,PSJORD) ; Change order's status from ACTIVE<->HOLD
    D HOLDHDR
    I PSJORD["V" D H^PSIVOPT(DFN,PSJORD,P(17),P(3))
    I PSJORD["V" D H^PSGOEL(DFN,PSJORD)
    D GETUD^PSJLMGUD(DFN,PSJORD),INIT^PSJLMUDE(DFN,PSJORD) S PSGACT=$$ENACT
ION^PSGOEL(DFN,PSJORD),VALMBCK="R"
    Q
COPY(PSGP,PSGORD) ; Copy an order (does not discontinue original order)
    I $D(PSGCOPY) W !,"You cannot copy the order at this time" D PAUSE^VAL
M1 Q
    I PSGORD["P" W !,"You cannot copy this "_$S($G(PSGSTAT))":PSGSTAT,1:"PENDING IV")_
order." D PAUSE^VALM1 Q
    I PSGORD["V" D Q
    .I $G(PSIVCOPY) W !,"You cannot copy the order at this time" D PAUSE^VALM1 Q
    .D COPY^PSIVOD(PSGP,PSGORD) Q
    Q:'$$HIDDEN^PSJLMUTL("COPY")
    D ^PSJHVAR
    I $P($G(^PS(55,PSGP,5,+PSGORD,.2)),U,4)="D", '$P($G(^PS(55,PSGP,5,+PSGORD,.2)),U,3) W !,"Nurse verified
orders with a priority of DONE may not be Copied." D PAUSE^VALM1 Q
    S PSGOEAV=$P(PSJSYSP0,U,9)&PSJSYSU
    S PSGCOPY=1
    D FULL^VALM1,^PSGOD
    S VALMBCK="R"
    K PSGCOPY
    S PSGACT=$$ENACTION^PSGOEL(PSGP,PSGORD) ; resets PSGACT after copy
    I $G(PSGPXN) N PSGTMPXN S PSGTMPXN=PSGPXN
    D RESTORE^PSJHVAR I $G(PSGTMPXN) S PSGPXN=PSGTMPXN
    Q
UPDATE ; Refresh array, actions, & display.
    D GETUD^PSJLMGUD(DFN,ON),INIT^PSJLMUDE(DFN,ON) S VALMBCK="R"
    Q
FINISH ;
    D FINISH^PSGOEF,PAUSE^VALM1
    Q
LOG(DFN,PSGORD) ;
    D FULL^VALM1,ENLM^PSGOEL(DFN,PSGORD),PAUSE^VALM1 S VALMBCK="R"
    Q
NEWSEL ;
    N PSGLMT,PSGODDD,PSJLMQT,PSJLMFIN,PSJUDPRF,PSGRDXTX,PSJOCDSK K ^TMP("PSJ

```


<pre> COM", \$J), ^TMP("PSJCOM2", \$J) S X=\$P(XQORNOD(0), "=", 2) S PSGONC=1, PSGMT=^TMP("PSJPRO", \$J, 0) D ENCHK^PSGON I '\$O(PSGODDD(0)) S VALMQUIT=1 Q S PSJLM=1, PSJSEL=0 F S PSJSEL=\$O(PSGODDD(PSJSEL)) Q:'PSJSEL F PSJSEL1 =1:1:\$L(PSGODDD(PSJSEL), ",")-1 D .K PSJOCDC .S PSJORD=\$G(^TMP("PSJON", \$J, +\$P(PSGODDD(PSJSEL), ", ", PSJSEL1))) D:PSJOR D=+PSJORD SELECT^PSJOEA .Q:PSJORD=+PSJORD .Q:PSJORD="!"(\$G(Y)<0) Q:('\$LS^PSSLOCK(PSGP, PSJORD)) D ..S PSGORD="" ..S ON=PSJORD ..D DISACTIO(PSGP, PSJORD, \$G(PSJPNV)) S:PSJORD["V" PSJORD=ON ..D UNL^PSSLOCK(PSGP, PSJORD) ..I \$G(PSJNOL) K PSJNOL I \$D(ON), ON'=PSJORD D UNL^PSSLOCK(PSGP, ON) ..Q:\$G(Y)<0 S VALMBCK="Q" K PSJLM, PSJOCDC Q HOLDHDR ; Freeze header text while processing order actions I \$D(VALM("TM")) S IOTM=VALM("TM"), IOBM=IOSL W IOSC W @IOSTBM W IORC Q LOCKERR ; W !!,\$C(7), "You are entering or editing an Inpatient Medication order in another session.", !, "Only one order entry/edit session is allowed for a user at a time.", !! N DIR S DIR(0)="E" D ^DIR Q FLAG(DFN, PSJORD) ; Flag order through CPRS entry point. N ORIFN, NODE0 S NODE0=\$S(PSJORD["V":\$G(^PS(55, DFN, "IV", +PSJORD, 0)), PSJORD["U":\$G(^PS(55, DFN, 5, +PSJORD, 0)), 1:\$PS(53.1, +PSJORD, 0)) S ORIFN=\$P(NODE0, "^", 21) D EN1^ORCFLAG(ORIFN) D PAUSE^VALM1 Q COMPLEX(DFN, ON) ; N NDP2, COM S NDP2=\$S(ON["P":\$G(^PS(53.1, +ON, .2)), ON["U":\$G(^PS(55, DFN, 5, +ON, .2)), O N["V":\$G(^PS(55, DFN, "IV", +ON, .2)), 1:""] S COM=\$P(NDP2, "^", 8) I COM Q 1 Q 0 </pre>	
Modified Logic (Changes are in bold)	

6.2.12.1.1.23 PSJOE1

Routine Name	PSJOE1		
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change		
SRS Traceability			
Related Options			
Related Routines	Routines “Called By”	Routines “Called”	
	LMNEW+9^PSJOE0	YN^DICN \$\$ENDDD^PSGMI \$\$ENDTC^PSGMI \$\$ENNP^PSGMI ^PSGOE1 ^PSGOE3 ^PSGOE4 ^PSGOE7	

		CHKDD^PSGOEE EDIT^PSGOEE GTSTATUS^PSGOEE ENNOU^PSGOEE0 ENSFE^PSGOEE0 ^PSGOES ^PSGOETO CHK^PSGOEV EN^PSGPEN ENDDC^PSGSICHK GETUD^PSJLMGUD INIT^PSJLMUDE \$\$OINAME^PSJLMUTL \$\$DD53P45^PSJMISC IN^PSJOCDS \$\$ENNOO^PSJUTL5 EN^VALM FULL^VALM1
Data Dictionary References	N/A	
Related Protocols	N/A	
Related Integration Agreements	^DICN is supported by DBIA# 10009 ^VALM is supported by DBIA# 10118	
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	Name: Definition:	
Output Attribute Name and Definition	Name: Definition:	
Current Logic:		
<pre>PSJOE1 ;BIR/CML3-UD OE FOR COMBINED OE ;29 JAN 99 / 9:44 AM ;;5.0; INPATIENT MEDICATIONS ;**2,7,25,30,47,56,64,179,181**;16 DEC 97;Build 190 ; ; Reference to ^DICN is supported by DBIA# 10009 ; Reference to ^VALM is supported by DBIA# 10118 ; S PC=0 G AD ; EN ; S PC=0 ; AD ; Ask Drug N PSJNORD,PSGORQF,PSGSDX,PSGFDX,PSGNEFDO,PSGEDTOI S PSJNORD=1 I \$D(VALM("TM")) S IOTM=VALM("TM"),IOBM=IOSL W IOSC,@IOSTBM,IORC K PSGORQF D ^PSGOE7 I \$G(PSGORQF) S PSJORQF=1 G DONE S PC=1,PSJORQF=0 I X?1"S."1.E D ^PSGOES G AD D ^PSGOE4:'\$P(PSJSYSP0,"^",12),^PSGOE3:\$P(PSJSYSP0,"^",12) G:\$G(PSGOROE1)=1 AD K PSGEFN,PSGOEEF,PSGOEE,PSGOEOS S PSGEFN="1:13" F X=1:1:13 S PSGEFN(X)=" " S PSGPDN=\$\$OINAME^PSJLMUTL(PSGPDNG),PSGPD=PSGPDNG,PSGOINST="",PSGSDN=\$\$ ENDD^PSGMI(PSGNESD)_U_\$ENDTC^PSGMI(PSGNESD),PSGFDN=\$\$ENDD^PSGMI(PSGNEFD)_U_\$EN DTC^PSGMI(PSGNEFD) S PSGAT=PSGS0Y,PSGLIN=\$\$ENDD^PSGMI(PSGDT)_U_\$ENDTC^PSGMI(PSGDT),PSGLI= PSGDT,PSGEBN=\$\$ENNP^PSGMI(DUZ),PSGSTAT=\$\$(PSGOEAV:"ACTIVE",1:"NON-VERIFIED") D CHK^PSGOEV("^^"_PSGMR_"^^^"_PSGST,PSGPDRG_U_PSGDO,PSGSCH_U_PSGNESD_"^^"_PSGNEFD) S PSGSD=PSGNESD,PSGFD=PSGNEFD</pre>		

```

K PSJACEPT S VALMBCK="Q" D:$D(Y) EN^VALM("PSJU LM ACCEPT")
I $G(PSJACEPT)=1 D
. D OC
. ;D:'$G(PSGORQF) IN^PSJOCDS($G(PSGORD),"UD",+$G(PSGDRG))
;If intervention is not log then quit
I $G(PSGORQF)=1 S PSJACEPT=0
S PSJNOO=-1 I $G(PSJACEPT)=1 S PSJNOO=$$ENNOO^PSJUTL5("N")
I $G(PSJNOO)<0 K PSJACEPT W !,"No order created." G AD
K PSGOEE D ^PSGOETO S PSJORD=PSGORD I PSGOEA D G AD
.I 'D(PSGOEE),+PSJSYSU=3 D EN^PSGPEN(PSGORD)
S PSGOEEF=0 D GETUD^PSJLMGUD(PSGP,PSGORD),ENSFE^PSGOEE0(PSGP,PSGORD),^P
SGOE1,EN^VALM("PSJ LM UD ACTION")
G AD
Q
OC
;
NEW PSJDD,PSJALLGY,PSJALGY1
K PSGORQF
D FULL^VALM1
S PSJDD=+$DD53P45^PSJMISC() I 'PSJDD S PSGORQF=1 Q
I +$G(PSGEDTOI) D
. S PSJALGY1=1
. D ENDDC^PSGSICHK($G(PSGP),PSJDD)
D:'$G(PSGORQF) IN^PSJOCDS($G(PSGORD),"UD",PSJDD)
Q
EDIT(PROMPT) ;
; Edit fields in a UD order.
; PROMPT=0 - Select fields to edit by number.
; PROMPT=1 - Prompt to select fields for editing.
;
;* D @$S('PROMPT:"ENEFA2^PSGON",1:"ENEFA^PSGON") Q:'Y S PSGOEEG=3 D ED
IT^PSGOEE ;$S(PSGOEEWF[53.1:3,1:5] D:Y EDIT^PSGOEE
D @$S('PROMPT:"ENEFA2^PSGON",1:"ENEFA^PSGON") Q:'Y S:$G(PSJNEWOE) PSGO
EEWF="^PS(53.1," S PSGOEEG=$S('$D(PSGOEEWF):3,PSGOEEWF[53.1:3,1:5] D EDIT^PSGOEE
I $G(PSJNEWOE) S PSGOEEENO=0,DR="",VALMBCK="R"
I '$G(PSJNEWOE) D ENNOU^PSGOEE0 I 'PSGOEEENO,DR="" S VALMBCK="R" Q
I 'PSGOEEENO,$D(PSGOES) D ENNOU^PSGOEE0 ; only update on order sets
;*179 No longer call CKDT^PSGOEE from here.
;I 'PSGOEEENO,$G(PSGPDNX)=1 D CKDT^PSGOEE
I $G(PSGOEEER)[101^PSGOEE8" S PSGEDTOI=1
K VALMSG I PSGOEEENO D
.S VALMSG="This change will cause a new order to be created." D GTSTATU
S^PSGOEE,CHKDD^PSGOEE
.S PSGEEN=$$ENPNP^PSGMI(DUZ),PSGLIN=$$ENDD^PSGMI(PSGDT)_U_$$ENDTC^PSGMI
(PSGDT),PSGLI=PSGDT
D CHK^PSGOEV("^_PSGMR_"^"^_PSGST,PSGPD RG_U_PSGDO,PSGSCH_U_PSGSD_"^"_PSGFD)
D INIT^PSJLMUDE(PSGP,$G(PSGORD))
Q
DONE
;
K %,DA,DIC,DIE,DR,DRG,DRGN,DRGO,ND,OC,ORIFN,ORIT,ORPK,ORSTOP,ORSTRT,ORS
TS,ORTX,PC,PSGDO,PSGMR,PSGMRN,PSGNEDFD,PSGNEFD,PSGNESD,PSGOES,PSGOROE1,PSGORD,PS
GS0XT,PSGS0Y,PSGSCH,PSGSI,PSGX,Y,Z Q
K PSGEDTOI
;
GDO
;
W !,"Drug is not found in Formulary List." F S %=1 W !,"Would you like to try to
search the list again" D YN^DICN Q:% D TAM
Q:%<2
FTD
;
R !,"Enter FREE TEXT DRUG: ",PSGDRGN:DTIME E W $C(7) S PSGDRGN="^" Q
Q:"^[PSGDRGN S X=$S(PSGDRGN'?.ANP:"Control character(s)",PSGDRGN["^":"Up-arrow ('^')
in text",$_L(PSGDRGN)>39:"Response longer than 39 characters",1:"") I X]" W $C(7)," ?",! ?2,
"(",X," not allowed.)" G FTD
Q:PSGDRGN'?1."?"
W ! ?2,"ENTER DRUG ORDERED (1-39 CHARACTERS).",! ?2,"Since the drug cannot be found in
the DRUG file, enter the drug name here",!,"exactly as ordered. Press the RETURN key (or enter
an '^') to skip over this",!,"drug, or to again search the"
W " DRUG file for this one." G FTD
;
TAM
; Try Again Message
W !," Enter a 'Y' to try again to find the drug ordered from the Formulary.
(The",!,"order cannot become active until a Formulary drug has been entered.) Enter 'N'",!,"to

```

enter the drug ordered as free text for later reference." W " Enter '^' to exit.",! Q
Modified Logic (Changes are in bold)

6.2.12.1.1.24 PSJUTL

Routine Name	PSJMUTL		
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change		
SRS Traceability			
Related Options			
Related Routines	Routines "Called By"	Routines "Called"	
	N/A	^ZIS ^%ZISC ^%ZTLOAD ^DIR ^GMRADPT ^ORRDI1 ^PSIVUTL	
Data Dictionary References	^PS(52.7 ^TMP("PSJALL" ^TMP(\$J ^XTMP("ORRDI"		
Related Protocols	N/A		
Related Integration Agreements	^PS(52.7 is supported by DBIA 2173. ^ORRDI1 is supported by DBIA 4651. ^XTMP("ORRDI" supported by DBIA 4660. ^GMRADPT supported by DBIA 10099.		
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local		
Input Attribute Name and Definition	Name: Definition:		
Output Attribute Name and Definition	Name: Definition:		
Current Logic:			
<pre> ; PSJMUTL ;BIR/MV-UTILITY USE FOR QUEUING... ;25 Nov 98 / 9:13 AM ;;5.0; INPATIENT MEDICATIONS ;**8,21,31,160**;16 DEC 97;Build 12 ; References to ^PS(52.7 supported by DBIA #2173 ; Reference to ^ORRDI1 is supported by DBIA 4659 ; Reference to ^XTMP("ORRDI" is supported by DBIA 4660 ; Reference to ^GMRADPT supported by DBIA #10099 SELDEV() ;*** Ask for device type for report to output to *** K IOP,%ZIS,POP,IO("Q") S %ZIS("A")="Select output device: ",%ZIS("B")="",%ZIS="Q" D ^%ZIS S PSJSTOP=\$S(POP:1,1:0) I POP W !,"** No device selected or Report printed ***" D EXIT Q \$G(PSJSTOP) ; SETSORTQ(XDESC,XSAVE,ZTRTN) ;Queue to sort. D SETDEV^PSJMUTL(X,Y) N I,X K IO("Q"),ZTSAVE,ZTDTH,ZTSK S ZTDESC=XDESC,PSGIO=ION,ZTIO="" </pre>			

```

S PSGIODOC="" I $G(IO("DOC"))]" S PSGIODOC=IO("DOC")
F I=1:1 S X=$P(XSAVE,";",I) Q:X="" S ZTSAVE(X)=""
D ^%ZTLOAD
Q
;
SETPRTQ(XDESC,XSAVE,ZTRTN) ;Queue to printer. D SETPRTQ^PSJMTL(X,Y)
N I,X
S ZTIO=PSGIO,ZTDESC=XDESC,ZTDTH=$H,%ZIS="QN",IOP=PSGIO
I $G(PSGIODOC)]" S ZTIO=ZTIO_";"_PSGIODOC
F I=1:1 S X=$P(XSAVE,";",I) Q:X="" S ZTSAVE(X)=""
D ^%ZIS,^%ZTLOAD
Q
;
EXITDEV ;
I $E(IOST)="C",(' $G(PSJSTOP)) K DIR W ! S DIR(0)="EA",DIR("A")="Press Return to
continue..." D ^DIR
S:$D(ZTQUEUED) ZTREQ="@ "
S IOP="HOME" D ^%ZISC
Q
;
PRTCHK(PGCT) ;
I $E(IOST)="C",PGCT K DIR W ! S DIR(0)="E" D ^DIR S:'Y PSJSTOP=1
I $D(ZTQUEUED),$S^%ZTLOAD S (ZSTOP,PSJSTOP)=1
I $G(PSJSTOP) W !!?20,"...Report stopped at user request..." K DIR S DIR
(0)="EA",DIR("A")="Press Return to continue..." D ^DIR
Q $G(PSJSTOP)
;
EXIT ;
K %,%H,%I,%ZIS,ZTDESC,ZTDTH,ZTIO,ZTSAVE,ZTRTN
W:$E(IOST)="C"&($Y) @IOF
S:$D(ZTQUEUED) ZTREQ="@ "
S IOP="HOME" D ^%ZISC
Q
ATS(REG,EXP,LN) ;
;*** Split allergies and adverse reactions from the allergy package.
;*** INPUT ***
;*** REG - the length the allergies and adv. reactions display on 1 pg.
;*** EXP - the length that will display on extra page.
;*** LN - for MAR, allergies and reactions are display on 1 line.
; - for Profile, display allergies and reactions on separate ln.
;*** OUTPUT ***
;*** PSGALG - Allergies array.
;*** PSGADR - Adverse Reactions array.
;**** rlw - 1/16/96 added PSGVALG for verified allergies and PSGVADR for verified
adverse reactions.
GETGMRA ;
N GMRA,GMRAL,GMRANKA,GMRAOTH,LEN,X,Y,TYPE,NAME,Sort,ALG,VALG,ADR,VADR,ALGCT,
VALGCT,ADRCT,VADRCT,VERIFIED
K PSGADR,PSGALG,PSGVADR,PSGVALG
S (VALGCT,ALGCT,VADRCT,ADRCT,PSGVALG,PSGALG,PSGVADR,PSGADR)=0,(PSGVALG(
1),PSGALG(1),PSGVADR(1),PSGADR(1))=""
S:'$G(DFN)&$G(PSGP) DFN=PSGP
S:'$G(PSGP)&$G(DFN) PSGP=DFN
S GMRA="0^0^111",DFN=PSGP D ^GMRADPT
I $G(PSJWHERE)="PSJLMUTL" S PSJGMRAL=GMRAL Q:(GMRAL="")!(GMRAL=0)
I GMRAL="" S:$E(IOST)="P" (PSGVALG,PSGALG,PSGVADR,PSGADR)=20,$P(PSGALG(
1),"_",20)=" ",(PSGVALG(1),PSGADR(1),PSGVADR(1))=PSGALG(1) Q
I GMRAL=0 S (PSGVALG,PSGALG)=3,(PSGALG(1),PSGVALG(1))="NKA" S:$E(IOST)="P"
PSGADR=20,$P(PSGADR(1),"_",20)=" ",PSGVADR=20,PSGVADR(1)=PSGADR(1) Q
;
SORT ;*** Set up the allergies and adv. reactions arrays.
F X=0:0 S X=$O(GMRAL(X)) Q:X S TYPE=$P(GMRAL(X),U,5),NAME=$P(GMRAL(X)
,U,2),VERIFIED=$P(GMRAL(X),U,4) D
.S SORT=$P(GMRAL(X),U,7),SORT=$S(SORT="D":1,SORT="DF":2,SORT="DFO":3,SORT
="DO":4,SORT="F":5,SORT="FO":6,1:7)
.S:(TYPE=0)&(VERIFIED=1) PSGVALG=PSGVALG+$L(NAME),VALGCT=VALGCT+1,VALG(SORT_NAME)=" "
.S:(TYPE=0)&(VERIFIED=0) PSGALG=PSGALG+$L(NAME),ALGCT=ALGCT+1,ALG(SORT_NAME)=" "
.S:(TYPE>0)&(VERIFIED=0) PSGADR=PSGADR+$L(NAME),ADRCT=ADRCT+1,ADR(SORT_NAME)=" "
.S:(TYPE>0)&(VERIFIED=1) PSGVADR=PSGVADR+$L(NAME),VADRCT=VADRCT+1,VADR(SORT_NAME)=" "
;
CALLEN ;*** Calculate the total length for allergy and adv.reaction arrays.

```

```

S:VALGCT>1 PSGVALG=PSGVALG+((VALGCT-1)*2) S:$E(IOST)="P"&'PSGVALG PSGVA
LG=20,$P(PSGVALG(1),"_",20)=" "
S:ALGCT>1 PSGALG=PSGALG+((ALGCT-1)*2) S:$E(IOST)="P"&'PSGALG PSGALG=20,
$P(PSGALG(1),"_",20)=" "
S:VADRCT>1 PSGVADR=PSGVADR+((VADRCT-1)*2) S:$E(IOST)="P"&'PSGVADR PSGVA
DR=20,$P(PSGVADR(1),"_",20)=" "
S:ADRCT>1 PSGADR=PSGADR+((ADRCT-1)*2) S:$E(IOST)="P"&'PSGADR PSGADR=20,
$P(PSGADR(1),"_",20)=" "
S (VALGCT,ALGCT,VADRCT,ADRCT)=1
S:LN=1 LEN=$S((PSGALG+PSGVALG+PSGADR+PSGVADR)>REG:EXP,1:REG)
S:LN>1 LEN=$S($S(PSGALG>REG:1,PSGADR>REG:1,PSGVALG>REG:1,PSGVADR>REG:1,1:0):EXP,1:REG)
;
SETARRAY ;*** Concatenate allergies and adv. reaction together into display len.
S (X,Y)=" " F S X=$O(VALG(X)) Q:X=" " S:LEN'>($L(Y)+$L(X)+1) PSGVALG(VA
LGCT)=Y_"",Y=" ",VALGCT=VALGCT+1 S:Y]" " Y=Y_"", " S Y=Y_$E(X,2,$L(X))
S:$G(PSGVALG(VALGCT))=" " PSGVALG(VALGCT)=Y
S (X,Y)=" " F S X=$O(ALG(X)) Q:X=" " S:LEN'>($L(Y)+$L(X)+1) PSGALG(ALGC
T)=Y_"",Y=" ",ALGCT=ALGCT+1 S:Y]" " Y=Y_"", " S Y=Y_$E(X,2,$L(X))
S:$G(PSGALG(ALGCT))=" " PSGALG(ALGCT)=Y
S (X,Y)=" " F S X=$O(ADR(X)) Q:X=" " S:LEN'>($L(Y)+$L(X)+1) PSGADR(ADRC
T)=Y_"",Y=" ",ADRCT=ADRCT+1 S:Y]" " Y=Y_"", " S Y=Y_$E(X,2,$L(X))
S:$G(PSGADR(ADRCT))=" " PSGADR(ADRCT)=Y
S (X,Y)=" " F S X=$O(VADR(X)) Q:X=" " S:LEN'>($L(Y)+$L(X)+1) PSGVADR(VA
DRCT)=Y_"",Y=" ",VADRCT=VADRCT+1 S:Y]" " Y=Y_"", " S Y=Y_$E(X,2,$L(X))
S:$G(PSGVADR(VADRCT))=" " PSGVADR(VADRCT)=Y
Q
;
NAMENEED(DRGX,LEN,NEED) ;*** Return the number of lines needed.
;*
;* DRG - AD/SOL LEN - Drug name length NEED - line needed
;*
S NEED=0
F X=0:0 S X=$O(DRG(DRGX,X)) Q:'X D NAME^PSIVUTL(DRG(DRGX,X),LEN,.NAME,1) S
NEED=NEED+$S($G(NAME(2))]"":2,1:1) I DRGX="SOL",$P(^PS(52.7,+DRG(DRGX,X),0),U,4)]" S
NEED=NEED+1
Q
RAD
;
I $T(HAVEHDR^ORRDI1)]]" " Q
I '$$HAVEHDR^ORRDI1 Q
S PSGRALG=1,PSGRALG(1)="No remote data available"
I $D(^XTMP("ORRDI","OUTAGE INFO","DOWN")) G REMOTE2
I $T(GET^ORRDI1)]]" " D GET^ORRDI1(DFN,"ART") D
. N S1,REAC,A,FILE,LEN K ^TMP($J,"PSJART")
. S S1=0,LEN=57,PSGRALG=1,PSGRALG(1)=" " F S S1=$O(^XTMP("ORRDI","ART",DFN,S1))
Q:'S1 D
. . S A=$G(^XTMP("ORRDI","ART",DFN,S1,"REACTANT",0)),REAC=$P(A,"^",2),
FILE=$P($P(A,"^",3),"99VA",2)
. . I FILE'=50.6,FILE'=120.82,FILE'=50.605,FILE'=50.416 Q
. . S ^TMP($J,"PSJART",REAC)=" "
. S REAC=" " F S REAC=$O(^TMP($J,"PSJART",REAC)) Q:REAC=" " D
. . I $L(PSGRALG(PSGRALG))+L(REAC)<LEN S PSGRALG(PSGRALG)=PSGRALG(PSGRALG)_REAC_"", " Q
. . S PSGRALG=PSGRALG+1,PSGRALG(PSGRALG)=" " _REAC_"", " ,LEN=77
. S A=$L(PSGRALG(PSGRALG)) I $E(PSGRALG(PSGRALG),A-1,A)="", " S PSGRALG(
PSGRALG)=$E(PSGRALG(PSGRALG),1,A-2)
REMOTE2
;
S ^TMP("PSJALL",$J,PSJLN,0)=" Remote: "_$G(PSGRALG(1)),PSJLN=PSJLN+1
F I=2:1:PSGRALG S ^TMP("PSJALL",$J,PSJLN,0)=PSGRALG(I),PSJLN=PSJLN+1
Q
Q

```

Modified Logic (Changes are in bold)

New Routine

6.2.12.1.1.25 PSJNEW01

Routine Name	PSJNEW01			
Enhancement Category	<input checked="" type="checkbox"/> New	<input type="checkbox"/> Modify	<input type="checkbox"/> Delete	<input type="checkbox"/> No Change
SRS Traceability				

Related Options		
Related Routines	Routines “Called By”	Routines “Called”
	ACT+4^PSJNEWOC ACT+12^PSJNEWOC ACT+13^PSJNEWOC ACT+14^PSJNEWOC ACT+15^PSJNEWOC	SAVOC^OROCAP11 \$\$NOW^XLFDT
Data Dictionary References	^ORD(100.05 ^PS(53.1 ^PS(55 ^TMP(“PSJDAOC”	
Related Protocols	N/A	
Related Integration Agreements	SAVEOC4^OROCAP11 supported by DBIA 5729 ^ORD(100.05, supported by DBIA 573	
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	Name: Definition:	
Output Attribute Name and Definition	Name: Definition:	
Current Logic:		
New Routine		
Modified Logic (Changes are in bold)		
New Routine		

6.2.12.1.1.26 PSJNEWOC

Routine Name	PSJNEWOC		
Enhancement Category	<input checked="" type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change		
SRS Traceability			
Related Options			
Related Routines	Routines “Called By”	Routines “Called”	
	ACCEPT+5^PSGOEF SPEED+6^PSGOER R1+29^PSIVOPT2 EN1+12^PSJHL3	SAVOC^OROCAP11 DERROR^PSJNEW01 DEXEC^PSJNEW01 DMSG^PSJNEW01 NODSYS^PSJNEW01 NORDI^PSJNEW01 \$\$NOW^XLFDT	
Data Dictionary References	^ORD(100.05 ^PS(53.1 ^PS(55 ^TMP(“PSJDAOC” ^TMP(“PSODAOC” ^XTMP(“ORRDI”		
Related Protocols	N/A		

Related Integration Agreements	SAVEOC4^OROCAP11 is supported by DBIA 5729 ^ORD(100.05, is supported by DBIA 5731
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local
Input Attribute Name and Definition	Name: Definition:
Output Attribute Name and Definition	Name: Definition:
Current Logic:	
New Routine	
Modified Logic (Changes are in bold)	
New Routine	

6.2.12.1.1.27 PSJOC

Routine Name	PSJOC	
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
SRS Traceability		
Related Options		
Related Routines	Routines "Called By"	Routines "Called"
	DDOC+5^PSGOE82 ENDDC+8^PSGSICHK ENDDC+9^PSGSICHK 58+13^PSIVEDT OC+15^PSIVOC DSPORD+5^PSJOCDC DSPDRG+6^PSJOCDI DSPOC+11^PSJOCDT PROCLST+7^PSJOCDT SYS+5^PSJOCERR	CLNDISP^PSJCLNOC EN^PSJGMRA DSPORDU^PSJLMUT1 DSPORDV^PSJLMUT1 PAUSE^PSJLMUT1 WRITE^PSJMISC DI^PSJOCDI DT^PSJOCDT DTDGCK^PSJOCDT \$\$SYS^PSJOCERR DSPERR^PSJOCERR CPRS^PSJOCOR BLD^PSODDPR4 IN^PSSHRQ2 FULL^VALM1
Data Dictionary References	^TMP("PSJDAOC" ^TMP(\$J	
Related Protocols	N/A	
Related Integration Agreements	^PSODDPR4 is supported by DBIA# 5366. ^PSSHRQ2 is supported by DBIA# 5369	
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	Name: Definition:	
Output Attribute Name and Definition	Name: Definition:	

Current Logic:

```
PSJOC      ;BIR/MV - NEW ORDER CHECKS DRIVER ;6 Jun 07 / 3:37 PM
           ;;5.0;INPATIENT MEDICATIONS ;**181,260**;16 DEC 97;Build 94
           ;
           ; Reference to ^PSODDPR4 is supported by DBIA# 5366.
           ; Reference to ^PSSHRQ2 is supported by DBIA# 5369.
           ;
OC(PSPDRG,PSJPTYP) ;
           ;PSPDRG - Drug array in format of PDRG(n)=IEN (#50) ^ Drug Name
           ;Where n is a sequential number. The Drug Name can be OI, Generic name form #50, or
Add/Sol name
           ;PSJPTYP - P1 ; P2
           ; Where P1 is "I" for Inpatient, "O" for Outpatient
           ; P2 is the Inpatient Order Number (for PSJ use only)
           ;PSJOCERR(DRUG NAME)="Reason text". Where Drug Name can be either OI name or AD/SOL
name.
           NEW PSJOCERR
           ;Quit OC if FDB link is down. PSGORQF is defined if user wish to stop the order
process
           I $$$SYS^PSJOCERR() Q
           ;
           I $D(PSJDGCK) W !,"Building MEDS profile please wait...",<!--
           D BLD^PSODDPR4(DFN,"PSJPRE",.PSPDRG,PSJPTYP)
           D DISPLAY
           K ^TMP($J,"PSJPRE")
           Q
DISPLAY    ;
           NEW PSJPAUSE,PSJOLDSV,PSJDNM,PSJMON,PSJOC,PSJOCDT,PSJOCDTL,PSJOCLST,PSJ
P,PSJS,PSJPON,PSJDN,PSJSEV,PSJECNT
           D GMRAOC
           Q: '$DSPSERR()
           D FULL^VALM1
           W @IOF,"Now Processing Enhanced Order Checks! Please wait...",<!--
           ; If there are no OC or errors to display, this var will trigger a pause before
continue   /w the order
           S PSJPAUSE=1
           D DRUGERR
           I $D(PSJDGCK) W: '$D(^TMP($J,"PSJPRE","OUT","DRUGDRUG"))&'$D(^TMP($J,"PS
JPRE","OUT","THERAPY",1)) !,"No Order Check Warnings Found",<!--
           ;Process drug interaction & drug interception
           D DI^PSJOCDI
           Q:$G(PSGORQF)
           D DSPERR^PSJOCERR("DRUGDRUG")
           ;Process duplicate therapy order checks
           D: '$D(PSJDGCK) DT^PSJOCDT
           I $D(PSJDGCK) D: $D(^TMP($J,"PSJPRE","OUT","THERAPY")) DTDGCK^PSJOCDT
           D: '$G(PSGORQF) DSPERR^PSJOCERR("THERAPY")
           I $D(PSJDGCK), '$D(^TMP($J,"PSJPRE","OUT","THERAPY")) D PAUSE^PSJLMUT1 Q
           ;DX action
           Q:$G(PSGORQF)
           D: $G(PSJPAUSE) PAUSE^PSJLMUT1
           Q
           ;
GMRAOC     ;Display allergy & CPRS OC regardless if FDB is connected
           D ALLERGY
           D CPRS^PSJOCOR(.PSPDRG)
           Q
ALLERGY    ;Do allergy order check
           ;The allergy check will be processed for each of the dispense drug stores in the
PSJALLGY array
           ;PSJALLGY(X)=" Where X is the disp drug IEN. PSJALLGY array store all dispense drugs
use in an order
           ;
           I '$D(PSJDGCK) D
           .NEW PSJDD
           .F PSJDD=0:0 S PSJDD=$O(PSJALLGY(PSJDD)) Q: 'PSJDD D EN^PSJGMRA(DFN,PSJDD)
           I $D(PSJDGCK) D
           .S PSJXX="" S PSJYY=1
           .F S PSJXX=$O(^TMP($J,"PSJPRE","IN","PROSPECTIVE",PSJXX)) Q: PSJXX="" D
           ..S PSJALLGY(PSJYY,$P(^TMP($J,"PSJPRE","IN","PROSPECTIVE",PSJXX),U,3))=""
```

```

..S PSJYY=PSJYY+1
.F PSJDD=0:0 S PSJDD=$O(PSJALLGY(PSJDD)) Q:'PSJDD F PSJCC=0:0 S PSJCC=
$O(PSJALLGY(PSJDD,PSJCC)) Q:'PSJCC D EN^PSJGMRA(DFN,PSJCC)
K PSJXX,PSJYY,PSJDD,PSJCC,PSJALLGY
Q
DSPORD(ON,PSJNLST,PSJCLINF) ;Display the order data
;ON - ON_U/V/P ex: 21V
;PSJNLST - It's number list and also use to trigger pg break, line break
NEW PSJCOL,PSJX,PSJOC,PSJLINE,X
Q:ON=""
S:'$D(PSJCLINF) PSJCLINF="";0"
S PSJLINE=1,PSJCOL=1
I $P(PSJCLINF,";",2) D CLNDISP^PSJCLNOC(.PSJCLINF) D Q
.I $G(PSJNLST)="" , (($Y+6)>IOSL) D PAUSE^PSJLMUT1 W @IOF
I ON["V" D DSPLORDU^PSJLMUT1(DFN,ON)
I ON["V" D DSPLORDV^PSJLMUT1(DFN,ON)
F PSJX=0:0 S PSJX=$O(PSJOC(ON,PSJX)) Q:'PSJX D
.I $G(PSJNLST)="" , (($Y+6)>IOSL) D PAUSE^PSJLMUT1 W @IOF
.W !
.I $G(PSJNLST) W:(PSJX=1) PSJNLST W:(PSJX>1) ?$L(PSJNLST)
.S X=PSJOC(ON,PSJX)
.W $E(X,9,$L(X))
W !
Q
;
DRUGERR ;Display drug level errors
NEW PSJPON,PSJN,PSJNV,PSJDSPFG,PSJPERR,PSJX
;Only display the exceptions once per patient.
;PSJEXCPT(PSJDNM_REASON) - Array for invalid drugs that already display to once within
a pt selection
S PSJDSPFG=0
S PSJPERR=$$PROSPERR()
S PSJPON="" F S PSJPON=$O(^TMP($J,"PSJPRE","OUT","EXCEPTIONS",PSJPON))
Q:PSJPON="" D
.F PSJN=0:0 S PSJN=$O(^TMP($J,"PSJPRE","OUT","EXCEPTIONS",PSJPON,PSJN)) Q:'PSJN D
.. S PSJNV=$G(^TMP($J,"PSJPRE","OUT","EXCEPTIONS",PSJPON,PSJN))
.. I ($P(PSJPON,";",3)="PROSPECTIVE") S PSJX='$$ERRCHK("PROSPECTIVE",$P
(PSJNV,U,3)_$P(PSJNV,U,10))
.. I PSJPERR,($P(PSJPON,";",3)="PROFILE") Q
.. I ($P(PSJPON,";",3)="PROFILE"),'$$ERRCHK("PROFILE",$P(PSJNV,U,3)_$P(PSJNV,U,10)) Q
.. D DSPDRGER()
I PSJDSPFG D PAUSE^PSJLMUT1 W @IOF
Q
DSPDRGER(PSJDSFLG) ;
NEW PSJTXT
S PSJTXT=$P(PSJNV,U,7)
S X="Enhanced Order Checks cannot "
I $G(PSJDSFLG),($P(PSJTXT,X) S PSJTXT="Dosing Checks could not "_$P(PSJTXT,X,2)
S PSJDSPFG=1
K PSJPAUSE
I ($Y+6)>IOSL D PAUSE^PSJLMUT1 W @IOF
W !
D WRITE^PSJMISC(PSJTXT,,79)
D:$P(PSJNV,U,10)]"" WRITE^PSJMISC("Reason: "_$P(PSJNV,U,10),3,79)
W !
Q
ERRCHK(PSJTYPE,PSJX) ;
;PSJTYPE - Either "PROFILE" or "PROSPECTIVE"
;PSJX - Drug name_Error reason
;Return 1 if this error drug has not displayed to the user.
I $G(PSJX)="" Q 0
I $G(PSJTYPE)="" Q 0
I PSJTYPE="PROFILE", '$D(PSJEXCPT(PSJTYPE,PSJX)) S PSJEXCPT(PSJTYPE,PSJX)="" Q 1
I PSJTYPE="PROSPECTIVE", '$D(PSJEXCPT(PSJTYPE,PSJX)) S PSJEXCPT(PSJTYPE,PSJX)="" Q 1
Q 0
PING(PSJMSG) ;Check if FDB is down. Return 0 if it is
;pass in a message to customize the display
S ^TMP($J,"PSJPRE","IN","PING")=""
D IN^PSSHRQ2("PSJPRE")
Q $$DSPSERR($G(PSJMSG))
DSPSERR(PSJMSG) ;Display system errors

```

<pre> NEW X S X=\$G(^TMP(\$J,"PSJPRE","OUT",0)) I \$P(X,U)=-1 D NOFDB(\$P(X,U,2),\$G(PSJMSG)) Q \$S(\$P(X,U)=-1:0,1:1) NOFDB(PSJX,PSJMSG) ;Display connection down message Q:\$G(PSJX)="" I \$G(PSJMSG)]"" W !,"No dosing checks can be performed" I \$G(PSJMSG)="" W !,"No Enhanced Order Checks can be performed." W !," Reason: ",PSJX,!! K PSJX Q PROSPERR() ;Return 1 if only prospective exception should be displayed. NEW PSJPERR,PSJPON S PSJPERR=1 ;If all prospectives are caught in the exception then display them only and omit the profile drugs S PSJPON="" F S PSJPON=\$O(^TMP(\$J,"PSJPRE","IN","PROSPECTIVE",PSJPON)) Q:PSJPON="" Q:'PSJPERR D . I \$D(^TMP(\$J,"PSJPRE","OUT","EXCEPTIONS",PSJPON)) Q . S PSJPERR=0 Q PSJPERR </pre>
Modified Logic (Changes are in bold)
New Routine

6.2.12.1.1.28 PSJOCDI

Routine Name	PSJOCDI	
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
SRS Traceability		
Related Options		
Related Routines	Routines “Called By”	Routines “Called”
	DISPLAY+11^PSJOC	DISPCLN^PSJCLNOC INTERV^PSJGMRA RINTERV^PSJGMRA \$\$GENVUID^PSJMISC \$\$VAGEN^PSJMISC LINE^PSJMISC PAUSE^PSJMISC WRITE^PSJMISC NON^PSJMON DSPORD^PSJOC EN^PSODRDU2
Data Dictionary References	^TMP(“PSJDAOC” ^TMP(\$J	
Related Protocols	N/A	
Related Integration Agreements	^PSODRDU2 is supported by DBIA #2189	
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	Name: Definition:	

Output Attribute Name and Definition	Name: Definition:
Current Logic:	
<pre> PSJOCDI ;BIR/MV - DISPLAY DRUG INTERACTION ORDER CHECKS ;6 Jun 07 / 3:37 PM ;;5.0;INPATIENT MEDICATIONS ;**181,260**;16 DEC 97;Build 94 ; Reference to ^PSODRDU2 is supported by DBIA #2189 ; DI ; NEW PSJDND,PSJDNM,PSJMON,PSJOCLST,PSJPON,PSJSEV,PSJHDR,PSJRDI,PSJ2,PSJON FLG,PSJCRTCL,PSJSORT,PSJGROUP,PSJCLINF,PSJDXOPT ;If interception occurred, display message to user ; ;Store VUID from Remote data in PSJRDI(PSJON)=VUID. D RDIVUID S PSJ2=0 ;Loop through drug drug order checks output S PSJSEV="" F S PSJSEV=\$O(^TMP(\$J,"PSJPRE","OUT","DRUGDRUG",PSJSEV)) Q :PSJSEV="!"(\$G(PSGORQF)) D . S PSJDND="" F S PSJDND=\$O(^TMP(\$J,"PSJPRE","OUT","DRUGDRUG",PSJSEV,PSJDND)) Q:PSJDND="!"(\$G(PSGORQF)) D .. S PSJPON="" F S PSJPON=\$O(^TMP(\$J,"PSJPRE","OUT","DRUGDRUG",PSJSEV,PSJDND,PSJPON)) Q:PSJPON="!"(\$G(PSGORQF)) D ... S PSJCLINF="",PSJDXOPT=\$S(\$G(PSJDGCK):"PROSPECTIVE",1:"PROFILE") ... S PSJCLINF="",PSJCLINF=\$P(\$G(^TMP(\$J,"PSJPRE","IN",PSJDXOPT,PSJPON)), "^",7) ... F PSJDND=0:0 S PSJDND=\$O(^TMP(\$J,"PSJPRE","OUT","DRUGDRUG",PSJSEV,PSJ DNM,PSJPON,PSJDND)) Q:PSJDND(\$G(PSGORQF)) D SORTORD I \$O(PSJOCLST(""))="" Q D CRITICAL D DSPLOC I \$D(^TMP(\$J,"PSJPRE","OUT","DRUGDRUG","S")) D . W !,"*** REFER TO MONOGRAPH FOR SIGNIFICANT INTERACTION CLINICAL FFECTS",! D LINE^PSJMISC("=",81) W ! D MON^PSJMON(.PSJMON) D:\$G(PSJONFLG)&('SD(PSJDGCK)) INTERV Q DSPLOC ;Display drug drug interaction - sorted by severity, prospective drug (50,.01), profile drug (VAgen name), package, seq# NEW PSJDND,PSJDNDV,PSJPON,PSJP,PSJX,X,PSJXSEV,PSJXNM,PSJXNM1,PSJXSORT,PSJ XDN,PSJSORT,PSJPSPEC,PSJPROFL,PSJ2,PSJSEV,PSJHDRS,PSJDSPON,PSJCLINF ; K PSJPAUSE ;Get the last drug in the sort list so a '=' line is printed instead of '.' S PSJLINE=".",PSJHDRS="" S PSJXSEV=\$O(PSJOCLST(""),-1) S PSJXNM=\$O(PSJOCLST(PSJXSEV,""),-1) S PSJXNM1=\$O(PSJOCLST(PSJXSEV,PSJXNM,""),-1) S PSJXSORT=\$O(PSJOCLST(PSJXSEV,PSJXNM,PSJXNM1,""),-1) S PSJXDN=\$O(PSJOCLST(PSJXSEV,PSJXNM,PSJXNM1,PSJXSORT,""),-1) ; ;S PSJSEV="" F S PSJSEV=\$O(PSJOCLST(PSJSEV)) Q:PSJSEV="" D ;Displaying Critical orders S PSJSEV="C" I \$D(PSJCRTCL) D LINE^PSJMISC("=",81) F PSJSORT=0:0 S PSJSORT=\$O(PSJCRTCL(PSJSORT)) Q:PSJSORT D . F PSJGROUP=0:0 S PSJGROUP=\$O(PSJCRTCL(PSJSORT,PSJGROUP)) Q:PSJGROUP D .. S X=\$G(PSJCRTCL(PSJSORT,PSJGROUP)) .. D DSPCRTL(\$P(X,U),\$P(X,U,2)) ;Displaying Significant orders K PSJDSPON S PSJSEV="S" S PSJPSPEC="" F S PSJPSPEC=\$O(PSJOCLST(PSJSEV,PSJPSPEC)) Q:PSJPSPEC="" D . D LINE^PSJMISC("=",81) . F PSJSORT=0:0 S PSJSORT=\$O(PSJOCLST(PSJSEV,PSJPSPEC,PSJSORT)) Q:PSJSORT D .. F PSJ2=0:0 S PSJ2=\$O(PSJOCLST(PSJSEV,PSJPSPEC,PSJSORT,PSJ2)) Q:PSJ2 D ... S PSJDNDV=PSJOCLST(PSJSEV,PSJPSPEC,PSJSORT,PSJ2) ... D DISPON . W ! </pre>	

```

Q
DSPCRTCL(PSJPSPEC,PSJPROFL) ;Display Critical orders
NEW PSJSORT,PSJ2
Q:$G(PSJPSPEC)=" "
Q:$G(PSJPROFL)=" "
F PSJSORT=0:0 S PSJSORT=$O(PSJOCLST("C",PSJPSPEC,PSJPROFL,PSJSORT)) Q:'PSJSORT D
. F PSJ2=0:0 S PSJ2=$O(PSJOCLST("C",PSJPSPEC,PSJPROFL,PSJSORT,PSJ2)) Q:'PSJ2 D
.. S PSJDNV=PSJOCLST("C",PSJPSPEC,PSJPROFL,PSJSORT,PSJ2)
.. D DISPON
Q
DISPON ; Display orders & clin effects if applied.
F X=1:1:11 S PSJP(X)=$P(PSJDNV,U,X)
S PSJCLINF=$P(PSJDNV,U,12)
I ($G(PSJHDR)'=$P(PSJDNV,U,3))!(PSJHDRS'=PSJSEV) S PSJHDR=$P(PSJDNV,U,3
),PSJHDRS=PSJSEV K PSJDSPON D HDR(PSJHDR)
I ($Y+8)>IOSL D PAUSE^PSJMISC(1,0) W @IOF
I PSJSORT=10 D
. S PSJONFLG=1
. I $P(PSJCLINF,";",2) D DISPCLN^PSJCLNOC(.PSJP,PSJCLINF) Q
. D DSPDRG(PSJP(4),$P(PSJDNV,U,2),PSJCLINF)
I ($Y+6)>IOSL D PAUSE^PSJMISC(1,0) W @IOF
I PSJSORT>10 S PSJONFLG=1 D
. I $D(PSJDSPON(PSJP(4))) Q
. S PSJDSPON(PSJP(4))=""
. I $P($P(PSJDNV,U,12),";",2) D DISPCLN^PSJCLNOC(.PSJP,PSJCLINF) Q
. D EN^PSODRDU2(DFN,PSJP(4),"PSJPRE")
I ($Y+6)>IOSL D PAUSE^PSJMISC(1,0) W @IOF
DISPON2 ;
I PSJSEV=PSJXSEV,(PSJPSPEC=PSJXNM),(PSJSORT=PSJXSORT),(PSJ2=PSJXDN) S PSJLINE=""
I PSJSEV="C",$$DSPCLIN(PSJ2) D CLIN(PSJP(5),PSJP(2),PSJP(4),PSJP(1),PSJLINE)
I ($Y+6)>IOSL D PAUSE^PSJMISC() W @IOF
Q
SORTORD ;Sort drug drug output to display in order of: Inpatient, Active Rx, Remote Rx, Pending
Rx, Non_VA
NEW PDJDNV,PSJX
S PSJDNV=$G(^TMP($J,"PSJPRE","OUT","DRUGDRUG",PSJSEV,PSJDNM,PSJPON,PSJDN))
I $E(PSJPON,1,1)'="I" D
. S PSJX=$E($P(PSJPON,";",1),1,1)
. D OCLST($S(PSJX["C":10,PSJX["O":20,PSJX["R":30,PSJX["P":40,PSJX["N":5
0,1:""),PSJCLINF)
I $E(PSJPON,1,1)="I" D OCLST(10,PSJCLINF)
Q
OCLST(PSJ1,PSJCLINF) ;Sort orders into array to display later
;PSJOCLST(PSJSEV("C",PSJPSPEC,PSJPROFL,PSJ1-package,PSJ2)=P1...P6 (P1=SEQ NO, P2=Drug
Name(Profile), P3=Drug Name(Prospective)
; (P4=Pharm order#,P5=Severity, P6=P3 IEN)
;PSJOCLST(PSJSEV("S",PSJPSPEC,PSJ1-package,PSJ2)=P1...P12 (P1=SEQ NO, P
2=Drug Name(Profile), P3=Drug Name(Prospective), P12=PSJCLINF
; (P4=Pharm order#,P5=Severity, P6=P3 IEN)
;PSJSEV: Sort first by severity
;PSJ1: 10=PSJ Order
; 20=PSO Active Rx
; 30=Remote Rx
; 40=PSO pending
; 50=Non-VA
;PSJ2: A counter
NEW PSJDNV,PSJMONTI,PSJMONV,PSJVAGEN,PSJON1,PSJON2,PSJONFG,PSJPSPEC,PSJPROFL
Q:$G(PSJ1)
S PSJ2=$G(PSJ2)+1
S PSJDNV=$G(^TMP($J,"PSJPRE","OUT","DRUGDRUG",PSJSEV,PSJDNM,PSJPON,PSJDN))
S PSJPSPEC=$P(PSJDNV,U,4) S:PSJPSPEC="" PSJPSPEC="UNKNOWN DRUG NAME"
; Criticals are grouped by profile VAGEN name and then package type
I PSJSEV="C" D
. S PSJVAGEN=$$VAGEN^PSJMISC(+$P(PSJDNV,U,3)) I PSJVAGEN="" S PSJVAGEN=PSJDNM
. S PSJOCLST(PSJSEV,PSJPSPEC,PSJVAGEN,PSJ1,PSJ2)=PSJDN_U_$G(PSJDNM)_U_$
P(PSJDNV,U,4)_U_PSJPON_U_PSJSEV_U_$P(PSJDNV,U,2)_^^^^^^_PSJCLINF
; Significants are grouped by package type so Inpatient orders display first
I PSJSEV="S" D
. S PSJOCLST(PSJSEV,PSJPSPEC,PSJ1,PSJ2)=PSJDN_U_$G(PSJDNM)_U_$P(PSJDNV,
U,4)_U_PSJPON_U_PSJSEV_U_$P(PSJDNV,U,2)_^^^^^^_PSJCLINF
S PSJMONTI=$G(^TMP($J,"PSJPRE","OUT","DRUGDRUG",PSJSEV,PSJDNM,PSJPON,PSJDN,"PMON",3,0))

```

```

S PSJMONTI=$P(PSJMONTI,"MONOGRAPH TITLE: ",2) Q:PSJMONTI=""
S PSJVAGEN=$$VAGEN^PSJMISC(+$P(PSJDNV,U,3))
I PSJVAGEN="" ,'+$P(PSJDNV,U,3) S PSJVAGEN=$$GENUID^PSJMISC($G(PSJRDI(PSJPON)))
Q:PSJVAGEN=""
S PSJVAGEN=PSJVAGEN_"+"_$P(PSJDNV,U,4)
S PSJMONV=$G(PSJMON(PSJVAGEN,PSJMONTI))
I PSJMONV]"" D
. S $P(PSJMON(PSJVAGEN,PSJMONTI),U,1,7)=PSJDN_U_$G(PSJDNM)_U_+$P(PSJDNV
,U,3)_U_$P(PSJDNV,U,4)_U_+$P(PSJDNV,U,2)_U_PSPON_U_PJSEV
. S $P(PSJMON(PSJVAGEN,PSJMONTI),U,11)=PSJVAGEN
I PSJMONV]"" D
. I $P(PSJMONV,U,7)'=PSJSEV S $P(PSJMON(PSJVAGEN,PSJMONTI),U,9)=1
. S PSJONFG=0
. S PSJON1=$P($P(PSJMONV,U,6),";")
. S PSJON2=$P(PSPON,";")
. I PSJON1="I",PSJON2="I" S PSJONFG=1
. I PSJON1'="I",PSJON2="I" S PSJONFG=1
. I PSJONFG S $P(PSJMON(PSJVAGEN,PSJMONTI),U,10)=1
K PSJON1,PSJON2,PSJONFG
Q
CLIN(PSJSEV,PSJDNM,PSJPON,PSJDN,PSJLINE) ;
;No longer need to display the clinical effect for Significant
Q:PSJSEV="S"
NEW PSJCLINV,PSJX
I $G(PSJLINE)=" S PSJLINE="."
S PSJCLINV=$G(^TMP($J,"PSJPRE","OUT","DRUGDRUG",PSJSEV,PSJDNM,PSJPON,PSJDN,"CLIN"))
W !
S PSJX=$P(PSJCLINV,"CLINICAL EFFECTS: ",2) I ($Y+($L(PSJX)\65)+4)>IOSL
D PAUSE^PSJMISC(1,0) W @IOF
D WRITE^PSJMISC(PSJX)
W !
I ($Y+8)>IOSL D PAUSE^PSJMISC(0,0) W @IOF
Q
INTERV ;Log intervention. Required for Critical.
;Critical interaction MUST log an intervention before continue with the order
;Only log one intervention for a prospective drug & log it for the higher severity
NEW PSJSEV,PSJDD,PSJDN,PSJNDV,PSJTYPE,PSJINTVD,PSJPROFL
K PSJDDSV,PSJINTVD
;Required intervention for each of the prospective drug with critical interactions
F PSJSEV="C" Q:$G(PSGORQF) S PSJPSPEC="" F S PSJPSPEC=$O(PSJOCLST(PSJSEV,PSJPSPEC))
Q:PSJPSPEC="" D
. S PSJPROFL="" F S PSJPROFL=$O(PSJOCLST(PSJSEV,PSJPSPEC,PSJPROFL)) Q:PSJPROFL="" D
.. F PSJTYPE=0:0 S PSJTYPE=$O(PSJOCLST(PSJSEV,PSJPSPEC,PSJPROFL,PSJTYPE)) Q:'PSJTYPE D
... F PSJDN=0:0 S PSJDN=$O(PSJOCLST(PSJSEV,PSJPSPEC,PSJPROFL,PSJTYPE,PSJDN)) Q:'PSJDN
Q:$G(PSGORQF) D
.... S PSJNDV=$G(PSJOCLST(PSJSEV,PSJPSPEC,PSJPROFL,PSJTYPE,PSJDN)),PSJDD
D=$P(PSJNDV,U,6)
.... ;I ($P($P(PSJNDV,U,4),";",1)="I"),('$D(PSJINTVD($P(PSJNDV,U,3)))) D
.... I '$D(PSJINTVD($P(PSJNDV,U,3))) D
..... S (PSJINTVD($P(PSJNDV,U,3)))=""
..... D:'$D(PSJDGCK) RINTERV^PSJGMRA("CRITICAL DRUG INTERACTION",$P(PSJNDV,U,3))
;
; Optional intervention for each of the prospective drug(not the same as critical) with
significant interactions
F PSJSEV="S" Q:$G(PSGORQF) S PSJPSPEC="" F S PSJPSPEC=$O(PSJOCLST(PSJSEV,PSJPSPEC))
Q:PSJPSPEC="" D
. F PSJTYPE=0:0 S PSJTYPE=$O(PSJOCLST(PSJSEV,PSJPSPEC,PSJTYPE)) Q:'PSJTYPE D
.. F PSJDN=0:0 S PSJDN=$O(PSJOCLST(PSJSEV,PSJPSPEC,PSJTYPE,PSJDN)) Q:'PSJDN
Q:$G(PSGORQF) D
... S PSJNDV=$G(PSJOCLST(PSJSEV,PSJPSPEC,PSJTYPE,PSJDN)),PSJDD=$P(PSJNDV,U,6)
... I '$D(PSJINTVD($P(PSJNDV,U,3))) D
.... S (PSJINTVD($P(PSJNDV,U,3)))=""
.... D:'$D(PSJDGCK) INTERV^PSJGMRA("SIGNIFICANT DRUG INTERACTION",$P(PSJNDV,U,3))
Q
HDR(PSJDNM) ;Display the intro text on drug interaction
W !,"This patient is receiving the following order(s) that have a "
W $$($G(PSJSEV)="C": "CRITICAL", $G(PSJSEV)="S": "SIGNIFICANT",1:"")_ " Drug"
W !,"Interaction with "_$G(PSJDNM)_"":",!
Q
DSPDRG(PSJPON,PSJDNM,PSJCLINF) ;Display order info or drug name from prospective.
Q:$G(PSJPON)=""

```

	<pre> I \$P(PSJPON,";",3)="PROSPECTIVE" W !?8,\$G(PSJDNM),! Q I \$D(PSJDSPON(PSJPON)) Q S PSJDSPON(PSJPON)=" " I (\$Y+8)>IOSL D PAUSE^PSJMISC(1,0) W @IOF D DSPORD^PSJOC(\$P(PSJPON,";",2),"",PSJCLINF) Q RDIVUID ;Loop thru the "IN" global to store the VUID for remote Rx NEW PSJPON,PSJVUID K PSJRD S PSJPON=" " F S PSJPON=\$O(^TMP(\$J,"PSJPRE","IN","PROFILE",PSJPON)) Q:PSJPON=" " I \$E(PSJPON,1,1)="R" D . S PSJVUID=\$P(\$G(^TMP(\$J,"PSJPRE","IN","PROFILE",PSJPON)),U,2) . S:+PSJVUID PSJRD(PSJPON)=PSJVUID Q DSPLCLIN(PSJ2) ;If the next drug on the list is diff the flag to display the clin effects. NEW PSJCLINC,PSJCLINN,PSJDNVC,PSJDNVN,PSJPC,PSJPN,PSJ2N,PSJSORTN I \$G(PSJ2)=" " Q 0 S PSJDNVC=PSJOCLST(PSJSEV,PSJPSPEC,PSJPROFL,PSJSORT,PSJ2) F X=1:1:10 S PSJPC(X)=\$P(PSJDNVC,U,X) S PSJ2N=\$O(PSJOCLST(PSJSEV,PSJPSPEC,PSJPROFL,PSJSORT,PSJ2)) I 'PSJ2N S PSJSORTN=\$O(PSJOCLST(PSJSEV,PSJPSPEC,PSJPROFL,PSJSORT)) Q:'PSJSORTN 1 S PSJ2N=\$O(PSJOCLST(PSJSEV,PSJPSPEC,PSJPROFL,PSJSORT,0)) Q:'PSJ2N 1 S PSJDNVN=PSJOCLST(PSJSEV,PSJPSPEC,PSJPROFL,PSJSORT,PSJ2N) F X=1:1:10 S PSJPN(X)=\$P(PSJDNVN,U,X) I \$S(PSJPC(5)="":1,PSJPC(2)="":1,PSJPC(4)="":1,'+PSJPC(1):1,PSJPN(5)=" :1,PSJPN(2)="":1,PSJPN(4)="":1,'+PSJPN(1):1,1:0) Q 0 S PSJCLINC=\$G(^TMP(\$J,"PSJPRE","OUT","DRUGDRUG",PSJPC(5),PSJPC(2),PSJPC (4),PSJPC(1),"CLIN")) S PSJCLINN=\$G(^TMP(\$J,"PSJPRE","OUT","DRUGDRUG",PSJPN(5),PSJPN(2),PSJPN (4),PSJPN(1),"CLIN")) I (PSJCLINC'=PSJCLINN) Q 1 Q 0 CRITICAL ; NEW PSJGROUP,PSJNEXT S PSJGROUP=0,PSJNEXT=0 S PSJSEV="C" S PSJPSPEC=" " F S PSJPSPEC=\$O(PSJOCLST(PSJSEV,PSJPSPEC)) Q:PSJPSPEC=" " D . S PSJPROFL=" " F S PSJPROFL=\$O(PSJOCLST(PSJSEV,PSJPSPEC,PSJPROFL)) Q: PSJPROFL=" " D .. S PSJNEXT=0 .. S PSJGROUP=PSJGROUP+1 .. F PSJSORT=0:0 S PSJSORT=\$O(PSJOCLST(PSJSEV,PSJPSPEC,PSJPROFL,PSJSORT)) Q:'PSJSORT D ... Q:PSJNEXT ... F PSJ2=0:0 S PSJ2=\$O(PSJOCLST(PSJSEV,PSJPSPEC,PSJPROFL,PSJSORT,PSJ2)) Q:'PSJ2 D Q:PSJNEXT S PSJCRJCL(PSJSORT,PSJGROUP)=PSJPSPEC_U_PSJPROFL_U_\$P(PSJOCLST(PSJ SEV,PSJPSPEC,PSJPROFL,PSJSORT,PSJ2),"^",12) S PSJNEXT=1 Q </pre>
Modified Logic (Changes are in bold)	
New Routine	

6.2.12.1.1.29 PSJOCDT — CCR 6729 - Finishing an IMO order with a remote duplicate drug causes a hard error

Routine Name	PSJOCDT
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change
SRS Traceability	
Related Options	

Related Routines	Routines “Called By”	Routines “Called”
	GND+25^PSGOES DISPLAY+15^PSJOC DISPLAY+16^PSJOC SORTLST+12^PSJOC DT	GETS^DIQ ^DIR CLNDISP^PSJCLNOC PAUSE^PSJLMUT1 LINE^PSJMISC MYWRITE^PSJMISC PAUSE^PSJMISC DSPTOT^PSJOC DC^PSJOCDC \$\$CKDC^PSJOC DT EN^PSODRDU2
Data Dictionary References	N^PS(50.606 ^PS(50.7 ^PS(52.41 ^PS(53.1 ^PS(55 ^PSDRUG(^PSRX(^TMP(“PSJDAOC” ^TMP(\$J	
Related Protocols	N/A	
Related Integration Agreements	EN^PSODRDU2 is supported by DBIA# 2189	
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	Name: Definition:	
Output Attribute Name and Definition	Name: Definition:	
Current Logic:		
PSJOC DT ;BIR/MV - PROCESS DUPLICATE THERAPY ORDER CHECKS ;6 Jun 07 / 3:37 PM ;;5.0;INPATIENT MEDICATIONS;**181,260,288**;16 DEC 97;Build 7 ; ; Reference to EN^PSODRDU2 is supported by DBIA# 2189. ; DT ; NEW PSJN1,PSJCLASS,PSJDCNT,PSJNDV,PSJPROSP,PSJOC DT S PSJCLASS="" F PSJN1=0:0 S PSJN1=\$O(^TMP(\$J,"PSJPRE","OUT","THERAPY",PSJN1)) Q:'PSJN1 D . D SETCLASS . F PSJDCNT=0:0 S PSJDCNT=\$O(^TMP(\$J,"PSJPRE","OUT","THERAPY",PSJN1," DRUGS",PSJDCNT)) Q:'PSJDCNT D .. S PSJNDV=\$G(^TMP(\$J,"PSJPRE","OUT","THERAPY",PSJN1,"DRUGS",PSJDCNT)) .. D SETOC I '\$D(PSJPROSP) Q D DSPOC Q DTDGCK ;This version of DT is only executed when the user selects hidden action CK (Drug Check) NEW PSJN1,PSJCLASS,PSJDCNT,PSJNDV,PSJPROSP,PSJOC DT,PSJXX S PSJCLASS="" F PSJXX=1:1:2 D .F PSJN1=0:0 S PSJN1=\$O(^TMP(\$J."PSJPRE","OUT","THERAPY",PSJN1)) O:'PSJN1 D		


```

3) '="PROSPECTIVE" Q
..I PSJXX=2 I $P(^TMP($J,"PSJPRE","OUT","THERAPY",PSJN1,"DRUGS",1),";",3)'="PROFILE" Q
..D SETCLASS
..F PSJDNCNT=0:0 S PSJDNCNT=$O(^TMP($J,"PSJPRE","OUT","THERAPY",PSJN1,"
DRUGS",PSJDNCNT)) Q:'PSJDNCNT D
...S PSJNDV=$G(^TMP($J,"PSJPRE","OUT","THERAPY",PSJN1,"DRUGS",PSJDNCNT))
...D SETOC
..D DSPOC K PSJOC DT,PSJPROSP S PSJCLASS=""
Q
DSPOC
;
;PSJDSPON(ON) - Is set after the order is displayed so the same order is not displayed
again
NEW PSJTYPE,PSJDNM,PSPON,PSJPONX,PSJX,PSJDSPON,PSJCLINF
D HDR
F PSJTYPE=0:0 S PSJTYPE=$O(PSJOC DT(PSJTYPE)) Q:'PSJTYPE D
. S PSJDNM="" F S PSJDNM=$O(PSJOC DT(PSJTYPE,PSJDNM)) Q:'PSJDNM="" D
.. S PSJPON="" F S PSJPON=$O(PSJOC DT(PSJTYPE,PSJDNM,PSJPON)) Q:'PSJPON="" D
... K PSJCLINF S PSJCLINF="" I $P(PSJPON,";",2)'=" ",PSJOC DT(PSJTYPE,PSJDNM,PSJPON)'=" "
S PSJCLINF=PSJOC DT(PSJTYPE,PSJDNM,PSJPON),PSJCLINF(2)=PSJPON,PSJCLINF(3)=PSJDNM
... I ($Y+6)>IOSL D PAUSE^PSJMISC(1,) W @IOF
... S PSJPONX=$P(PSJPON,";",2)
... I PSJTYPE=10,+PSJPONX D
.... I '$D(PSJDSPON(PSJPONX)) D DSPORD^PSJOC(PSJPONX,,.PSJCLINF)
.... S PSJDSPON(PSJPONX)=""
... I ($Y+8)>IOSL D PAUSE^PSJMISC(1,) W @IOF
... I PSJTYPE>10 D
.... I PSJCLINF D CLNDISP^PSJCLNOC(.PSJCLINF) Q
.... D EN^PSODRDU2(DFN,PSJPON,"PSJPRE")
;Break the display text this way so the info on classes are indented correctly
S PSJCLASS=" Involved in Therapeutic Duplication(s): "_PSJCLASS
S PSJX=$L(PSJCLASS)\65 I ($Y+PSJX+4)>IOSL D PAUSE^PSJMISC(1,) W @IOF
W !,"Class(es)"
D MYWRITE^PSJMISC(PSJCLASS,3,67)
I ($Y+8)>IOSL D PAUSE^PSJMISC(1,) W @IOF
W !
;D LINE^PSJMISC($S($G(PSJOLDN):PSJLINE,1:"="),81)
D LINE^PSJMISC("=",81)
I '$D(PSJOC DT(10)),$D(PSJOC DT) K PSJPAUSE D PAUSE^PSJLMUT1 W @IOF Q
;I ($Y+8)>IOSL D PAUSE^PSJMISC(1,) W @IOF
I $D(PSJDGCK) W ! K DIR S DIR(0)="E",DIR("A")="Press Return to Continue..." D ^DIR K
DIR Q
I $D(PSJDGCK) Q
D CONT
Q:$G(PSGORQF)
S PSJY=$$SORTLST()
K PSJPAUSE
I PSJY=1 D Q
. W !!
. D:'$D(PSJDGCK) PROCLST(PSJY)
I (PSJY>1),+$SDCPROMPT() D
. W !
. S PSJY=$$LST() W !
. D:'$D(PSJDGCK) PROCLST(PSJY)
Q
HDR
;
NEW PSJHDR,PSJDNM
I $D(^TMP($J,"PSJPRE","OUT","DRUGDRUG")) W @IOF
D LINE^PSJMISC("=",81)
S PSJHDR="This patient is already receiving the following INPATIENT and/or OUTPATIENT
order(s) for a drug in the same therapeutic class(es)"
S:$D(PSJDGCK) PSJHDR="This patient is already receiving the following INPATIENT and/or
OUTPATIENT order(s) for drugs in the same therapeutic class(es)"
S PSJDNM=$O(PSJPROSP("UD",""))
I PSJDNM]"" S PSJHDR=PSJHDR as "_PSJDNM_" D WRITE^PSJMISC(PSJHDR,1,77) Q
D WRITE^PSJMISC(PSJHDR_"_",1,77)
HDR2
;
W !,"Drug(s) Ordered:"
S PSJDNM="" F S PSJDNM=$O(PSJPROSP("IV",PSJDNM)) Q:'PSJDNM="" D
. W !,?3,PSJDNM
. I ($Y+8)>IOSL D PAUSE^PSJMISC() W @IOF

```

```

W !
Q
SETCLASS ;Store all classes to display at the end.
NEW PSJN2,PSJCLS
F PSJN2=0:0 S PSJN2=$O(^TMP($J,"PSJPRE","OUT","THERAPY",PSJN1,PSJN2)) Q:'PSJN2 D
. S PSJCLS=$G(^TMP($J,"PSJPRE","OUT","THERAPY",PSJN1,PSJN2,"CLASS"))
. S PSJCLASS=PSJCLASS_$S(PSJCLASS="":",1:",")_PSJCLS
Q
SETOC ;Set PSJOCDT array to sort by Package(Inpt, Outpt: Active, Remote, Pending, Non-VA
;PSJPROSP(UD/IV,drugname)=" - This is used to display the header
;PSJOCDT(package,drugname,Pharm ord#)="
NEW PSJPON,PSJPKG,PSJTYPE,PSJDNM,PSJPONX,PSJCLINF,PSJDXOPT
S PSJPON=$P(PSJNDV,U) Q:PSJPON=""
S PSJCLINF="",PSJDXOPT=$S($G(PSJDGCK):"PROSPECTIVE",1:"PROFILE")
I $P(PSJPON,";",3)'="PROSPECTIVE" S PSJCLINF=$P(^TMP($J,"PSJPRE","IN",P
SJDxOPT,PSJPON),"^",7)
S PSJPONX=$P(PSJPON,";",2)
S PSJTYPE=$P(PSJPON,";") Q:PSJTYPE=""
S PSJDNM=$P(PSJNDV,U,3) Q:PSJDNM=""
S PSJPKG=$S(PSJTYPE["C":10,PSJTYPE="I":10,PSJTYPE="O":20,PSJTYPE="R":30
,PSJTYPE="P":40,PSJTYPE="N":50,1:"")
; Set prospective drug name array to display in the header.
I PSJPKG=10,($P(PSJPON,";",3)="PROSPECTIVE") D Q
. I PSJPONX["V" S PSJPROSP("IV",PSJDNM)=" " Q
. I PSJPONX["P",+$G(PSJLIFNI) S PSJPROSP("IV",PSJDNM)=" " Q
. I PSJPONX["P",($P($G(^PS(53.1,+PSJPONX,8)),U))]" " S PSJPROSP("IV",PSJDNM)=" " Q
. S PSJPROSP("UD",PSJDNM)=" "
S PSJOCDT(PSJPKG,PSJDNM,PSJPON)=PSJCLINF
Q
CONT ;Display the continue prompt.
NEW DIR,DTOUT,DIRUT,DIROUT,DUOUT,Y,X
W !
S DIR(0)="Y",DIR("B")="YES",DIR("A")=$S($D(PSJDGCK):"Do you wish to continue",1:"Do you
wish to continue with the current order")
S DIR("?",1)="Enter 'NO' if you wish to not continue with the order","",DIR("?)="or
'YES' to continue with the current order."
D ^DIR
I 'Y!($G(PSJDGCK)) S PSGORQF=1 S VALMBCK="R"
Q
DCPROMPT() ;Prompt if user wants to DC order(s)
NEW DIR,DTOUT,DIRUT,DIROUT,DUOUT,Y,X
W !
S DIR(0)="Y",DIR("B")="NO",DIR("A")="Do you wish to DISCONTINUE any of the listed
INPATIENT orders"
S DIR("?",1)="Enter 'NO' if you don't wish to discontinue any of the rder(s),
",DIR("?)="or 'YES' to discontinue selected order(s)."
D ^DIR
Q Y
SORTLST() ;Sort orders into a numeric list
NEW DIR,DIRUT,DTOUT,DUOUT,PSJN,PSJPON1,PSJMONV,PSJS,PSJSEV1,PSJX,X,Y,PS
JDNM,PSJPONX,PSJDSPON,PSOCLINF
;Sort orders into a numeric list
Q:$D(PSJOCDT(10)) 0
S PSJN=0,PSJDNM=""
F S PSJDNM=$O(PSJOCDT(10,PSJDNM)) Q:PSJDNM="" S PSJS="" F S PSJS=$O(
PSJOCDT(10,PSJDNM,PSJS)) Q:PSJS="" D
. S PSJPONX=$P(PSJS,";",2)
. S PSJCLINF="",PSJCLINF=PSJOCDT(10,PSJDNM,PSJS)
. ;Business Rule(s): don't show orders that have a status of DISCONTINUED in list
. S PSJDSPON(PSJPONX)=" "
. S:$CKDC^PSJOCDT PSJN=PSJN+1,PSJOCDTL(PSJN)=PSJPONX
Q PSJN
LST()
;
;Only present the list if there are more than 1 orders the list
F PSJX=0:0 S PSJX=$O(PSJOCDTL(PSJX)) Q:'PSJX D
. I ($Y+6)>IOSL D PAUSE^PSJMISC(1,) W @IOF
. D DSPORD^PSJOC(PSJOCDTL(PSJX),PSJX_." ")
W !
K DIR S DIR(0)="LO^1:$_$O(PSJOCDTL("),-1),DIR("A")="Enter a list or range of numbers
to discontinue" D ^DIR
Q Y

```

<pre> PROCLST(PSJY) ;DC the orders selected by user NEW PSJX,PSJX1,PSJON,PSJCLINF F PSJX1=1:1:\$L(PSJY) S PSJX=\$P(PSJY,"",PSJX1) Q:PSJX="" D . I (\$Y+8)>IOSL D PAUSE^PSJMISC() W @IOF . I '\$D(PSJOCCTL(PSJX)) Q . S PSJON=PSJOCCTL(PSJX),PSJCLINF=0 . I '\$D(PSJOCCTL(PSJX,"CLN")) S PSJCLINF=\$P(PSJOCCTL(PSJX,"CLN"),"^"),PS JCLINF(2)=\$P(PSJOCCTL(PSJX,"CLN"),"^",2),PSJCLINF(3)=\$P(PSJOCCTL(PSJX,"CLN"),"^",3) . D DC^PSJOCDC(PSGP,PSJON,.PSJCLINF) . W ! Q CKDC() ; rule: don't show orders that have a status of DISCONTINUED in list N PSJCKPON,PSJCKFLD S (PSJCKFLD,PSJCKPON)="",PSJCKPON=\$S(PSJPONX["U":55.06,PSJPONX["I"!(PSJ PONX["V":55.01,1:53.1) S PSJCKFLD=\$S(PSJPONX["V"!(PSJPONX="I"):"100",1:"28") ;Unit dose and pending/non- verified file statuses are in field 28 in each file D GETS^DIQ(PSJCKPON,+PSJPONX_,"_DFN",PSJCKFLD,"I","DCTMP") I '\$D(DCTMP(PSJCKPON,+PSJPONX_,"_DFN_",",PSJCKFLD,"I")) K DCTMP Q 0 I DCTMP(PSJCKPON,+PSJPONX_,"_DFN_",",PSJCKFLD,"I")="D" K DCTMP Q 1 K DCTMP Q 0 </pre>	
Modified Logic (Changes are in bold)	
New Routine	

6.2.12.1.1.30 PSJOCDS

Routine Name	PSJOCDS		
Enhancement Category	<input type="checkbox"/> New	<input checked="" type="checkbox"/> Modify	<input type="checkbox"/> Delete <input type="checkbox"/> No Change
SRS Traceability			
Related Options			
Related Routines	Routines “Called By”	Routines “Called”	
	N/A	^PSJGMRA ^PSJLMUT1 ^PSJMISC ^PSJOC ^VALM	
Data Dictionary References	^TMP(\$J)		
Related Protocols	N/A		
Related Integration Agreements	N/A		
Data Passing	<input type="checkbox"/> Input	<input type="checkbox"/> Output Reference	<input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local
Input Attribute Name and Definition	Name: Definition:		
Output Attribute Name and Definition	Name: Definition:		
Current Logic:			
PSJOCDS ;BIR/MV - PROCESS DOSING ORDER CHECKS ;6 Jun 07 / 3:37 PM ;;5.0; INPATIENT MEDICATIONS ;**181**;16 DEC 97;Build 190 ; DISPLAY ;Display dose checks NEW PSJPON.PSJDSPFG.PSJCNT0			

```

D FULL^VALM1
Q: '$DSPSERR^PSJOC("No dosing checks can be performed")
D EXCEPTN2
K PSJDSPFG
F PSJCNT0=0:0 S PSJCNT0=$O(^TMP($J,"PSJPRE1","OUT",PSJCNT0)) Q:'PSJCNT0
Q:$G(PSGORQF) D
. S PSJPON="" F S PSJPON=$O(^TMP($J,"PSJPRE1","OUT",PSJCNT0,PSJPON)) Q:PSJPON=""
Q:$G(PSGORQF) D
.. Q:PSJPON=0
.. D ERROR
.. D EXCEPTN
.. D WARNING
.. I +$G(PSJDSPFG) D PAUSE^PSJLMUT1 W @IOF
K PSJDSPFG
Q
WARNING ;Display warning messages
NEW PSJSGLE,PSJRNGE,PSJMSG,PSJDD,PSJTYPE
S PSJMSG=""
S (PSJSGLE,PSJRNGE)=0
I '$O(^TMP($J,"PSJPRE1","OUT",PSJCNT0,PSJPON,"EXCEPTIONS",0)),'$O(^TMP(
$J,"PSJPRE1","OUT",PSJCNT0,PSJPON,"ERROR",0)) W !
S PSJTYPE="" F S PSJTYPE=$O(^TMP($J,"PSJPRE1","OUT",PSJCNT0,PSJPON,"MESSAGE",PSJTYPE))
Q:PSJTYPE="" D
. W !
. F PSJDD=0:0 S PSJDD=$O(^TMP($J,"PSJPRE1","OUT",PSJCNT0,PSJPON,"MESSAGE"
,PSJTYPE,PSJDD)) Q:'PSJDD D
.. Q:$G(PSGORQF)
.. S PSJMSG=$G(^TMP($J,"PSJPRE1","OUT",PSJCNT0,PSJPON,"MESSAGE",PSJTYPE,PSJDD))
.. I ($Y+6)>IOSL D PAUSE^PSJLMUT1 W @IOF
.. D WRITE^PSJMISC(PSJMSG,3)
.. S:PSJTYPE["1_SINGLE" PSJSGLE=1_U_PSJDD
.. S:PSJTYPE["2_RANGE" PSJRNGE=1_U_PSJDD
.. S:PSJTYPE["3_GENERAL" PSJDSPFG=1
Q:$G(PSGORQF)
D INTERV
Q
INTERV ;Process intervention for dosing check
NEW PSJDD
S PSJDD=$S(+PSJSGLE:$P(PSJSGLE,U,2),1:$P(PSJRNGE,U,2))
I 'PSJDD S PSJDSPFG=1 Q
K PSJDSPFG
W !
I +PSJSGLE,+PSJRNGE D RINTERV^PSJGMRA("MAX SINGLE DOSE & DAILY DOSE RANGE") Q
I +PSJRNGE D RINTERV^PSJGMRA("DAILY DOSE RANGE") Q
I +PSJSGLE D RINTERV^PSJGMRA("MAX SINGLE DOSE") Q
Q
ERROR ; Process errors
NEW PSJCNT,PSJNV
;PSJDSPFG - Display pause if there were errors
;Check for system error one more time.
S PSJDSPFG=0
I $O(^TMP($J,"PSJPRE1","OUT",PSJCNT0,PSJPON,"ERROR",0)) W !!
F PSJCNT=0:0 S PSJCNT=$O(^TMP($J,"PSJPRE1","OUT",PSJCNT0,PSJPON,"ERROR",PSJCNT))
Q:'PSJCNT D
. S PSJDSPFG=1
. W !
. S PSJNV=$G(^TMP($J,"PSJPRE1","OUT",PSJCNT0,PSJPON,"ERROR",PSJCNT,"MSG"))
. D:PSJNV]" WRITE^PSJMISC(PSJNV,1)
. S PSJNV=$G(^TMP($J,"PSJPRE1","OUT",PSJCNT0,PSJPON,"ERROR",PSJCNT,"TEXT"))
. D:PSJNV]" WRITE^PSJMISC(PSJNV,3)
Q
EXCEPTN ; Process exceptions
NEW PSJCNT,PSJNV,PSJSPACE,PSJQFLG1
;PSJDSPFG - Display pause if there were errors
;Check for system error one more time.
S PSJDSPFG=0,PSJSPACE=0
I $O(^TMP($J,"PSJPRE1","OUT",PSJCNT0,PSJPON,"EXCEPTIONS",0)) W !!
F PSJCNT=0:0 S PSJCNT=$O(^TMP($J,"PSJPRE1","OUT",PSJCNT0,PSJPON,"EXCEPTIONS",PSJCNT))
Q:'PSJCNT D
. S PSJQFLG1=0
. I $G(^TMP($J,"PSJPRE1","OUT",PSJCNT0,PSJPON,"EXCEPTIONS",PSJCNT))["Dosing Checks

```

```

could not be performed",($G(^TMP($J,"PSJPRE1","OUT",PSJCNT0,PSJPON,"
EXCEPTIONS",PSJCNT+1))["Drug not matched to NDF") Q
. I $G(^TMP($J,"PSJPRE1","OUT",PSJCNT0,PSJPON,"EXCEPTIONS",PSJCNT))["Drug not matched
to NDF" Q
. I $G(^TMP($J,"PSJPRE1","OUT",PSJCNT0,PSJPON,"EXCEPTIONS",PSJCNT))["Order Checks could
not be done" Q
. S PSJDSPFG=1
. S PSJNV=$G(^TMP($J,"PSJPRE1","OUT",PSJCNT0,PSJPON,"EXCEPTIONS",PSJCNT))
. I PSJNV]" " D
.. I ($Y+6)>IOSL D PAUSE^PSJLMUT1 W @IOF
.. ;If the output has 13 leading spaces, strip it off so the display is indenting
correctly
.. I $E(PSJNV,1,13)=" " S PSJSPACE=13,PSJNV=$P(PSJNV," ",2)
.. D WRITE^PSJMISC(PSJNV,PSJSPACE+3)
Q
EXCEPTN2 ; Process exceptions on prospective drug
NEW PSJPON,PSJN,PSJNV
K PSJDSPFG
S PSJPON=" " F S PSJPON=$O(^TMP($J,"PSJPRE","OUT","EXCEPTIONS",PSJPON)) Q:PSJPON=" " D
. F PSJN=0:0 S PSJN=$O(^TMP($J,"PSJPRE","OUT","EXCEPTIONS",PSJPON,PSJN)) Q:'PSJN D
.. S PSJNV=$G(^TMP($J,"PSJPRE","OUT","EXCEPTIONS",PSJPON,PSJN))
.. I $P(PSJPON,";",3)="PROFILE" Q
.. I '$ERRCHK^PSJOC("PROSPECTIVE",$P(PSJNV,U,3)_$P(PSJNV,U,10)) Q
.. W !
.. D DSPDRGER^PSJOC(1)
I $G(PSJDSPFG) D PAUSE^PSJLMUT1 W @IOF
Q
Q

```

Modified Logic (Changes are in bold)

6.2.12.1.1.31 PSJOCERR

Routine Name	PSJOCERR	
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
SRS Traceability		
Related Options		
Related Routines	Routines “Called By”	Routines “Called”
	OC+9^PSJOC DISPLAY+13^PSJOC DISPLAY+17^PSJOC	PAUSE^PSJMISC WRITE^PSJMISC \$\$PING^PSJOC GMRAOC^PSJOC
Data Dictionary References	^TMP(“PSJDAOC” ^TMP(\$J	
Related Protocols	N/A	
Related Integration Agreements	N/A	
Data Passing	<input checked="" type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	Name: PSJTYPE Definition: DRUGDRUG or THERAPY	
Output Attribute Name and Definition	Name: Definition:	

Current Logic:	
<pre> PSJOCERR ;BIR/MV - ERROR HANDLING FOR ORDER CHECKS ;6 Jun 07 / 3:37 PM ; ;5.0; INPATIENT MEDICATIONS ;**181**;16 DEC 97;Build 190 ; SYS() ; ;If the system is down, pause and continue with Allergy and CPRS OC I '\$\$PING^PSJOC() D Q 1 . K ^TMP(\$J,"PSJPRE") . D PAUSE^PSJMISC(1,1) . D GMRAOC^PSJOC Q 0 DRUG ; Q ORDER ; Q SETERR(PSJBASE,PSJPON,PSJCODE,PSJDNM) ; ;PSJBASE - Base(Literal value for TMP global) ;PSJPON - 4th pieces pharmacy order # ;PSJCODE - Exception code for a specific error message to be returned ;PSJDNM - Display drug name (DD or AD/SOL) I \$G(PSJBASE)="" Q I \$G(PSJPON)="" Q I '\$G(PSJCODE) Q S ^TMP(\$J,PSJBASE,"IN","EXCEPTIONS","DOSE",PSJPON)=PSJCODE_U_\$G(PSJDNM) Q DSPERR(PSJTYPE) ;Display drug level errors ;PSJTYPE = "DRUGDRUG" or "THERAPY" ;PSJOCER(MSG_TEXT) - Array to keep track of errors that already displayed ;PSJDSPFG - If 1 then display a Pause if an error was displayed. Q:\$G(PSJTYPE)="" NEW ON,PSJPON,PSJCNT,PSJMSG S PSJDSPFG=0 S PSJPON="" F S PSJPON=\$O(^TMP(\$J,"PSJPRE","OUT",PSJTYPE,"ERROR",PSJPON)) Q:PSJPON="" D . F PSJCNT=0:0 S PSJCNT=\$O(^TMP(\$J,"PSJPRE","OUT",PSJTYPE,"ERROR",PSJPON,PSJCNT)) Q:'PSJCNT D .. S PSJMSG=\$G(^TMP(\$J,"PSJPRE","OUT",PSJTYPE,"ERROR",PSJPON,PSJCNT,"MSG")) .. S PSJTXT=\$G(^TMP(\$J,"PSJPRE","OUT",PSJTYPE,"ERROR",PSJPON,PSJCNT,"TEXT")) .. I '\$ERRCHK(PSJMSG_PSJTXT) Q .. S PSJDSPFG=1 .. K PSJPAUSE .. I (\$Y+6)>IOSL D PAUSE^PSJMISC(1,1) W @IOF .. I PSJMSG]" W !! D WRITE^PSJMISC(PSJMSG) .. I PSJTXT]" D WRITE^PSJMISC(" Reason: "_PSJTXT) I PSJDSPFG D PAUSE^PSJMISC(1,1) W @IOF Q ERRCHK(PSJX) ; ;PSJX - Drug name_Error reason ;Return 1 if this error drug has not displayed to the user. I \$G(PSJX)="" Q 0 I '\$D(PSJOCER(PSJX)) S PSJOCER(PSJX)="" Q 1 Q 0 </pre>	
Modified Logic (Changes are in bold)	

6.2.12.1.1.32 PSJOCKVW — CCR6742 – CLE13 - IP Order Check History remote orders are not working properly & CCR6743 – IP Order check history for remote orders displays incorrectly

Routine Name	PSJOCKVW			
Enhancement Category	<input checked="" type="checkbox"/> New	<input type="checkbox"/> Modify	<input type="checkbox"/> Delete	<input type="checkbox"/> No Change
SRS Traceability				

Related Options		
Related Routines	Routines “Called By”	Routines “Called”
	ENLM+10^PSJOEL ENLM+11^PSJOEL EN+7^PSIVVW1	DD^%DT EN^DIQ1 ^DIR ^DIWP GETOC4^OROCAP1
Name:	^GMRD(120.83 ^ORD(100.05 ^PS(50.416 ^PS(50.605 ^PS(53.1 ^PS(55 ^PSDRUG(^PSRX(^TMP("PSDAOCD" ^TMP("PSJAL" ^TMP("PSJDAOCD" ^UTILITY(\$J ^VA(200	
Definition:	N/A	
Name:	^PS(50.605, supported by DBIA 696 GETOC4^OROCAP11 supported by DBIA 5729 ^ORD(100.05 supported by DBIA 5731 ^GMRD(120.83 supported by DBIA 5767 ^VA(200 supported by DBIA 10060	
Definition:	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Name:	Name: Definition:	
Definition:	Name: Definition:	
Current Logic:		
New Routine		
Modified Logic (Changes are in bold)		
New Routine		

6.2.12.1.1.33 PSJOCOR

Routine Name	PSJOCOR	
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
SRS Traceability		
Related Options		
Related Routines	Routines “Called By”	Routines “Called”
	GMRAOC+2^PSJOC	\$\$AOC^OROCAP1 \$\$DOC^OROCAP1 \$\$GOC^OROCAP1

		\$SOIM^ORX PAUSE^PSJMISC WRITE^PSJMISC
Data Dictionary References	^PSDRUG(^TMP("PSJDAOC")	
Related Protocols	N/A	
Related Integration Agreements	^PSDRUG is supported by DBIA# 2192 ^OROCAPI is supported by DBIA# 5367	
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	Name: Definition:	
Output Attribute Name and Definition	Name: Definition:	
Current Logic:		
<pre>PSJOCOR ;BIR/MV - DISPLAY CPRS ORDER CHECKS ;6 Jun 07 / 3:37 PM ; ;5.0; INPATIENT MEDICATIONS ;**181**;16 DEC 97;Build 190 ; ; Reference to ^PSDRUG is supported by DBIA# 2192. ; Reference to ^OROCAPI is supported by DBIA# 5367. ; CPRS(PSPDRG) ;Perform Aminoglycoside checks for IV drugs ;PSPDRG - Drug array in format of PDRG(n)=IEN (#50) ^ Drug name ;Only need to display Aminoglycoside once for an order. If PSJQUIT is set that means it already displayed NEW PSJDD,PSJQUIT,PSJPAUSE,PSJCNT,VAIN S PSJPAUSE=0 W !! F PSJCNT=0:0 S PSJCNT=\$O(PSPDRG(PSJCNT)) Q:'PSJCNT Q:\$G(PSJQUIT) S PSJDD=+PSPDRG(PSJCNT) D . D DOC(DFN,\$\$OROI(+PSJDD)) . D GOC(DFN,(\$P(PSPDRG(PSJCNT)),U,2)) . D AOC(DFN,\$\$VAPROD(+PSJDD)) D:PSJPAUSE PAUSE^PSJMISC() Q ; OROI(PSJDD) ;Get CPRS OI ;PSJDD - Drug IEN(#50) NEW PSJOI Q:+'\$G(PSJDD) S PSJOI=+\$P(\$G(^PSDRUG(+PSJDD,2)),U) Q:'PSJOI Q \$\$OITM^ORX8(PSJOI,"99PSP") ; DOC(DFN,PSJOROI) ;DANGEROUS MEDS FOR PAT > 64 ORDER CHECK ;DFN - Patient IEN ;PSJOROI - CPRS orderable item IEN NEW X S X=\$P(\$\$DOC^OROCAPI(DFN,+PSJOROI),U,4) I X]" S PSJPAUSE=1 W "***Dangerous Meds for Patient >64***",!! D WRITE^PSJMISC(X) Q ; GOC(DFN,PSJDNM) ;GLUCOPHAGE LAB RESULTS ORDER CHECK ;PSJDNM - Drug name from file 50 NEW X S X=\$P(\$\$GOC^OROCAPI(DFN,PSJDNM),U,4) I X]" S PSJPAUSE=1,PSJQUIT=1 W "***Metformin Lab Results***",!! D WRITE^PSJMISC(X) Q ; AOC(DFN,PSJPROD) ;AMINOGLYCOSIDE ORDERED ORDER CHECK ;PSJPROD - VA Product File (#50.68) IEN. ;PSJQUIT is set so Aminoglycosid is only warn once per session. NEW X</pre>		

<pre> S X=\$P(\$AOC^OROCAP(DFN,+PSJPROD),U,4) I X]" S PSJPAUSE=1,PSJQUIT=1 W "****Aminoglycoside Ordered****",!! D WRITE^PSJMISC(X) Q ; VAPROD(PSJDD) ;Return VA PRODUCT IEN (50.68) ;PSJDD - Dispense drug IEN (50) Q \$P(\$G(^PSDRUG(+PSJDD,"ND")),U,3) ; </pre>
Modified Logic (Changes are in bold)

6.2.12.1.1.34 PSJRXI

Routine Name	PSJRXI			
Enhancement Category	<input type="checkbox"/> New	<input checked="" type="checkbox"/> Modify	<input type="checkbox"/> Delete	<input type="checkbox"/> No Change
SRS Traceability				
Related Options				
Related Routines	Routines “Called By”	Routines “Called”		
	CONT+6^PSGSICHK CLASSDSP+9^PSGSICHK CKIVI+3^PSJCROC CKIVI+5^PSJCROC DSPLY+11^PSJDGAL AA+12^PSJDPT INTERV+10^PSJGMRA RINTERV+10^PSJGMRA	^DIC FIND^DIC FILE^DICN ^DIE ^DIR PAUSE^PSJLMUTI \$\$DATE^PSJUTL2 \$\$DATE2^PSJUTL2		
Data Dictionary References	^APSPQ(32.4 ^DD(DILOCKTM” ^PS(53.1 ^PSDRUG(^TMP(“PSJDAOC” ^TMP(“PSJINTER”			
Related Protocols	N/A			
Related Integration Agreements	^APSPQA(32.4 is supported by DBIA #2179 ^PSDRUG supported by DBIA# 2192			
Data Passing	<input type="checkbox"/> Input	<input type="checkbox"/> Output Reference	<input type="checkbox"/> Both	<input type="checkbox"/> Global Reference <input type="checkbox"/> Local
Input Attribute Name and Definition				
Output Attribute Name and Definition	Name: Definition:			
Current Logic:				
PSJRXI ;IHS/DSD/JCM/RLW-LOGS PHARMACY INTERVENTIONS ; 15 May 98 / 9:28 AM ; ;5.0;INPATIENT MEDICATIONS;***3,181,254,267,275**;16 DEC 97;Build 157 ; ; Reference to ^APSPQA(32.4 is supported by DBIA #2179 ; Reference to ^PSDRUG supported by DBIA# 2192 ; ; This routine is used to create entries in the APSP INTERVENTION file. ;----- START ; N SAVEX,SAVEY S SAVEX=X,SAVEY=Y				

```

D INIT
D DIC G:PSJRXI("QFLG") END
D EDIT
S: '$D(PSJNEW("PROVIDER")) PSJNEW("PROVIDER")=$P(^APSPA(32.4,PSJRXI("DA"),0),"^",3)
END
D EOJ
Q
;-----
INIT
;
W !,"Now creating Pharmacy Intervention",!
I $G(PSJDD) W "For ", $P($G(^PSDRUG(PSJDD,0)),"^"),!
K PSJRXI
S PSJRXI("QFLG")=0
Q
;
DIC
;
N DIC,DR,DA,X,DD,DO,Y,PSJY,PSJRXIEN
I $G(PSJRXREQ)=" " S PSJRXREQ="ALLERGY"
D FIND^DIC(9009032.3,"","@;.01","",PSJRXREQ,1,"B","","","PSJRXIEN")
S PSJRXIEN=$G(PSJRXIEN("DILIST",2,1))
I 'PSJRXIEN S PSJY=-1 G DICX
S DIC="^APSPA(32.4," ,DLAYGO=9009032.4,DIC(0)="L",X=DT
S DIC("DR")=".02////_"_PSGP_" ;.04////_"_DUZ_" ;.05////_"_PSJDD_" ;.06////_PHARMACY"
S DIC("DR")=DIC("DR")_" ;.07////_"_ $G(PSJRXIEN)"_" ;.14////_1_"_" ;.16////_"_ $S
($G(PSJSITE))"" :PSJSITE,1:""
D FILE^DICN K DIC,DR,DA
S PSJY=Y
I Y>0 S PSJRXI("DA")=+Y
E S PSJRXI("QFLG")=1 G DICX
D DIE
DICX
;
I $G(PSJY)=-1 D
. W !,"Unable to log an intervention for ", $G(PSJRXREQ)
. D PAUSE^PSJLMUT1
K X,Y
Q
;
DIE
K DIE,DIC,DR,DA N PSJRECOM,PSJOVRS,PSJINTOI,PSJTMPDT
S DIE="^APSPA(32.4," ,DA=PSJRXI("DA"),DR=$S($G(PSJRXI("EDIT")))" :".03:
1600", $G(PSJAADPT):".03;" ,1:".03;.08")
L +^APSPA(32.4,PSJRXI("DA")):$S($G(^DD("DILOCKTM")):+$G(^DD("DILOCKTM")),1:3) E W
!,"Sorry, someone else is editing this intervention!" Q
D ^DIE K DIE,DIC,DR,X,Y,DA
I $G(PSJAADPT) N PSJQREC S PSJQREC=0 F Q:$G(PSJQREC) D
.K DIC S PSJQREC=" " S DIC="9009032.5",DIC(0)="EZ",X="UNABLE TO ASSESS"
D ^DIC S:$G(Y)>0 PSJQREC=+Y I '($G(Y)>0) S DIC="9009032.5",DIC(0)="EZ",X="OTHER"
D ^DIC S:$G(Y)>0 PSJQREC=+Y
.N DIR S DIR(0)="S^1:UNABLE TO ASSESS;2:OTHER",DIR("A")="RECOMMENDATION
",DIR("?",1)=" Enter a recommendation for NO ALLERGY ASSESSMENT.",DIR(" ?")=" Enter 'OTHER'
to add free text."
.D ^DIR S PSJQREC=$S(PSJQREC>0:+PSJQREC,1:0) I PSJQREC D
..S DIE="^APSPA(32.4," ,DA=PSJRXI("DA"),DR=".08////_"_PSJQREC D ^DIE
.I $G(Y)="^" S PSJQREC=-1
.K DIE,DIC,DR,X,Y,DA
I $G(PSJDD) S PSJINTOI=+$G(^PSDRUG(+PSJDD,2))
S PSJTMPDT=+$G(^TMP("PSJINTER", $J,+ $G(PSJRXI("DA"))-1))
I $G(PSGDT) I $G(PSJRXREQ)="ALLERGY"!($G(PSJRXREQ))["CRITICAL DRUG") S ^
TMP("PSJINTER", $J,PSJRXI("DA"))=$S($G(PSJTMPDT):PSJTMPDT,1:$G(PSGDT))_"^"_ $S($G(
PSJINTOI):PSJINTOI,1:"")_"^"_ $DATE2^PSJUTL2($DATE^PSJUTL2())
S PSJRECOM=$P($G(^APSPA(32.4,PSJRXI("DA"),0)),"^",8) D
.S PSJOVRS=" ",X=PSJRECOM,Y=" ",DIC="^APSPA(32.5," ,DIC(0)="BSX" D ^DIC I
$P(Y,"^",2)]"" S PSJOVRS=$P(Y,"^",2)
.I PSJRECOM=9 D
..S DIE="^APSPA(32.4," ,DA=PSJRXI("DA"),DR="1200;" D ^DIE K DIE,DIC,DR,X,Y,DA
L -^APSPA(32.4,PSJRXI("DA"))
W $C(7),!,"See 'Pharmacy Intervention Menu' if you want to delete this
",!,"intervention or for more options.",! D PAUSE^PSJLMUT1
Q
;
EDIT
;
K DIR W ! S DIR(0)="Y",DIR("A")="Would you like to edit this intervention",
DIR("B")="N" D ^DIR K DIR I $D(DIRUT)! 'Y G EDITX
S PSJRXI("EDIT")=1 D DIE

```

EDITX	G EDIT K X,Y Q ; EOJ ; K PSJRXI S X=SAVEX,Y=SAVEY Q ; EN1(PSJORDER) ; Entry Point if have internal rx # I PSJX']" W !,\$C(7),"No prescription data" Q S PSJORDER=\$S((PSJORDER["N"])(PSJORDER["P"]):"^PS(53.1,"_+PSJORDER,PSJOR DER["V": "^PS(55,"_DFN_" , "IV" , "_+PSJORDER,1:"^PS(55,"_DFN_" ,5,"_+PSJORDER)" , " N PSJDFN,PSJNEW,PSJDRUG,PSJY I \$G(^PS(53.1,PSJX,0))')]" W !,\$C(7),"No prescription data" G EN1X S PSJRXI ("IRXN")=PSJORDER K PSJY S PSJY=@(PSJORDER_" ,0)") S PSJDFN=\$P(PSJY,"^",15),PSJNEW("PROVIDER")=\$P(PSJY,"^",2) S PSJDRUG=0,PSJDRUG=\$O(^PS(53.1,PSJRXI("IRXN"),1,PSJDRUG)) Q: 'PSJDRUG S PSJDRUG("IEN")=\$G(@(PSJORDER_" , "_PSJDRUG) , "^") D START EN1X Q
Modified Logic (Changes are in bold)	

6.2.12.1.2 Outpatient*****

6.2.12.1.2.1 PSOBKDE1 (RTC 64063)

Routines	Activities	
Routine Name	PSOBKDE1	
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
RTM	2.6.10, 2.6.10.1. 2.6.10.2, 2.6.10.3	
Related Options		
Related Routines	Routines “Called By”	Routines “Called”
	PSOBKDED	N/A
Routines	Activities	
Data Dictionary (DD) References	N/A	
Related Protocols	N/A	
Related Integration Control Registrations (ICRs)	;External reference to PSDRUG(supported by DBIA 221	
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	Name: Definition:	
Output Attribute Name and Definition	Name: Definition:	

Current Logic

This routine displays the defined dosages for the drug during order entry

Modified Logic (Changes are in bold)

To prevent data from rolling off the screen, this routine PSOBKDE1 was modified as follows:

- When there aren't any dosing sequences then the display will look like the following:

There isn't an Available Dosage:

1. Please Enter a Free Text Dosage.

```
Select from list of Available Dosages, Enter Free Text Dose  
or Enter a Question Mark (?) to view list:
```

- When there is 1 dosing sequence, the prompt will look like:

There is 1 Available Dosage:

1. 300MG

```
Select from list of Available Dosages(1), Enter Free Text Dose  
or Enter a Question Mark (?) to view list:
```

- When there are 2 dosing sequences, the prompt will look like:

There are 2 Available Dosages:

1. 0.25MCG
2. 0.5MCG

```
Select from list of Available Dosages (1-2), Enter Free Text Dose  
or Enter a Question Mark (?) to view list:
```

- When three or more dosages are available, the system will display the first three dosages, display the "Enter RETURN to continue or '^' to exit the list of dosages:" prompt, and when the user enters display the next screen of dosages.

There are 30 Available Dosages:

1. 40MG
2. 80MG
3. 120MG

Enter RETURN to continue or '^' to exit the list of dosages:

4. 160MG
5. 200MG
6. 240MG
7. 280MG
8. 320MG
9. 360MG
10. 400MG
11. 440MG
12. 480MG
13. 520MG
14. 560MG

15. 600MG
 16. 640MG
 17. 680MG
 18. 720MG
 19. 760MG
 20. 800MG
 21. 840MG

Enter RETURN to continue or '^' to exit the list of dosages:

22. 880MG
 23. 920MG
 24. 960MG
 25. 1000MG
 26. 1040MG
 27. 1080MG
 28. 1120MG
 29. 1160MG
 30. 1200MG

Select from list of Available Dosages (1-30), Enter Free Text Dose
 or Enter a Question Mark (?) to view list:

- When less than three dosages are available, the “Enter RETURN to continue or '^' to exit the list of dosages:” will not be displayed.
- If the user up caret (^) out at the “Enter RETURN to continue or '^' to exit the list of dosages:” prompt, the system will continue to the following prompt for dosage selection:

Select from list of Available Dosages, Enter Free Text Dose
 or Enter a Question Mark (?) to view list:

All of these changes apply to new order, copy, edit, renew, and finish of an order.

```
"DOSP"|PSOBKDEL.INT.1      PSOBKDEL.INT.1
*****
"DOSP"|PSOBKDEL.INT.1
+12 LST  N DIR I '$D(DOSE("DD")) D Q
.....
PSOBKDEL.INT.1
+12 LST  I '$D(DOSE("DD")) D Q
-----
"DOSP"|PSOBKDEL.INT.1
+22      N PSODOSCT S PSODOSCT=0
+23      F I=0:0 S I=$O(DOSE(I)) Q:'I!('$D(DOSE(I))) S PSODOSCT=I
.....
PSOBKDEL.INT.1
-----
"DOSP"|PSOBKDEL.INT.1
+26      .I PSODOSCT>3 D PAUSE:($Y+3)>20
+27      K DIRUT,DIR
.....
PSOBKDEL.INT.1
+24      .D PAUSE:($Y+3)>20
+25      K DIRUT
-----
"DOSP"|PSOBKDEL.INT.1
+31      K DIR S DIR("A")="Enter RETURN to continue or '^' to exit the list
of dosages",DIR(0)="E" W ! D ^DIR W @$G(IOF)
.....
PSOBKDEL.INT.1
```

```
+29      K DIR S DIR("A")="Enter RETURN to continue or '^' to exit the list
of dosages",DIR(0)="E" W ! D ^DIR
-----
|"DOSP"|PSOBKDE1.INT.1
.....
PSOBKDE1.INT.1
+31      W @$G(IOF)
*****
CDEVIS1A2:DOSF>
```

6.2.12.1.2.2 PSOBKDED (RTC 64063)

Routine Name	PSOBKDED			
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change			
RTM	2.6.10, 2.6.10.1. 2.6.10.2, 2.6.10.3			
Related Options				
Related Routines	Routines “Called By”	Routines “Called”		
	PSOBKDED	N/A		
Routines	Activities			
Data Dictionary (DD) References	N/A			
Related Protocols	N/A			
Related Integration Control Registrations (ICRs)	;Ref PS(50.607 IA 2221 ;Ref PS(50.7 IA 2223 ;Ref PS(51.2 IA 2226 ;Ref PSDRUG(IA 221 ;Ref DOSE^PSSORPH IA 3234 ;Ref PS(55 IA 2228			
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local			
Input Attribute Name and Definition	Name: Definition:			
Output Attribute Name and Definition	Name: Definition:			
Current Logic				
This routine calls PSOBKDE1 to display the defined available dosages for the drug during order entry. Then it prompts the user for: <div> Select from list of Available Dosages, Enter Free Text Dose or Enter a Question Mark (?) to view list: </div>				

Modified Logic (Changes are in bold)

The following prompt will be changed from:

Select from list of Available Dosages, Enter Free Text Dose
or Enter a Question Mark (?) to view list:

To reflect the number of dosing sequences available:

Select from list of Available Dosages **(1-30)**, Enter Free Text Dose
or Enter a Question Mark (?) to view list:

All of these changes apply to new order, copy, edit, renew, and finish of an order.

6.2.12.1.2.3 PSODGAL1

Routine Name	PSODGAL1	
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
SRS Traceability	CR1006	
Related Options	Patient Prescription Processing [PSO LM BACKDOOR ORDERS] Complete Orders from OERR [PSO LMOE FINISH] View Prescriptions [PSO VIEW] Edit Prescriptions [PSO RXEDIT] Inpatient Order Entry [PSJ OE] Order Entry (IV) [PSJI ORDER] Order Entry [PSJU NE]	
Related Routines	Routines "Called By"	Routines "Called"
	PSJGMRA, PSODGAL1, PSODGAL3, PSODGALP, PSODRG, PSOUTL	GMRADPT, GMRAOR, OROCAPI1, PSODGAL3, PSORXI
Data Dictionary References	^GMR(120.8, ^PS(52.41, ^PS(53.1, ^PS(55, ^PSRX(
Related Protocols	N/A	
Related Integration Agreements	;External reference to ORCHK2^GMRAOR supported by DBIA 2378 ;External reference to ^GMR(120.8 supp. by DBIA 2214 ;External reference to ^PS(50.605 supported by DBIA 696 ;External reference to ^PS(50.416 supported by DBIA 692 ;External reference to EN1^GMRAOR2 supported by DBIA 2422 ;External reference to ^TMP("GMRAOC" supported by DBIA 4848 ;External reference to ^XUSEC("PSORPH" supported by DBIA 10076 ;External reference to CLIST^PSNAPIS supported by DBIA 2574 ;External reference to ^GMRD(120.82,D0, supported by DBIA 5690 ;External reference to GETOC4^OROCAPI1 supported by DBIA 5729 ;External reference to INGR^PSNNGR supported by DBIA 5728 ;External reference to ^PS(55 supported by DBIA 2228 ;External reference to ^PS(53.1 supported by DBIA 5793	
Data Passing	<input checked="" type="checkbox"/> Input <input checked="" type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	N/A	
Output Attribute Name and Definition	N/A	

Current Logic:

```
PSODGAL1 ;BIR/LC,SAB-enhanced DRUG ALLERGY REACTION CHECKING ;12/09/07 02:22
;;7.0;OUTPATIENT PHARMACY;**251,401,390,424**;DEC 1997;Build 1
;External reference to ^GMRADPT supported by DBIA 10099
;External reference to ORCHK^GMRAOR supported by DBIA 2378
;External reference to $P(^GMR(120.8,LP,3),"^",3) supp. by DBIA 2214
;Reference to ^PS(50.605 supported by DBIA 696
;External reference to EN1^GMRAOR2 supported by DBIA 2422
;External reference to GETDATA^GMRAOR supported by DBIA 4847
;External reference to ^TMP("GMRAOC" supported by DBIA 4848
;External reference to ^XUSEC("PSORPH" supported by DBIA 10076
;External reference to CLIST^PSNAPIS supported by DBIA 2574
;External reference to ^GMRD(120.82,D0, supported by DBIA 5690
;External reference to GETOC4^OROCAP11 supported by DBIA 5729
;External reference to INGR^PSNNGR supported by DBIA 5728
;External reference to ^PS(55 supported by DBIA 2228
;External reference to ^PS(53.1 supported by DBIA 5793
;
N PSOACK,DFN,PSODAL K TRU
K ^TMP($J,"PSODRCLS"),DSPLQ,PSOMDC,^TMP("PSODAOC",$J),^TMP("GMRAOC",$J) S DFN=PSODFN
I $D(PSODRUG("NDF")) S NDF=$P(PSODRUG("NDF"),"A"),TYP=$P(PSODRUG("NDF")
,"A",2),PTR=NDF_"_"_TYP
I $G(NDF) D CHK S NDF=$P(PSODRUG("NDF"),"A")
I '$G(NDF) D CHK1
I $D(PSODRUG("VA CLASS")), $G(TRU) D CLASS
I $G(^TMP($J,"PSODRCLS",0))!$G(TRU) D
.I '$D(^XUSEC("PSORPH",DUZ)), $D(PSOMDC) K DIR S DIR(0)="E",DIR("?")="Press Return to
continue",DIR("A")="Press Return to continue" D ^DIR K DIR,DUOUT,DIRUT Q
.I $D(PSJDGCK)!$D(PSODGCK) K DIR S DIR(0)="E",DIR("?")="Press Return to
continue",DIR("A")="Press Return to continue" D ^DIR K DIR,DUOUT,DIRUT W @IOF Q
.S DIR("?"),1)="Answer 'YES' if you DO want to enter a intervention for this medication,"
.S DIR("?")=" 'NO' if you DON'T want to enter a intervention for this medication,"
.S DIR(0)="SA^1:YES;0:NO",DIR("A")="Do you want to Intervene? ",DIR("B")="YES" D ^DIR
Q:'Y S PSODAL=1
D ^PSORXI I $G(PSODAL("DA")) S $P(^TMP("PSODAOC",$J,1,0),"^",5)=PSODAL("DA")
EX K DIR,DTOUT,DIRUT,DIROUT,DUOUT,Y,DSPLQ,PSJAOC,PSOMDC
K PSOACK,GMRAING,I,APTR,GMRA,GMRL,LP,^TMP($J,"PSODRCLS"),^TMP("GMRAOC",$J)
I $D(PSJDGCK)!$D(PSODGCK) K ^TMP("PSODAOC",$J)
Q
;
CHK ;matched to ndf
K ^TMP("PSODAI",$J) S PSOACK=$$ORCHK^GMRAOR(DFN,"DR",PTR) D:$G(PSOACK)=1
Q:$D(^XUSEC("PSORPH",DUZ))
.S ^TMP("PSODAI",$J,0)=1
.S I=0 F S I=$O(GMRAING(I)) Q:'I S ^TMP("PSODAI",$J,I,0)=GMRAING(I)
D SYM
D:$G(PSOACK)!($G(TRU)) DSPLY
Q
CHK1 ;not matched to ndf
K ^TMP("PSODAI",$J)
S GMRA="0^0^001" D EN1^GMRADPT F LP=0:0 S LP=$O(GMRAL(LP)) Q:'LP!($G(PS
OACK)) D:$D(^GMR(120.8,LP,0))
.S:$G(PSOACK) APTR=$P(^GMR(120.8,LP,0),"^",3)
.I $P(APTR,";",2)="PSDRUG(",$P(APTR,";"))=PSODRUG("IEN") S PSOACK=1
Q:$D(^XUSEC("PSORPH",DUZ)) S:$G(PSOACK)=1 ^TMP("PSODAI",$J,0)=1
D SYM
D:$G(PSOACK)!($G(TRU)) DSPLY
Q
DSPLY ;
Q:'$G(TRU)
D FULL^VALM1
N AGNL,SEV,SEVT,SEVN D EN1^GMRAOR2(TRU,"AGNL")
S ^TMP("PSODAOC",$J,1,0)=PSODRUG("IEN")_"^"_"L"_"^"_"S($G(TRU):$P(GMRAL
(TRU),"^",9),1:"None Found")_"^^^V^"_"$E($P($G(AGNL),"^",5))
I $O(AGNL("O",0)) S SEV=0 D
.F I=1:1 S SEV=$O(AGNL("O",SEV)) Q:SEV<1 I $P(AGNL("O",SEV),"^",2)]""
S SEVT=$P(AGNL("O",SEV),"^",2),SEVN=$S(SEVT="MILD":1,SEVT="MODERATE":2,SEVT="SEVERE":3,1:"")
S ^TMP("PSODAOC",$J,1,0)=^TMP("PSODAOC",$J,1,0)"_"^"_"S($G(SEVN):SEVN,1:"")
D
.W $C(7),!,"A Drug-Allergy Reaction exists for this medication and/or class!",!
```



```

.I '$D(PSODGCK) W !," Prospective Drug: "_PSODRUG("NAME")
.I '$D(PSODGCK),'$D(PSODGCKF) W !," Prospective Drug: "_PSODRUG("NAME")
.I '$D(PSODGCK),$D(PSODGCKF) W !," Profile Drug: "_PSODRUG("NAME")
.W !," Causative Agent: "_$S($G(TRU):$P(GMRAL(TRU),"^",2),1:"None Found")
.W !," Historical/Observed: "_$S($G(TRU):$P($G(AGNL),"^",5),1:"Not Entered")
.W !," Severity: "_$S($G(SEVT)]""SEVT,1:"Not Entered"),!
.I $O(GMRAING(0)) D S DSPLQ=1
..W ?7," Ingredients: "
..K ^UTILITY($J,"W") S DIWL=1,DIWR=57,DIWF=""
..F ZX=0:0 S ZX=$O(GMRAING(ZX)) Q:'ZX S X=GMRAING(ZX)_" , " D ^DIWP
..F ZX=0:0 S ZX=$O(^UTILITY($J,"W",1,ZX)) Q:'ZX W ?22,^UTILITY($J,"W",
1,ZX,0) I $O(^UTILITY($J,"W",1,ZX)) W !
..K ^UTILITY($J,"W"),DIWL,DIWR,DIWF,I,ZX,X W !
..K ^TMP("PSN",$J)
..S PSNDA=PSODRUG("IEN"),PSNID=PSODRUG("NDF") D INGR^PSNNGR ;returns ingre ptrs
..F I=0:0 S I=$O(^TMP("PSN",$J,I)) Q:'I S ^TMP("PSODAOC",$J,2,I)=I
..K ^TMP("PSN",$J),PSNDA,PSNID
I $O(GMRAL(TRU,"S",0)) S ZI=TRU D SYM1 Q
E W ?3," Signs/Symptoms: None Entered",!
Q
;
CLASS
;
N CPT,CLCHK,CT,AGNL,CC,GMRA,LEN S LEN=4
I $E($G(PSODRUG("VA CLASS")),1,4)="CN10" S LEN=5 ;look at 5 chars if ANALGESICS
K ^TMP($J,"PSODRCLS")
I $T(GETDATA^GMRAOR)]"" G CLASS2 ; CHECK FOR EXISTENCE OF NEW ENTRY POINT BEFORE USING
S CLCHK=""
S GMRA="0^0^111" D EN1^GMRAOPT F CC=0:0 S CC=$O(GMRAL(CC)) Q:'CC D
.K AGNL D EN1^GMRAOR2(CC,"AGNL")
.I '$D(AGNL("V")) F CT=0:1 S CPT=$O(AGNL("V",CT)) Q:'CPT I $E($P($G(AGN
L("V",CPT)),"^"),1,LEN)=$E(PSODRUG("VA CLASS"),1,LEN) D
..S CLCHK=$G(CLCHK)+1,^TMP($J,"PSODRCLS",CLCHK)=$P($G(AGNL("V",CPT)),"^
")_" "_$P($G(AGNL("V",CPT)),"^",2)
G CLASSDSP
CLASS2
;
N RET
S RET=$$DRCL(DFN)
I '$G(RET) Q
S CLCHK="",CT="" F S CT=$O(GMRADRL(CT)) Q:CT="" D
.I $E(PSODRUG("VA CLASS"),1,LEN)=$E(CT,1,LEN) S CLCHK=$G(CLCHK)+1,^TMP(
$J,"PSODRCLS",CLCHK)=CT_" "_$P(GMRADRL(CT)),"^",2)
CLASSDSP ;
I $O(^TMP($J,"PSODRCLS",0)) W ?8," Drug Class: "
K ^UTILITY($J,"W") S DIWL=1,DIWR=55,DIWF="" N ZPSODC
S CT="" F S CT=$O(^TMP($J,"PSODRCLS",CT)) Q:CT="" D
..S ZPSODC=$P(^TMP($J,"PSODRCLS",CT))_" ",^TMP("PSODAOC",$J,1,CT)=$O(^PS(50.605,"B"
,ZPSODC,0))
..S X=^TMP($J,"PSODRCLS",CT)_" , " D ^DIWP
F ZX=0:0 S ZX=$O(^UTILITY($J,"W",1,ZX)) Q:'ZX W ?22,^UTILITY($J,"W",1,ZX,0),!
K ^UTILITY($J,"W"),DIWL,DIWR,DIWF,CT,ZX,ZPSODC
N ZORN,X K ^UTILITY($J,"W") S DIWL=1,DIWR=50,DIWF="" N Z,ZI,ZX,ZOV
I $G(ORD),'$G(HPOERR)+$G(^PS(52.41,ORD,0)) S ZORN=$P(^PS(52.41,ORD,0)),"^")
I $G(PSOVRXN) S ZORN=$P(^PSRX(PSOVRXN,"OR1")),"^",2)
I $G(ZRXN) N ZORN,X S ZORN=$P(^PSRX(ZRXN,"OR1")),"^",2)
;
I +$G(PSJORD) D
.I PSJORD["P" S ZORN=+$P(^PS(53.1,+PSJORD,0),U,21)
.I PSJORD["U" S ZORN=+$P(^PS(55,DFN,5,+PSJORD,0),U,21)
.I PSJORD["V" S ZORN=+$P(^PS(55,DFN,"IV",+PSJORD,0),U,21)
G:'$G(ZORN) NF
D GETOC4^OROCAPIL(ZORN,.RET)
F ZI=0:0 S ZI=$O(RET(ZORN,"DATA",ZI)) Q:'ZI I $P(RET(ZORN,"DATA",ZI,1)
,"^")=3,$G(RET(ZORN,"DATA",ZI,"OR",1,0))]"" S ZOV=$G(RET(ZORN,"DATA",ZI,"OR",1,0))
NF
W ?3,"Provider Override Reason: " S X=$S($G(ZOV))""ZOV,1:"N/A - Order Entered Through
Vista") D ^DIWP
F ZX=0:0 S ZX=$O(^UTILITY($J,"W",1,ZX)) Q:'ZX W ?29,^UTILITY($J,"W",1,ZX,0),!
K ^UTILITY($J,"W"),DIWL,DIWR,DIWF,ZORN,RET
;ps0*7*401
I $D(PSOMDC) D
.W !,"Warning: The following drug class does not exist in the VA DRUG CLASS"
.W !,"file (#50.605). Please do a manual Drug-Allergy order check and notify"

```

```

.W !,"the pharmacy ADPAC for follow up.",!
.S PSOMDC="" F S PSOMDC=$O(PSOMDC(PSOMDC)) Q:PSOMDC="" W !,"VA Drug Class: "_PSOMDC,!
.W ! S DIR("A")="Press Return to continue",DIR(0)="E",DIR("?")="Press Return to
continue"
.D ^DIR K DIR W !
Q
;
DRCL(DFN) ;
N RET S RET=0 K GMRADRCL D GETDATA^GMRAOR(DFN)
Q:$D(^TMP("GMRAOC",$J,"APC")) 0
N GMRACL S GMRACL="" F S GMRACL=$O(^TMP("GMRAOC",$J,"APC",GMRACL)) Q:$L(GMRACL) D
.N GMRANM,GMRALOC S GMRALOC=^TMP("GMRAOC",$J,"APC",GMRACL)
.I '$O(^PS(50.605,"B",GMRACL,0)) S PSOMDC(GMRACL)="" Q ;PSO*7*401
.S GMRANM=$P($G(^PS(50.605,$O(^PS(50.605,"B",GMRACL,0)),0)),U,2)
.S GMRADRCL(GMRACL)=GMRACL_U_GMRANM_ (" _GMRALOC_"),RET=RET+1
K ^TMP("GMRAOC",$J)
Q RET
;
SYM ;signs/symptom pso*7*390
N NDF,ZI,PSCLASS,ZXX,ZLP,ZVAC,CT,XLP,ZLP,I,ZX,ZING S TRU=0
S GMRA="0^0^111" D EN1^GMRADPT S NDF=$P(PSODRUG("NDF"),"A")
N LEN S LEN=4 I $E($G(PSODRUG("VA CLASS")),1,4)="CN10" S LEN=5
;
F ZI=0:0 S ZI=$O(GMRAL(ZI)) Q:'ZI!($G(TRU)) I $P(GMRAL(ZI),"^",2)=$G(PSODRUG("OIN")) S
TRU=ZI
Q:$G(TRU)
I $G(PSODRUG("VA CLASS"))]"" S ZI=+$O(^GMR(120.8,"APC",DFN,PSODRUG("VA CLASS"),0)) I ZI
S TRU=ZI
Q:$G(TRU)
S ZVAC=$E($G(PSODRUG("VA CLASS")),1,LEN)
S ZDC="" F S ZDC=$O(^GMR(120.8,"APC",DFN,ZDC)) Q:ZDC=""!($G(TRU)) D
.I $E(ZDC,1,LEN)=ZVAC S TRU=$O(^GMR(120.8,"APC",DFN,ZDC,0))
Q:$G(TRU)
K ZAGNL,^TMP("PSN",$J) N ZIN,ZIIN,ZI
S PSNDA=PSODRUG("IEN"),PSNID=PSODRUG("NDF") D INGR^PSNNGR
F ZI=0:0 S ZI=$O(GMRAL(ZI)) Q:'ZI!($G(TRU)) D EN1^GMRAOR2(ZI,"ZAGNL") D
.F ZIN=0:0 S ZIN=$O(ZAGNL("I",ZIN)) Q:'ZIN!($G(TRU)) F ZIIN=0:0 S ZIIN
=$O(^TMP("PSN",$J,ZIIN)) Q:'ZIIN!($G(TRU)) D
..I ZAGNL("I",ZIN)=^TMP("PSN",$J,ZIIN) S TRU=ZI
K ZAGNL,^TMP("PSN",$J)
Q:$G(TRU)
F ZI=0:0 S ZI=$O(GMRAL(ZI)) Q:'ZI!($G(TRU)) S ZLP=$P(GMRAL(ZI),"^",9)
I $P(ZLP,";",2)=NDF,$P(ZLP,";",2)="PSNDF(50.6," S TRU=ZI
Q:$G(TRU)
S ZVAC=$E($G(PSODRUG("VA CLASS")),1,LEN)
F ZI=0:0 S ZI=$O(GMRAL(ZI)) Q:'ZI!($G(TRU)) S ZLP=$P(GMRAL(ZI),"^",9)
I $P(ZLP,";",2)="PSNDF(50.6," D
.S CT=$$CLIST^PSNAPIS($P(ZLP,";"),.PSCLASS)
.F ZXX=0:0 S ZXX=$O(PSCLASS(ZXX)) Q:'ZXX!($G(TRU)) I $E($P(PSCLASS(ZXX
),"^",2),1,LEN)=ZVAC S TRU=ZI
Q:$G(TRU)
N ZI,ZLP,ZVAC,ZXX,AVAC,ZING,ZXP
F ZI=0:0 S ZI=$O(GMRAL(ZI)) Q:'ZI!($G(TRU)) S ZLP=$P(GMRAL(ZI),"^",9)
I $P(ZLP,";",2)="PS(50.416," D
.F ZXP=0:0 S ZXP=$O(^PS(50.416,$P(ZLP,";"),1,ZXP)) Q:'ZXP I $P(^PS(50.
416,$P(ZLP,";"),1,ZXP,0),"A")=TYP S TRU=ZI
Q:$G(TRU)
K ZAGNL N ZIN,ZIIN,ZVAC S ZVAC=$E($G(PSODRUG("VA CLASS")),1,LEN)
F ZI=0:0 S ZI=$O(GMRAL(ZI)) Q:'ZI!($G(TRU)) D
.K ZAGNL D EN1^GMRAOR2(ZI,"ZAGNL") K ZIN
.F ZIN=0:0 S ZIN=$O(ZAGNL("V",ZIN)) Q:'ZIN!($G(TRU)) S ZIIN=$P(ZAGNL("V",ZIN),"^") I
$E(ZIIN,1,LEN)=ZVAC S TRU=ZI
K ZAGNL
Q
;
SYM1 ;format signs/symptoms
K ^UTILITY($J,"W"),X S DIWL=1,DIWR=51,DIWF=""
F ZX=0:0 S ZX=$O(GMRAL(ZI,"S",ZX)) Q:'ZX D
.S ^TMP("PSODAOC",$J,3,ZX)=$P(GMRAL(ZI,"S",ZX),";",2),X=$P(GMRAL(ZI,"S",ZX),"_", " D
^DIWP
W ?4," Signs/Symptoms: "

```

F ZX=0:0 S ZX=\$O(^UTILITY(\$J,"W",1,ZX)) Q:'ZX W ?22,^UTILITY(\$J,"W",1,ZX,0),! K ^UTILITY(\$J,"W"),DIWL,DIWR,DIWF,I,ZX Q
Modified Logic (Changes are in bold)

6.2.12.1.2.4 DAOC^PSONEW - Store & View Order Check Details/History Order Check Details

Routine Name	DAOC^PSONEW			
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change			
SRS Traceability	CR793			
Related Options	N/A			
Related Routines	Routines “Called By”		Routines “Called”	
	PSONEW, PSOCAN2, PSOORNE4, PSORENW, PSOVER1		SAVEOC^OROCAP1(.ORL,.RET)	
Data Dictionary References	^ORD(100.05,			
Related Protocols	N/A			
Related Integration Agreements	5729, 5731			
Data Passing	<input checked="" type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input checked="" type="checkbox"/> Global Reference <input checked="" type="checkbox"/> Local			
Input Attribute Name and Definition	Name: Definition:			
Output Attribute Name and Definition	Name: Definition:			
Current Logic:				
<pre>PSONEW ;BIR/SAB-new rx order main driver ;07/26/96 ; ;7.0;OUTPATIENT PHARMACY;**11,27,32,46,94,130,268,225,251,379,390,417**;DEC 1997;Build 7 ;External references L and UL^PSSLOCK supported by DBIA 2789 ;External reference to ^VA(200 supported by DBIA 224 ;External reference to ^XUSEC supported by DBIA 10076 ;External reference to ^ORX1 supported by DBIA 2186 ;External reference to ^ORX2 supported by DBIA 867 ;External reference to ^TIUEDIT supported by DBIA 2410 ;External reference to SAVEOC4^OROCAP1 supported by DBIA 5729 ;External reference to ^ORD(100.05, supported by DBIA 5731 ;----- OERR ;backdoor new rx for v7 K PSOREEDT,COPY,SPEED,PSOEDIT,DUR,DRET N PSOCKCON,PSODAO S PSOPLCK=\$\$L^PSSLOCK(PSODFN,0) I '\$G(PSOPLCK) D LOCK^PSOORCPY S VALMSG =\$S(\$P(\$G(PSOPLCK),"^",2)'="" :\$P(\$G(PSOPLCK),"^",2)" is working on this patient.",1:"Another person is entering orders for this patient.") K PSOPLCK S VALMBCK="" Q K PSOPLCK S X=PSODFN_;DPT(" D LK^ORX2 I 'Y S VALMSG="Another person is entering orders for this patient.",VALMBCK="" D UL^PSSLOCK(PSODFN) Q AGAIN N VALMCNT K PSODRUG,PSOCO,PSOCO,PSONOR,PSORX("FN"),PSORX("DFLG"),PSOQUIT,POERR S PSORX("DFLG")=0 W ! D HLDHDR^PSOLMUTL S (PSONEW("QFLG"),PSONEW("DFLG"),PSOQUIT)=0,PSOFROM="NEW" ,PSONOEDT=1 K ORD D FULL^VALM1,^PSONEW1 ; Continue order entry I PSONEW("QFLG") G END I PSONEW("DFLG") W !,\$C(7),"RX DELETED",! S:\$G(POERR) POERR("DFLG")=1,VALMBCK="Q" G END D:\$P(\$G(PSOPAR),"^",7)=1 AUTO^PSONRXN I \$P(\$G(PSOPAR),"^",7)'=1 S PSOX=</pre>				

```

PSONEW("RX #") D CHECK^PSONRXN
I PSONEW("DFLG")!PSONEW("QFLG") D DEL S:$G(POERR) POERR("DFLG")=1,VALMBCK="R" G END
D NOOR I PSONEW("DFLG") D DEL G END
D ^PSONEW2 I PSONEW("DFLG") D DEL S:$G(POERR) POERR("DFLG")=1,VALMBCK="R" G END ; Asks
if correct
G:$G(PSORX("FN")) END
D EN^PSON52(.PSONEW) ; Files entry in File 52
D NPSOSD^PSOUTIL(.PSONEW) ; Adds newly added rx to PSOSD array
S VALMBCK="R"
END
D EOJ ; Clean up
I '$G(PSORX("FN")) W ! K DIR,DIRUT,DUOUT,DTOUT S DIR(0)="Y",DIR("B")="YES",
DIR("A")="Another New Order for "_PSORX("NAME") D ^DIR K DIR,DIRUT,DUOUT,DTOUT I Y K
PSONEW,PSDRUG,ORD G AGAIN
D ^PSOBUILD,BLD^PSOORUT1 S X=PSODFN_",DPT(" D ULK^ORX2 D UL^PSSLOCK(PSODFN)
D RV^PSOORFL
S VALMBCK="R" K PSORX("FN") Q
;-----
DEL
;
W !,$C(7),"RX DELETED",!
I $P($G(PSOPAR),"^",7)=1 D
. S DIE="^PS(59,"DA=PSOSITE,PSOY=$O(PSONEW("OLD LAST RX#",""))
. S PSOX=PSONEW("OLD LAST RX#",PSOY)
. L +^PS(59,+PSOSITE,PSOY):$S(+$G(^DD("DILOCKTM"))>0:+^DD("DILOCKTM"),1:3)
. S DR=$S(PSOY=8:"2003////_PSOX,PSOY=3:"1002.1////_PSOX,1:"2003////_PSOX)
. D:PSOX<$P(^PS(59,+PSOSITE,PSOY),"^",3) ^DIE K DIE,X,Y
. L -^PS(59,+PSOSITE,PSOY)
. K PSOX,PSOY Q
EOJ
;
I $D(PSONEW("RX #")) L -^PSRX("B",PSONEW("RX #")) ; +Lock set in PSONRXN
K PSONOEDT,PSONEW,PSODRUG,ANQDATA,LSI,C,MAX,MIN,NDF,REF,SIG,SER,PSOFLAG
,PSOHI,PSOLO,PSONOR,PSOCOUI,PSOCOU,PSORX("EDIT")
D CLEAN^PSOVER1
K ^TMP("PSORXDC",$J),RORD,ACOM,ACNT,CRIT,DEF,F1,GG,I1,IEN,INDT,LAST,MSG
,NIEN,STA,DUR,DRET,PSOPRC
S (ZRXN,RXN)=$O(^TMP("PSORXN",$J,0)) I RXN D
. S RXN1=^TMP("PSORXN",$J,RXN) D EN^PSOHLN1(RXN,$P(RXN1,"^"),$P(RXN1,"^
",2),"", $P(RXN1,"^",3))
. I $P(^PSRX(RXN,"STA"),"^")=5 D EN^PSOHLN1(RXN,"SC","ZS","")
. ;saves drug allergy order chks pso*7*390
. I +$G(^TMP("PSODAC",$J,1,0)) D
. . S RXN=ZRXN,PSODAC="Rx Backdoor "_$S($P(^PSRX(RXN,"STA"),"^")=4:"NON-VERIFIED "
1:"")_"NEW Order Acceptance_OP"
. . D DAOC
K ZRXN,RXN,RXN1,^TMP("PSORXN",$J),^TMP("PSODAC",$J),RET,PSODAC
I $G(PSONOTE) D FULL^VALM1,MAIN^TIUEDIT(3,.TIUDA,PSODFN,"","","","1)
K PSONOTE,PSOCKCON
;W !! K DIR S DIR(0)="E",DIR("?")="Press Return to continue",DIR("A")="Press Return to
Continue" D ^DIR K DIR,DTOUT,DUOUT
Q
NOOR ;asks nature of order
N PSONOOF
S PSONOOF=0
I $G(OR0) D G NOORX ;front door
. S PSOI=$S($G(PSOSIGFL):1,$G(PSODRUG("OI"))'=$P(OR0,"^",8):1,1:0) I 'PSOI S PSONOR=""
D:$D(^XUSEC("PSORPH",DUZ)) COUN Q ;NoO $P(OR0,"^",7)
. S PSONOOF=1
. D DIR I $D(DIRUT) S PSONEW("DFLG")=1 Q
. S PSONOR=Y D:$D(^XUSEC("PSORPH",DUZ)) COUN K DIR,DTOUT,DTOUT,DIRUT
;backdoor order
D DIR I $D(DIRUT) S PSONEW("DFLG")=1,VALMBCK="Q" Q
S PSONOR=Y K DIK,DA,DIE,DR,PSOI,DIR,DUOUT,DTOUT,DIRUT
G:'$D(^XUSEC("PSORPH",DUZ)) NOORX
COUN ;patient counseling
G:$G(PSORX("EDIT"))&('$G(PSOSIGFL)) NOORX K DIR,DUOUT,DTOUT,DIRUT
S DIR("B")="NO",DIR(0)="52,41" D ^DIR S PSOCOUI=$S(Y:Y,1:0)
I $D(DIRUT)!('PSOCOUI) S PSOCOUI=0 D:'$G(SPEED) PRONTE Q
K:$G(PSOCOUI) PSOCOUI K DIR,DUOUT,DTOUT,DIRUT I Y S DIR(0)="52,42",DIR("B")="NO" D ^DIR S
PSOCOUI=$S(Y:Y,1:0)
PRONTE K PSONOTE,DIR,DIRUT,DUOUT
I $T(MAIN^TIUEDIT)]", '$G(SPEED) D K DIR,DIRUT,DUOUT
. S DIR(0)="Y",DIR("B")="No",DIR("A")="Do you want to enter a Progress Note",

```

DIR("A",1)=""	<pre> D ^DIR K DIR .S PSONOTE=+Y Q ;I 'Y!(\$D(DIRUT)) Q NOORX K X,Y,DIR,DUOUT,DTOUT,DIRUT Q DIR ;ask nature of order K DIR,DTOUT,DTOUT,DIRUT I \$T(NA^ORX1)]"" D Q .S PSONOOR=\$\$NA^ORX1(\$S(\$G(PSONODF)!(\$G(PSONOBCK)):"S",1:"W"),0,"B","Nature of Order",0,"WPSDIVR"_\$S(+ \$G(^VA(200,DUZ,"PS")):"E",1:"")) .I +PSONOOR S (Y,PSONOOR)=\$P(PSONOOR,"^",3) Q .S DIRUT=1 K PSONOOR I \$D(PSONOOR) S DF=PSONOOR,PSONODF=\$S(DF="E":"PROVIDER ENTERED",DF="V": "VERBAL",DF="P":"TELEPHONE",DF="D":"DUPLICATE",DF="S":"SERVICE CORRECTED",DF="I": "POLICY",DF="R":"SERVICE REJECTED",1:"WRITTEN") K DIR,DTOUT,DTOUT,DIRUT S DIR("A")="Nature of Order: ",DIR("B")=\$S(\$D(P SONOOR):PSONODF,1:"WRITTEN") S DIR(0)="SA^W:WRITTEN;V:VERBAL;P:TELEPHONE;S:SERVICE CORRECTED;D:DUPLICATE; I:POLICY;R:SERVICE REJECTED"_\$S(+ \$G(^VA(200,DUZ,"PS")):"E:PROVIDER ENTERED",1:"") D ^DIR K DF,PSONODF Q:\$D(DIRUT) S PSONOOR=Y DIRX Q ; NOORE(PSONEW) ;entry point for renew D NOOR I \$D(DIRUT) S PSONEW("DFLG")=1 Q S PSONEW("NOO")=PSONOOR Q DAOC ;stores drug allergies w/sign/symptoms Q:\$D(^TMP("PSODAC", \$J,1,0)) N DA,OCCDT,ORN,ORL,Z,RET S OCCDT=\$\$NOW^XLFD,ORN=\$P(^PSRX(RXN,"OR1"),"^",2) S ORL(1,1)=ORN_"^"_PSODAC_"^"_DUZ_"^"_OCCDT_"^3^" S ORL(1,2)="A Drug-Allergy Reaction exists for this medication and/or class" D SAVEOC^OROCAP11(.ORL,.RET) S DA=\$O(RET(1,0)) Q:'DA S \$P(^ORD(100.05,DA,0),"^",2)=6 S ^ORD(100.05,DA,4,0)="100.517PA^1^1" S ^ORD(100.05,DA,4,1,0)^TMP("PSODAC", \$J,1,0) S ^ORD(100.05,DA,4,"B",\$P(^TMP("PSODAC", \$J,1,0),"^"),1)="" ; I \$O(^TMP("PSODAC", \$J,1,0)) F I=0:0 S I=\$O(^TMP("PSODAC", \$J,1,I)) Q:'I D .S ^ORD(100.05,DA,4,1,1,0)="100.5173PA^"_I_"^"_I .S ^ORD(100.05,DA,4,1,1,I,0)^TMP("PSODAC", \$J,1,I) .S ^ORD(100.05,DA,4,1,1,"B",^TMP("PSODAC", \$J,1,I),I)="" ; I \$O(^TMP("PSODAC", \$J,2,0)) S Z=0 F I=0:0 S I=\$O(^TMP("PSODAC", \$J,2,I)) Q:'I S Z=Z+1 D .S ^ORD(100.05,DA,4,1,2,0)="100.5174PA^"_Z_"^"_Z .S ^ORD(100.05,DA,4,1,2,Z,0)^TMP("PSODAC", \$J,2,I) .S ^ORD(100.05,DA,4,1,2,"B",^TMP("PSODAC", \$J,2,I),Z)="" ; I \$O(^TMP("PSODAC", \$J,3,0)) F I=0:0 S I=\$O(^TMP("PSODAC", \$J,3,I)) Q:'I D .S ^ORD(100.05,DA,4,1,3,0)="100.5175PA^"_I_"^"_I .S ^ORD(100.05,DA,4,1,3,I,0)^TMP("PSODAC", \$J,3,I) .S ^ORD(100.05,DA,4,1,3,"B",^TMP("PSODAC", \$J,3,I),I)="" K ^TMP("PSODAC", \$J) Q </pre>
Modified Logic (Changes are in bold)	
DAOC ;adds all backdoor order checks to file 100.05.	
D ^PSONEWOC K ^TMP("PSODAC", \$J)	
Q	

6.2.12.1.2.5 PSONEW

Routine Name	PSONEW
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change
SRS Traceability	
Related Options	Enter New Rx Order

Related Routines	Routines “Called By”	Routines “Called”
	N/A	
Data Dictionary References	N/A	
Related Protocols	N/A	
Related Integration Agreements	5729 & 5731	
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	Name: Definition:	
Output Attribute Name and Definition	Name: Definition:	
Current Logic		
<pre>EOJ ; I \$D(PSONEW("RX #")) L -^PSRX("B",PSONEW("RX #")) ; +Lock set in PSONRXN K PSONOEDT,PSONEW,PSODRUG,ANQDATA,LSI,C,MAX,MIN,NDF,REF,SIG,SER,PSOFLAG,PSOHI,PSOLO,PSONOOR,PSOCOUI ,PSOCOUI,PSORX("EDIT") D CLEAN^PSOVER1 K ^TMP("PSORXDC",\$J),RORD,ACOM,ACNT,CRIT,DEF,F1,GG,I1,IEN,INDT,LAST,MSG,NIEN,STA,DUR,DRET,PSOPRC S (ZRXN,RXN)=\$O(^TMP("PSORXN",\$J,0)) I RXN D .S RXN1=^TMP("PSORXN",\$J,RXN) D EN^PSOHLN1(RXN,\$P(RXN1,"^"),\$P(RXN1,"^",2),"",\$P(RXN1,"^",3)) .I \$P(^PSRX(RXN,"STA"),"^")=5 D EN^PSOHLN1(RXN,"SC","ZS","") .;saves drug allergy order chks pso*7*390 .I +\$G(^TMP("PSODAC",\$J,1,0)) D ..S RXN=ZRXN,PSODAC="Rx Backdoor" _\$S(\$P(^PSRX(RXN,"STA"),"^")=4:"NON-VERIFIED ",1:"")_NEW Order Acceptance_OP" ..D DAOC K ZRXN,RXN,RXN1,^TMP("PSORXN",\$J),^TMP("PSODAC",\$J),RET,PSODAC I \$G(PSONOTE) D FULL^VALM1,MAIN^TIUEDIT(3,.TIUDA,PSODFN,"","","","",1) K PSONOTE,PSOCKCON ;W !! K DIR S DIR(0)="E",DIR("?")="Press Return to continue",DIR("A")="Press Return to Continue" D ^DIR K DIR,DTOUT,DUOUT Q</pre>		
Modified Logic (Changes are in bold)		
<pre>EOJ ; I \$D(PSONEW("RX #")) L -^PSRX("B",PSONEW("RX #")) ; +Lock set in PSONRXN K PSONOEDT,PSONEW,PSODRUG,ANQDATA,LSI,C,MAX,MIN,NDF,REF,SIG,SER,PSOFLAG,PSOHI,PSOLO,PSONOOR,PSOCOUI ,PSOCOUI,PSORX("EDIT") D CLEAN^PSOVER1 K ^TMP("PSORXDC",\$J),RORD,ACOM,ACNT,CRIT,DEF,F1,GG,I1,IEN,INDT,LAST,MSG,NIEN,STA,DUR,DRET,PSOPRC S (ZRXN,RXN)=\$O(^TMP("PSORXN",\$J,0)) I RXN D .S RXN1=^TMP("PSORXN",\$J,RXN) D EN^PSOHLN1(RXN,\$P(RXN1,"^"),\$P(RXN1,"^",2),"",\$P(RXN1,"^",3)) .I \$P(^PSRX(RXN,"STA"),"^")=5 D EN^PSOHLN1(RXN,"SC","ZS","") .;saves drug allergy order chks pso*7*390 .D DAOC K ZRXN,RXN,RXN1,^TMP("PSORXN",\$J),^TMP("PSODAC",\$J),RET,PSODAC I \$G(PSONOTE) D FULL^VALM1,MAIN^TIUEDIT(3,.TIUDA,PSODFN,"","","","",1) K PSONOTE,PSOCKCON ;W !! K DIR S DIR(0)="E",DIR("?")="Press Return to continue",DIR("A")="Press Return to Continue" D ^DIR K DIR,DTOUT,DUOUT Q</pre>		

6.2.12.1.2.6 PSONEWOC

Routine Name	PSONEWOC		
Enhancement Category	<input checked="" type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change		
SRS Traceability			
Related Options	Enter New Rx Order		
Related Routines	Routines “Called By”	Routines “Called”	
	DAOC^PSONEW	PSONEW01	
Data Dictionary References	N/A		
Related Protocols	N/A		
Related Integration Agreements	5729 & 5731		
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local		
Input Attribute Name and Definition	Name:		
	Definition:		
Output Attribute Name and Definition	Name:		
	Definition:		
Current Logic N/A			
N/A			
Modified Logic (Changes are in bold)			
<pre> PSONEWOC ;BIR/SAB-STORES BACKDOOR ORDER CHECKS IN FILE #100.05 ;11/08/2012 ;;7.0;OUTPATIENT PHARMACY;**412**;DEC 1997;Build 31 ;External reference to SAVEOC4^OROCAP1 supported by DBIA 5729 ;External reference to ^ORD(100.05, supported by DBIA 5731 ; ACT ;store order checks I \$O(^TMP("PSODAC", \$J, "DD", 0))!(\$O(^TMP("PSODAC", \$J, "DDN", 0))!(\$O(^TMP("PSODAC", \$J, "DDR", 0))) D ADOR ;dup drug I \$G(^TMP("PSODAC", \$J, "CLOZ", 0))]" D CLOZ^PSONEW01 I \$O(^TMP("PSODAC", \$J, 0)) D DAOC ;drug allergies I \$O(^TMP("PSODAC", \$J, "DDI", 0))]"!(\$O(^TMP("PSODAC", \$J, "NDDI", 0))]" D DDI ;drug interaction I \$O(^TMP("PSODAC", \$J, "DDT", 0))!(\$O(^TMP("PSODAC", \$J, "NDDT", 0))) D DDT ;dup drug therapy I \$O(^TMP("PSODAC", \$J, "CPRS", 0)) D CPRS^PSONEW01 ;cprs order checks I \$G(^TMP("PSODAC", \$J, "NOSYS", 1, 0))]" D NOSYS^PSONEW01 ;fdb down I \$O(^TMP("PSODAC", \$J, "EXEC", 0)) D EXEC^PSONEW01 ;order chk execeptions I \$O(^TMP("PSODAC", \$J, "DRG", "ERROR", 0))!(\$O(^TMP("PSODAC", \$J, "THP", "ERROR", 0))) D ERROR^PSONEW01 ;order chk errors I \$O(^TMP("PSODAC", \$J, "DOSE", "ERROR", 0)) D DERROR^PSONEW01 ;dosing order chk errors I \$O(^TMP("PSODAC", \$J, "DOSE", "EXEC", 0)) D DEXEC^PSONEW01 ;dosing order chk exceptions I \$O(^TMP("PSODAC", \$J, "DOSE", "MSG", 0)) D DMSG^PSONEW01 ;dosing order chk messages I \$G(^TMP("PSODAC", \$J, "DOSE NOSYS", 1, 0))]" D NODSYS^PSONEW01 ;dosing fdb down K CT, IT, PSODAC, I, PI, XZX Q </pre>			

6.2.12.1.2.7 PSODGAL2

Routine Name	PSODGAL2
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change
SRS Traceability	CR793/CCR4410

Related Options	Rx Verification	
Related Routines	Routines “Called By”	Routines “Called”
	N/A	
Data Dictionary References	N/A	
Related Protocols	N/A	
Related Integration Agreements	N/A	
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	Name:	
	Definition:	
Output Attribute Name and Definition	Name:	
	Definition:	
Current Logic		
<pre>PSODGAL2 ;BIR/SAB-displays stored DRUG ALLERGY w/sign/symptoms ;10/27/11 02:22 ;;7.0;OUTPATIENT PHARMACY;**390**;DEC 1997;Build 85 ;External reference to ^PS(50.605, supported by DBIA 696 ;External reference to GETOC4^OROCAP11 supported by DBIA 5729 ;External reference to ^ORD(100.05 supported by DBIA 5731 ;External reference to ^GMRD(120.83 supported by DBIA 5767 ;External reference to ^VA(200 supported by DBIA 10060 ; W @IOF N ZORN,X,RET,DA,ZCNT,ZCNTT,XXI,ZZQ,DA,ZI,IT,SEVT,SEVN,ZFND S (ZCNT,ZCNTT,ZFND)=0 S DA=\$P(PSOLST(ORN),"^",2),ZORN=\$P(^PSRX(DA,"OR1"),"^",2) I 'ZORN W !,"NO Drug Allergy Order Checks found for Rx#: "\$P(^PSRX(DA,0),"^") G EXT K ^TMP("PSODAOCD",\$J) D GETOC4^OROCAP11(ZORN,.RET) I \$O(RET(ZORN,"DATA",""))="" W !,"NO Drug Allergy Order Checks found for Rx#: "\$P(^PSRX(DA,0),"^") G EXT F ZI=0:0 S ZI=\$O(RET(ZORN,"DATA",ZI)) Q:'ZI I \$P(RET(ZORN,"DATA",ZI,1),"^")=3 S ZCNTT=1 I 'ZCNTT W !,"NO Drug Allergy Order Checks found for Rx#: "\$P(^PSRX(DA,0),"^") G EXT F ZI=0:0 S ZI=\$O(RET(ZORN,"DATA",ZI)) Q:'ZI I \$P(RET(ZORN,"DATA",ZI,1),"^")=3 D .S ZCNT=ZCNT+1,^TMP("PSODAOCD",\$J,"AOC",ZCNT,0)=\$P(RET(ZORN,"DATA",ZI,0),"^",3)_"^"\$P(^VA(200,\$P(RET(ZORN,"DATA",ZI,0),"^",4),0),"^") .I \$G(RET(ZORN,"DATA",ZI,"OR",1,0))]" S ^TMP("PSODAOCD",\$J,"AOR",\$G(RET(ZORN,"DATA",ZI,"OR",1,0)))="" .; .F XXI=0:0 S XXI=\$O(^ORD(100.05,ZI,4,XXI)) Q:'XXI D:\$P(\$G(^ORD(100.05,ZI,4,XXI,0)),"^",3)]"" ..S ZFND=1,^TMP("PSODAOCD",\$J,"CA",\$P(^ORD(100.05,ZI,4,XXI,0),"^",3))="" ,^TMP("PSODAOCD",\$J,"OH")=\$P(^ORD(100.05,ZI,4,XXI,0),"^",7) ..S IT=+\$P(^ORD(100.05,ZI,4,XXI,0),"^",5) ..S SEVT=\$P(^ORD(100.05,ZI,4,XXI,0),"^",8),SEVN=\$S(SEVT=1:"MILD",SEVT=2:"MODERATE",SEVT=3:"SEVERE",1:"Not Entered") ..F ZZQ=0:0 S ZZQ=\$O(^ORD(100.05,ZI,4,XXI,1,ZZQ)) Q:'ZZQ S ^TMP("PSODAOCD",\$J,"DC",\$P(^ORD(100.05,ZI,4,XXI,1,ZZQ,0),"^"))=\$P(^PS(50.605,\$P(^ORD(100.05,ZI,4,XXI,1,ZZQ,0),"^"),0),"^")_"\$P(^(),)"^",2) ..F ZZQ=0:0 S ZZQ=\$O(^ORD(100.05,ZI,4,XXI,2,ZZQ)) Q:'ZZQ S ^TMP("PSODAOCD",\$J,"DI",\$P(^PS(50.416,\$P(^ORD(100.05,ZI,4,XXI,2,ZZQ,0),"^"),0),"^"))="" ..F ZZQ=0:0 S ZZQ=\$O(^ORD(100.05,ZI,4,XXI,3,ZZQ)) Q:'ZZQ S ^TMP("PSODAOCD",\$J,"SS",\$P(^GMRD(120.83,\$P(^ORD(100.05,ZI,4,XXI,3,ZZQ,0),"^"),0),"^"))="" I 'ZFND W !,"NO Drug Allergy Order Checks found for Rx#: "\$P(^PSRX(DA,0),"^") G EXT K ^UTILITY(\$J,"W") S DIWL=1,DIWR=55,DIWF="" N Z,ZI,ZX D FULL^VALM1 N ING,SS,DC,CA,OH,CAG S (ING,SS,DC,CA)="" S CA=\$O(^TMP("PSODAOCD",\$J,"CA","")) W !,"Drug Allergy Occurrence Event for Rx#: " \$P(^PSRX(DA,0),"^").!</pre>		


```

S CAG="^"_$P(CA,";",2)_$P(CA,";")_"",0)"
W !," Causative Agent: "$_$(CA="None Found":CA,1:$P(@ (CAG),"^"))
S OH=$G(^TMP("PSODAOCD",$J,"OH")) W !,"Historical/Observed:
"$_$(OH="H": "HISTORICAL",OH="O": "OBSERVED",1: "Not Entered")
W !," Severity: "$_SEVN
W !," Ingredient: " I $O(^TMP("PSODAOCD",$J,"DI",""))]" D
.F S ING=$O(^TMP("PSODAOCD",$J,"DI",ING)) Q:ING=" S X=ING_" " D ^DIWP
.F ZX=0:0 S ZX=$O(^UTILITY($J,"W",1,ZX)) Q: 'ZX W ?21,^UTILITY($J,"W",1,ZX,0),!
.K ^UTILITY($J,"W") S DIWL=1,DIWR=55,DIWF=" N Z,ZI,ZX
E W "None Entered",!
;
W " Signs/Symptoms: " I $O(^TMP("PSODAOCD",$J,"SS",""))]" D
.F S SS=$O(^TMP("PSODAOCD",$J,"SS",SS)) Q:SS=" S X=SS_" " D ^DIWP
.F ZX=0:0 S ZX=$O(^UTILITY($J,"W",1,ZX)) Q: 'ZX W ?21,^UTILITY($J,"W",1,ZX,0),!
.K ^UTILITY($J,"W") S DIWL=1,DIWR=55,DIWF=" N Z,ZI,ZX
E W "None Entered",!
;
W " Drug Class: " I $O(^TMP("PSODAOCD",$J,"DC",0))]" D
.F DC=0:0 S DC=$O(^TMP("PSODAOCD",$J,"DC",DC)) Q: 'DC S X=^TMP("PSODAOCD",$J,"DC",DC)_" " D
^DIWP
.F ZX=0:0 S ZX=$O(^UTILITY($J,"W",1,ZX)) Q: 'ZX W ?21,^UTILITY($J,"W",1,ZX,0),!
.K ^UTILITY($J,"W") S DIWL=1,DIWR=55,DIWF=" N Z,ZI,ZX
E W "None Found",!
;
K ^UTILITY($J,"W") S DIWL=1,DIWR=55,DIWF=" N Z,ZI,ZX,OR
S OR=" W "Provider Override Reason: " I $O(^TMP("PSODAOCD",$J,"AOR",""))]" D
.F S OR=$O(^TMP("PSODAOCD",$J,"AOR","")) S X=OR D ^DIWP
.F ZX=0:0 S ZX=$O(^UTILITY($J,"W",1,ZX)) Q: 'ZX W ?26,^UTILITY($J,"W",1,ZX,0),!
E W "N/A - Order Entered Through Vista",!
I $G(IT) D
.K DIC,DR,DIQ,DA,INTY S DIC=9009032.4,DA=IT,DR=".01;.03;.04;.08",DIQ="INTY" D EN^DIQ1
.W !," Intervention Date: "$_INTY(9009032.4,IT,.01)
.W !," Provider: "$_INTY(9009032.4,IT,.03)
.W !," Pharmacist: "$_INTY(9009032.4,IT,.04)
.W !," Recommendation: "$_INTY(9009032.4,IT,.08)
.K DIC,DR,DIQ,DA,INTY
E W !," Pharmacist Intervention Not Entered
EXT W !
K DIR,DUOUT,DIRUT,ZFND
S DIR(0)="E",DIR("A")="Press Return to Continue",DIR("?")="Press Return to Redisplay Rx."
D ^DIR S VALMBCK="R" K DIR,DUOUT,DIRUT,^TMP("PSODAOCD",$J)

```

Modified Logic (Changes are in bold)

```

PSODGAL2 ;BIR/SAB-displays stored DRUG ALLERGY w/sign/symptoms ;10/27/11 02:22
;;7.0;OUTPATIENT PHARMACY;**390,412**;DEC 1997;Build 31
;External reference to ^PS(50.605, supported by DBIA 696
;External reference to GETOC4^OROCAP11 supported by DBIA 5729
;External reference to ^ORD(100.05 supported by DBIA 5731
;External reference to ^GMRD(120.83 supported by DBIA 5767
;External reference to ^VA(200 supported by DBIA 10060
;
W @IOF
N
ZORN,X,RET,DA,ZCNT,ZCNTT,XXI,ZZQ,DA,ZI,IT,SEVT,SEVN,ZFND,ZDA,ZDATB,ZLOC S (ZCNT,ZCNTT,ZFND,ZMEDL)
=0
S DA=$P(PSOLST(ORN),"^",2),ZORN=$P(^PSRX(DA,"OR1"),"^",2)
I 'ZORN W !,"NO Drug Allergy Order Checks found for Rx#: "$_P(^PSRX(DA,0),"^") G EXT
K ^TMP("PSODAOCD",$J) D GETOC4^OROCAP11(ZORN,.RET)
I $O(RET(ZORN,"DATA",""))=" W !,"NO Drug Allergy Order Checks found for Rx#:
"$_P(^PSRX(DA,0),"^") G EXT
F ZI=0:0 S ZI=$O(RET(ZORN,"DATA",ZI)) Q: 'ZI I +$P(RET(ZORN,"DATA",ZI,1),";",2)=3 S ZCNTT=1
I 'ZCNTT W !,"NO Drug Allergy Order Checks found for Rx#: "$_P(^PSRX(DA,0),"^") G EXT
F ZI=0:0 S ZI=$O(RET(ZORN,"DATA",ZI)) Q: 'ZI I +$P(RET(ZORN,"DATA",ZI,1),";",2)=3 D
.S
ZDA=ZI,ZCNT=ZCNT+1,^TMP("PSODAOCD",$J,"AOC",ZCNT,0)=$P(RET(ZORN,"DATA",ZI,0),"^",3)"^"_$P(^VA(20
0,$P(RET(ZORN,"DATA",ZI,0),"^",4),0),"^")
.I $G(RET(ZORN,"DATA",ZI,"OR",1,0))]" S
^TMP("PSODAOCD",$J,"AOR",$G(RET(ZORN,"DATA",ZI,"OR",1,0)))="
.;
.F XXI=0:0 S XXI=$O(^ORD(100.05,ZI,4,XXI)) Q: 'XXI D:$P($G(^ORD(100.05,ZI,4,XXI,0)),"^")]"
..S

```

```

ZFND=1,^TMP("PSODAOCD",$J,"CA",$P(^ORD(100.05,ZI,4,XXI,0),"^"))=" ",ZMEDL=$P(^ORD(100.05,ZI,4,XXI,0),"^",4),^TMP("PSODAOCD",$J,"OH")=$P(^ORD(100.05,ZI,4,XXI,0),"^",7)
..S ZLOC=$P(^ORD(100.05,ZI,4,XXI,0),"^",2),ZDATE=$P(^ORD(100.05,ZI,4,XXI,0),"^",3)
..S ZDATB=$P($G(^ORD(100.05,ZI,8)),"^",4),ZDATB=$S(ZDATB="C": "COTS",1: "VISTA")
..S IT=+$P($G(^ORD(100.05,ZI,8)),"^")
..S
SEVT=$P(^ORD(100.05,ZI,4,XXI,0),"^",8),SEVN=$S(SEVT=1: "MILD",SEVT=2: "MODERATE",SEVT=3: "SEVERE",1: "Not Entered")
..F ZZQ=0:0 S ZZQ=$O(^ORD(100.05,ZI,4,XXI,1,ZZQ)) Q: 'ZZQ S
^TMP("PSODAOCD",$J,"DC",$P(^ORD(100.05,ZI,4,XXI,1,ZZQ,0),"^"))=$P(^PS(50.605,$P(^ORD(100.05,ZI,4,XXI,1,ZZQ,0),"^"),0),"^")_ "$P(^ORD(100.05,ZI,4,XXI,2,ZZQ,0),"^"),0),"^")=" "
..F ZZQ=0:0 S ZZQ=$O(^ORD(100.05,ZI,4,XXI,2,ZZQ)) Q: 'ZZQ S
^TMP("PSODAOCD",$J,"DI",$P(^PS(50.416,$P(^ORD(100.05,ZI,4,XXI,2,ZZQ,0),"^"),0),"^"))=" "
..F ZZQ=0:0 S ZZQ=$O(^ORD(100.05,ZI,4,XXI,3,ZZQ)) Q: 'ZZQ S
^TMP("PSODAOCD",$J,"SS",$P(^GMRD(120.83,$P(^ORD(100.05,ZI,4,XXI,3,ZZQ,0),"^"),0),"^"))=" "
I 'ZFND W !,"NO Drug Allergy Order Checks found for Rx#: "$P(^PSRX(DA,0),"^") G EXT
K ^UTILITY($J,"W") S DIWL=1,DIWR=55,DIWF=" " N Z,ZX
D FULL^VALM1 N ING,SS,DC,CA,OH,CAG S (ING,SS,DC,CA)=" "
S CA=$O(^TMP("PSODAOCD",$J,"CA",""))
W !,"Drug Allergy Occurrence Event for Rx#: "$P(^PSRX(DA,0),"^"),!
S CAG="^"$P(CA,";",2)$P(CA,";")_"",0)"
I ZMEDL D
..S DIC=4,DA=ZMEDL,DR=.01,DIQ="ZLOC" D EN^DIQ1
..W !," Site Name: "$P(ZLOC(4,DA,.01),"")_ " VAMC - [Entered
"$S($G(ZDATE):$E(ZDATE,4,5)_"_"/"$E(ZDATE,6,7)_"_"/"$E(ZDATE,2,3),1:"")_"]"
..W !," Causative Agent: "$S(CA="None Found":CA,1:$P(@CAG),"^")
..W !," Database: "$ZDATB
S OH=$G(^TMP("PSODAOCD",$J,"OH")) W !,"Historical/Observed:
"$S(OH="H": "HISTORICAL",OH="O": "OBSERVED",1: "Not Entered")
W !," Severity: "$SEVN
W !," Ingredient: " I $O(^TMP("PSODAOCD",$J,"DI",""))]" D
..F S ING=$O(^TMP("PSODAOCD",$J,"DI",ING)) Q: ING=" " S X=ING_"", " D ^DIWP
..F ZX=0:0 S ZX=$O(^UTILITY($J,"W",1,ZX)) Q: 'ZX W ?21,^UTILITY($J,"W",1,ZX,0),!
..K ^UTILITY($J,"W") N Z,ZX
E W "None Entered",!
;
S DIWL=1,DIWR=59,DIWF=" "
W " Signs/Symptoms: " I $O(^TMP("PSODAOCD",$J,"SS",""))]" D
..F S SS=$O(^TMP("PSODAOCD",$J,"SS",SS)) Q: SS=" " S X=SS_"", " D ^DIWP
..F ZX=0:0 S ZX=$O(^UTILITY($J,"W",1,ZX)) Q: 'ZX W ?21,^UTILITY($J,"W",1,ZX,0),!
..K ^UTILITY($J,"W") S DIWL=1,DIWR=55,DIWF=" " N Z,ZX
E W "None Entered",!
;
W " Drug Class: " I $O(^TMP("PSODAOCD",$J,"DC",0))]" D
..F DC=0:0 S DC=$O(^TMP("PSODAOCD",$J,"DC",DC)) Q: 'DC S X=^TMP("PSODAOCD",$J,"DC",DC)_"", " D ^DIWP
..F ZX=0:0 S ZX=$O(^UTILITY($J,"W",1,ZX)) Q: 'ZX W ?21,^UTILITY($J,"W",1,ZX,0),!
..K ^UTILITY($J,"W") S DIWL=1,DIWR=55,DIWF=" " N Z,ZX
E W "None Found",!
;
K ^UTILITY($J,"W") S DIWL=1,DIWR=55,DIWF=" " N Z,ZX,OR
S OR=" " W "Provider Override Reason: " I $O(^TMP("PSODAOCD",$J,"AOR",""))]" D
..S OR=$O(^TMP("PSODAOCD",$J,"AOR","")) S X=OR D ^DIWP
..F ZX=0:0 S ZX=$O(^UTILITY($J,"W",1,ZX)) Q: 'ZX W ?26,^UTILITY($J,"W",1,ZX,0),!
E W "N/A - Order Entered Through Vista",!
I $G(IT) D
..K DIC,DR,DIQ,DA,INTY S DIC=9009032.4,DA=IT,DR=".01;.03;.04;.08",DIQ="INTY" D EN^DIQ1
..W !," Intervention Date: "$INTY(9009032.4,IT,.01)
..W !," Provider: "$INTY(9009032.4,IT,.03)
..W !," Pharmacist: "$INTY(9009032.4,IT,.04)
..W !," Recommendation: "$INTY(9009032.4,IT,.08)
..K DIC,DR,DIQ,DA,INTY
E W !," Pharmacist Intervention Not Entered.
EXT W !
K DIR,DUOUT,DIRUT,ZFND
S DIR(0)="E",DIR("A")="Press Return to Continue",DIR("?")="Press Return to Redisplay Rx."
D ^DIR S VALMBCK="R" K DIR,DUOUT,DIRUT,^TMP("PSODAOCD",$J)

```

6.2.12.1.2.8 PSORXVW1 - Rx View Order Checks Display (CCR5905)

Routine Name	PSORXVW1		
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change		
Requirement Traceability Matrix	CR1006		
Related Options	View Prescriptions [PSO VIEW]		
Related Routines	Routines "Called By"	Routines "Called"	
Data Dictionary (DD) References			
Related Protocols			
Related Integration Control Registrations (ICRs)			
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local		
Input Attribute Name and Definition	Name:		
	Definition:		
Output Attribute Name and Definition	Name:		
	Definition:		
Current Logic			
<pre> PSORXVW1 ;BIR/SAB-view prescription con't ; 12/4/07 12:28pm ;;7.0;OUTPATIENT PHARMACY;**35,47,46,71,99,117,156,193,210,148,258,260,240,281,359,354,367,386**;DEC 1997;Build 4 ;External reference to ^DD(52 supported by DBIA 999 ;External reference to ^VA(200 supported by DBIA 10060 ;PSO*210 add call to WORDWRAP api ; I \$P(\$G(^PSRX(RXN,"OR1")), "^", 6) D .K DIC,X,Y S DIC="^VA(200," ,DIC(0)="N,Z",X=\$P(^PSRX(RXN,"OR1"), "^", 6) D ^DIC .S IEN=IEN+1, ^TMP("PSOAL", \$J, IEN, 0) = " Filled By: " _\$P(Y, "^", 2) K DIC,X,Y I \$P(\$G(^PSRX(RXN,"OR1")), "^", 7) D .K DIC,X,Y S DIC="^VA(200," ,DIC(0)="N,Z",X=\$P(^PSRX(RXN,"OR1"), "^", 7) D ^DIC .S IEN=IEN+1, ^TMP("PSOAL", \$J, IEN, 0) = " Checked By: " _\$P(Y, "^", 2) K DIC,X,Y K DIC,X,Y S DIC="^VA(200," ,DIC(0)="N,Z",X=\$P(RX0, "^", 16) D ^DIC S \$P(RN, " " , 35) = " " , IEN=IEN+1, ^TMP("PSOAL", \$J, IEN, 0) = " Entry By: _\$P(Y, "^", 2) _\$E(RN, \$L(\$P(Y, "^", 2))+1, 35) S Y=\$P(RX2, "^") X ^DD("DD") S ^TMP("PSOAL", \$J, IEN, 0) = ^TMP("PSOAL", \$J, IEN, 0) _ "Entry Date: " _\$E(\$P(RX2, "^"), 4, 5) _ "/" _\$E(\$P(RX2, "^"), 6, 7) _ "/" _\$E(\$P(RX2, "^"), 2, 3) _ " " _\$P(Y, "@", 2) K RN S IEN=IEN+1, ^TMP("PSOAL", \$J, IEN, 0) = " " ; IEN=IEN+1, \$P(^TMP("PSOAL", \$J, IEN, 0), "=", 79) = "=" S IEN=IEN+1, ^TMP("PSOAL", \$J, IEN, 0) = "Original Fill Released: " I \$P(RX2, "^", 13) S DTT=\$P(RX2, "^", 13) D DAT S ^TMP("PSOAL", \$J, IEN, 0) = ^TMP("PSOAL", \$J, IEN, 0) _DAT K DAT, DTT I \$P(RX2, "^", 15) S DTT=\$P(RX2, "^", 15) D DAT S ^TMP("PSOAL", \$J, IEN, 0) = ^TMP("PSOAL", \$J, IEN, 0) _ "(Returned to Stock "_DAT_")" K DAT, DTT S ^TMP("PSOAL", \$J, IEN, 0) = ^TMP("PSOAL", \$J, IEN, 0) _ " Routing: " _\$S(\$P(RX0, "^", 11) = "W": "Window", 1: "Mail") I \$G(^PSRX(DA, "H"))] " " , \$P(^("STA"), "^") = 3 D HLD D RF, PAR, ACT, COPAY ^PSORXVW2, LBL, ECME ^PSOORAL1 , ^PSORXVW2: \$O(^PSRX(DA, 4, 0)) Q </pre>			
Modified Logic (Changes are in bold)			
<pre> PSORXVW1 ;BIR/SAB-view prescription con't ; 12/4/07 12:28pm ;;7.0;OUTPATIENT </pre>			

```

PHARMACY;**35,47,46,71,99,117,156,193,210,148,258,260,240,281,359,354,367,386,412**;  

DEC 1997;Build 31  

;External reference to ^DD(52 supported by DBIA 999  

;External reference to ^VA(200 supported by DBIA 10060  

;PSO*210 add call to WORDWRAP api  

;  

I $P($G(^PSRX(RXN,"OR1")), "^", 6) D  

.K DIC,X,Y S DIC="^VA(200," ,DIC(0)="N,Z",X=$P(^PSRX(RXN,"OR1"), "^", 6) D ^DIC  

.S IEN=IEN+1, ^TMP("PSOAL", $J, IEN, 0)= " Filled By: " _$P(Y, "^", 2) K DIC,X,Y  

I $P($G(^PSRX(RXN,"OR1")), "^", 7) D  

.K DIC,X,Y S DIC="^VA(200," ,DIC(0)="N,Z",X=$P(^PSRX(RXN,"OR1"), "^", 7) D ^DIC  

.S IEN=IEN+1, ^TMP("PSOAL", $J, IEN, 0)= " Checked By: " _$P(Y, "^", 2) K DIC,X,Y  

K DIC,X,Y S DIC="^VA(200," ,DIC(0)="N,Z",X=$P(RX0, "^", 16) D ^DIC  

S $P(RN, " ", 35)= " ", IEN=IEN+1, ^TMP("PSOAL", $J, IEN, 0)= " Entry By:  

" _$P(Y, "^", 2) _$E(RN, $L($P(Y, "^", 2))+1, 35)  

S Y=$P(RX2, "^") X ^DD("DD")  

S ^TMP("PSOAL", $J, IEN, 0)=^TMP("PSOAL", $J, IEN, 0)_ "Entry Date:  

" _$E($P(RX2, "^"), 4, 5) _ "/" _$E($P(RX2, "^"), 6, 7) _ "/" _$E($P(RX2, "^"), 2, 3) _ " " _$P(Y, "@", 2) K RN  

S IEN=IEN+1, ^TMP("PSOAL", $J, IEN, 0)= " " ; IEN=IEN+1, $P(^TMP("PSOAL", $J, IEN, 0), "=", 79) = "="  

S IEN=IEN+1, ^TMP("PSOAL", $J, IEN, 0)= "Original Fill Released: " I $P(RX2, "^", 13) S  

DTT=$P(RX2, "^", 13) D DAT S ^TMP("PSOAL", $J, IEN, 0)=^TMP("PSOAL", $J, IEN, 0)_DAT K DAT, DTT  

I $P(RX2, "^", 15) S DTT=$P(RX2, "^", 15) D DAT S  

^TMP("PSOAL", $J, IEN, 0)=^TMP("PSOAL", $J, IEN, 0)_ "(Returned to Stock "_DAT_")" K DAT, DTT  

S ^TMP("PSOAL", $J, IEN, 0)=^TMP("PSOAL", $J, IEN, 0)_ " Routing:  

" _$S($P(RX0, "^", 11)="W": "Window", 1: "Mail")  

I $G(^PSRX(DA, "H")) ] " " , $P(^("STA"), "^") = 3 D HLD  

D RF, PAR, ACT, COPAY ^PSORXVW2, LBL, ECME ^PSOORAL1, ^PSORXVW2: $O(^PSRX(DA, 4, 0))  

;ps0*7*412  

D ^PSOOCKVW ;display order checks  

Q

```

6.2.12.1.2.9 PSOORAL1 - Rx Activity Logs View Order Checks (CCR5905)

Routine Name	PSOORAL1		
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change		
Requirement Traceability Matrix	CR1006		
Related Options			
Related Routines	Routines "Called By"	Routines "Called"	
Data Dictionary (DD) References			
Related Protocols	PSO ACTIVITY LOGS [Activity Logs (OP)]		
Related Integration Control Registrations (ICRs)			
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local		
Input Attribute Name and Definition	Name: Definition:		
Output Attribute Name and Definition	Name: Definition:		
Current Logic			
PSOORAL1 ;BHAM ISC/SAB - Build Listman activity logs ; 12/4/07 12:25pm ; ; 7.0; OUTPATIENT PHARMACY; **71,156,148,247,240,287,354,367** ; DEC 1997; Build 62 N RX0, VALMCNT K DIR, DTOUT, DUOUT, DIRUT, ^TMP("PSOAL", \$J) S DA=\$P(PSOLST(ORN), "^", 2), RX0=^PSRX(DA, 0), J=DA, RX2=\$G(^ (2)), R3=\$G(^ (3)), CMOP=\$O(^PSRX(DA, 4, 0)) S IEN=0, DIR(0)="LO^1: " _\$S(CMOP: 8, 1: 7), DIR("A", 1)= " ", DIR("A", 2)="Select Activity Log by			

```

number",DIR("A",3)="1. Refill 2. Partial 3. Activity 4. Labels"
S DIR("A")=$S(CMOP:"5. Copay 6. ECME 7. CMOP Events 8. All Logs",1:"5. Copay 6. ECME 7. All
Logs")
S DIR("B")=$S(CMOP:8,1:7) D ^DIR
S PSOELSE=+Y I +Y S Y=$S(CMOP&(Y[8]):"1,2,3,4,5,6,7",'CMOP&(Y[7]):"1,2,3,4,5,6",1:Y)
S ACT=Y D FULL^VALM1 D
.S IEN=IEN+1,^TMP("PSOAL",$J,IEN,0)="Rx #: "_$P(RX0,"^")_" Original Fill Released:
" I $P(RX2,"^",13) S DTT=$P(RX2,"^",13)
D DAT S ^TMP("PSOAL",$J,IEN,0)=^TMP("PSOAL",$J,IEN,0)_DAT K DAT,DTT
.I $P(RX2,"^",15) S DTT=$P(RX2,"^",15)
D DAT S ^TMP("PSOAL",$J,IEN,0)=^TMP("PSOAL",$J,IEN,0)_(Returned to Stock "_DAT_") K DAT,DTT
.S IEN=IEN+1,^TMP("PSOAL",$J,IEN,0)="Routing:
"$S($P(RX0,"^",11)="W":"Window",1:"Mail")_$S($P($G(^PSRX(DA,"OR1")),("^",5):" Finished by:
"$P(^VA(200,$P(^PSRX(DA,"OR1"),("^",5),0),("^",1:"))
.D:$G(^PSRX(DA,"H"))]"&($P(POLST(ORN),("^",3)="HOLD") HLD^PSOORAL2
.F LOG=1:1:$L(AC,"") Q:$P(AC,"",LOG)']" S LBL=$P(AC,"",LOG)
D @$S(LBL=1:"RF^PSOORAL2",LBL=2:"PAR^PSOORAL2",LBL=3:"ACT",LBL=5:"COPAY",LBL=6:"ECME",LBL=7:"^PSO
RXVW2",1:"LBL")
I 'PSOELSE S VALMBCK="" K PSOELSE Q
K ST0,RFL,RFL1,I,J,N,PHYS,L1,DIRUT,PSDIV,PSEXDT,MED,M1,FFX,DTT,DAT,R3,RTN,SIG,STA,P1,PL,P0
,Z0,Z1,EXDT,IFN,DIR,DUOUT,DTOUT,PSOELSE
K LBL,I,RFDATE,%H,%I,RN,RFT
S PSOAL=IEN K IEN,ACT,LBL,LOG D EN^PSOORAL S VALMBCK="R"
Q

```

Modified Logic (Changes are in bold)

```

PSOORAL1 ;BHAM ISC/SAB - Build Listman activity logs ; 12/4/07 12:25pm
;7.0:OUTPATIENT PHARMACY;*71,156,148,247,240,287,354,367,412**;DEC 1997;Build 31
N RX0,VALMCNT K DIR,DTOUT,DUOUT,DIRUT,^TMP("PSOAL",$J)
S DA=$P(POLST(ORN),("^",2),RX0=^PSRX(DA,0),(RXN,J)=DA,RX2=$G(^2),R3=$G(^3),CMOP=$O(^PSRX(DA,4
,0))
S IEN=0,DIR(0)="LO^1:"_$S(CMOP:9,1:8),DIR("A",1)=" ",DIR("A",2)="Select Activity Log by
number",DIR("A",3)="1. Refill 2. Partial 3. Activity 4. Labels 5. Copay"
S DIR("A")=$S(CMOP:"6. ECME 7. Order Checks 8. CMOP Events 9. All Logs",1:"6. ECME 7. Order
Checks 8. All Logs")
S DIR("B")=$S(CMOP:9,1:8) D ^DIR
S PSOELSE=+Y I +Y S Y=$S(CMOP&(Y[9]):"1,2,3,4,5,6,7,8",'CMOP&(Y[8]):"1,2,3,4,5,6,7",1:Y)
S ACT=Y D FULL^VALM1 D
.S IEN=IEN+1,^TMP("PSOAL",$J,IEN,0)="Rx #: "_$P(RX0,"^")_" Original Fill Released:
" I $P(RX2,"^",13) S DTT=$P(RX2,"^",13)
D DAT S ^TMP("PSOAL",$J,IEN,0)=^TMP("PSOAL",$J,IEN,0)_DAT K DAT,DTT
.I $P(RX2,"^",15) S DTT=$P(RX2,"^",15)
D DAT S ^TMP("PSOAL",$J,IEN,0)=^TMP("PSOAL",$J,IEN,0)_(Returned to Stock "_DAT_") K DAT,DTT
.S IEN=IEN+1,^TMP("PSOAL",$J,IEN,0)="Routing:
"$S($P(RX0,"^",11)="W":"Window",1:"Mail")_$S($P($G(^PSRX(DA,"OR1")),("^",5):" Finished by:
"$P(^VA(200,$P(^PSRX(DA,"OR1"),("^",5),0),("^",1:"))
.D:$G(^PSRX(DA,"H"))]"&($P(POLST(ORN),("^",3)="HOLD") HLD^PSOORAL2
.F LOG=1:1:$L(AC,"") Q:$P(AC,"",LOG)']" S LBL=$P(AC,"",LOG)
D @$S(LBL=1:"RF^PSOORAL2",LBL=2:"PAR^PSOORAL2",LBL=3:"ACT",LBL=5:"COPAY",LBL=6:"ECME",LBL=7:"^PSO
OCKVW",LBL=8:"^PSORXVW2",1:"LBL")
I 'PSOELSE S VALMBCK="" K PSOELSE Q
K ST0,RFL,RFL1,I,J,N,PHYS,L1,DIRUT,PSDIV,PSEXDT,MED,M1,FFX,DTT,DAT,R3,RTN,SIG,STA,P1,PL,P0
,Z0,Z1,EXDT,IFN,DIR,DUOUT,DTOUT,PSOELSE
K LBL,I,RFDATE,%H,%I,RN,RFT
S PSOAL=IEN K IEN,ACT,LBL,LOG D EN^PSOORAL S VALMBCK="R"
Q

```

6.2.12.1.2.10 PSOCAN2

Routine Name	PSOCAN2
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change
Requirement Traceability Matrix	CR1006
Related Options	Patient Prescription Processing [PSO LM BACKDOOR ORDERS] Complete Orders from OERR [PSO LMOE FINISH]

	View Prescriptions [PSO VIEW] Edit Prescriptions [PSO RXEDIT]	
Related Routines	Routines “Called By”	Routines “Called”
	PSOAUTOC, PSOCAN, PSOCAN1, PSOCAN3, PSOCAN3N, PSOCAN4, PSORFI6, PSOORED1, PSOORUTL, PSOREJU3, PSOUTL	PSOBPSUT, PSOBUILD, PSOCAN, PSOCAN1, PSOCAN4, PSONEW, PSONEW, PSOCMOPA, PSODOSUT, PSODRG, PSHLSN1, PSOREJPI
Data Dictionary (DD) References	^PSDRUG	
Related Protocols	N/A	
Related Integration Control Registrations (ICRs)	;External reference to ^PSDRUG supported by dbia 221 ;External reference to \$\$DS^PSSDSAPI supported by DBIA 5425	
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	N/A	
Output Attribute Name and Definition	N/A	
Current Logic		
<pre>PSOCAN2 ;BHAM ISC/JMB - rx cancel with speed ability drug check ;10/23/06 11:30am ; ;7.0;OUTPATIENT PHARMACY;**8,18,62,46,88,164,235,148,259,281,287,251,375, 379,396,390**;DEC 1997;Build 86 ;External reference to ^PSDRUG supported by dbia 221 ;External reference to \$\$DS^PSSDSAPI supported by DBIA 5425 REINS N DODR,ORN I \$P(^PSRX(DA,2),"^",6)<DT D Q .S Y=\$P(^PSRX(DA,2),"^",6) X ^DD("DD") .W !,"Rx: "_\$P(^PSRX(DA,0),"^")_" Drug: "_\$S(\$D(^PSDRUG(\$P(^PSRX(DA,0) ,"^",6),0)): \$P(^0),"^",1:""),!,"Expired "_Y_" and cannot be Reinstated!",! .D PAUSE^VALM1 I \$D(^PSRX("APSOD",\$P(^PSRX(DA,0),"^",2),DA)) S PSCAN(\$P(^PSRX(DA,0),"^ "))=DA_"^R",DODR=1 D AUTOD G ACT I \$P(PSOPAR,"^",2),'\$D(^XUSEC("PSORPH",DUZ)) N PSOVODA S PSOVODA=DA D DRGDRG Q:\$G(PSOQUIT)&(\$G(PSOREINS)) S DA=PSOVODA Q:PSORX("DFLG") D VERIFY D D AREC^PSOCAN1 Q .S RX1=\$P(^PSRX(DA,0),"^") S:'\$D(PSCAN(RX1)) PSCAN(RX1)=DA_"^R" K RX1 ACT W ! F I=1:1:80 W "=" D ^PSOBUILD S DRG=+\$P(^PSRX(DA,0),"^",6),DRG=\$S(\$D(^PSDRUG(DRG,0)): \$P(^ (0),"^"),1:""),HOLDRX=RX W !,"RX_" "_DRG I \$G(POERR) S HPOERR=POERR D DRGDRG Q:\$G(PSOQUIT)&(\$G(PSOREINS)) S:\$G(HPOERR) POERR=HPOERR S:\$G(PSORX("DFLG"))'=1 PSORX("DFLG")=0 S RX=HOLDRX K HOLDRX,HPOERR Q:\$P(^PSRX(+PCAN(RX),"STA"),"^")'=12!(\$G(PSORX("DFLG"))) S DA=+PCAN(RX),REA=\$P(PCAN(RX),"^",2) D CAN^PSOCAN W ! N RXIEN S RXIEN=DA ;Takes action on reinstated Rx's S RFCNT=0 F RF=0:0 S RF=\$O(^PSRX(DA,1,RF)) Q:'RF S RFCNT=RF S (LPRT,LREF,XRELDT,XFDT)=" F LL=0:0 S LL=\$O(^PSRX(DA,"L",LL)) Q:'LL S LPRT=\$P(\$G(^PSRX(DA,"L",LL,0)),",."),LREF=\$P(\$G(^0)),",",2) I 'RFCNT S FDT=\$S(\$P(\$G(^PSRX(DA,2)),",",2)'="":\$P(\$G(^PSRX(DA,2)),",", 2),1:\$P(\$G(^PSRX(DA,2)),",",2)) S RELDT=\$P(^0),",",13),RELDT=\$P(RELDT,".") I RFCNT S FDT=\$P(\$G(^PSRX(DA,1,RFCNT,0)),",",2),RELDT=\$P(^0),"^",18),RELDT=\$P(RELDT,".") S Y=FDT D DD^%DT S XFDT=Y I RELDT'="" S Y=RELDT D DD^%DT S XRELDT=Y I LPRT'="" S Y=LPRT D DD^%DT S XLPDT=Y ;If Rx was released, do nothing I RELDT'="" W !,"RX_" Reinstated -- ",!?,3,\$S('RFCNT:"Filled",1:"Refilled # "_LREF)_": "_XFDT,?32,"Printed: "\$S(LREF=RFCNT:XLPDT,1:""),?56,"Released: "_\$G(XRELDT) H 3 Q ;If Rx not released, check fill/refill date for action I \$G(PSXSYS) D REINS^PSOCMOPA I \$G(XFLAG) K XFLAG Q</pre>		

```

W !,"Prescription #"_RX_" REINSTATED!"
;
N PSOTRIC S PSOTRIC="",PSOTRIC=$$TRIC^PSOREJPI(RXIEN,RFCNT,PSOTRIC)
D SUBMIT^PSOREJU3(RXIEN,RFCNT,PSOTRIC)
;
W !?3,"Prescription #",RX_": "
W !?6,$$('RFCNT:" Filled",1:" Refilled # "_LREF)_: "_XFDT," Printed:
"_$$S(LREF=RFCNT:XL PDT,1:""), " Released: "_$G(XRELDT),!
I FDT<DT D
.Q:$$FIND^PSOREJUT(RXIEN) ;No label for Rx's with unresolved claims rejects
.Q:PSOTRIC&($$STATUS^PSOBPSUT(RXIEN,RFCNT)["IN PROGRESS"]) ;No labels for
TRICARE/CHAMPVA in progress Rx *396
.I PSOTRIC,$P($G(^PSRX(RXIEN,"STA")),")=12 Q ;No label for TRICARE/CHAMPVA if
discontinued via Reject Notification screen *396
.S DIR("A")=" ** Do you want to print the label now",DIR("B")="N",
DIR(0)="Y",DIR("?")="Enter 'Y' to print the label now. If 'N' is entered, the label may be
reprinted through reprint at a later date."
.D ^DIR K DIR Q:$G(DIRUT)!('Y) S PPL=RXIEN D Q^PSORXL Q
I FDT=DT D
.Q:$$FIND^PSOREJUT(RXIEN) ;No label for Rx's with unresolved claims rejects
.Q:PSOTRIC&($$STATUS^PSOBPSUT(RXIEN,RFCNT)["IN PROGRESS"]) ;No labels for
TRICARE/CHAMPVA in progress Rx *396
.I PSOTRIC,$P($G(^PSRX(RXIEN,"STA")),")=12 Q ;No label for TRICARE/CHAMPVA if
discontinued via Reject Notification screen *396
.W !?5,"Either print the label using the reprint option "
.W !?7,"or check later to see if the label has been printed." D WAIT^PSODRG Q
I FDT>DT&('$G(DODR)) W !?5,"Placing Rx on suspense. Please wait..." D SUS
K DODR
Q
SUS ;Adds rec to suspense
S ACT=1,RXN=DA,RX0=^PSRX(DA,0),RXS=$O(^PS(52.5,"B",DA,0)) I RXS S DA=RXS,DIK=^PS(52.5,"
D ^DIK S DA=RXN
S RXP=$$($D(RXP):RXP,1:0),DIC=^PS(52.5,"",DIC(0)="L",X=RXN,DIC("DR")="".
02///"_FDT_" ;.03///"_$P(RX0,"^",2)_" ;.04///M ;.05///"_RXP_" ;.06///"_$G(PSOSITE)_" ;2///0" K DD,DO
D FILE^DICN
I +$G(Y),$G(RFCNT)'="" S $P(^PS(52.5,+Y,0),"^",13)=$G(RFCNT)
S DA=RXN,$P(^PSRX(DA,"STA"),"^")=5,LFD=$E($P(^PSRX(DA,3),"^"),4,5)_"-""
$E($P(^3),"^"),6,7)_"-""$E($P(^3),"^"),2,3)
S ACOM="RX Placed on Suspense until "_LFD D AREC^PSOCAN1 S ST="SC",PHST="ZS" D
EN^PSOHLN1(DA,ST,PHST,ACOM) K ST,PHST
Q
DRGDRG ;Checks for drug/drug interaction, duplicate drug and class
Q:$P(^PSRX(DA,2),"^",6)<DT
S (PSORX("DFLG"),PSORXED("DFLG"))=0
S STA="ACTIVE^NON-VERIFIED^R^HOLD^NON-VERIFIED^ACTIVE^"
DISCONTINUED^DISCONTINUED^DISCONTINUED^HOLD"
S STAT=$P(STA,"^",$P(^PSRX(DA,"STA"),"^")+1)
S X=$P(^PSRX(DA,0),"^",6),DIC=^PSDRUG("DIC(0)="MZO" D ^DIC K DIC Q:$D(DTOUT)!(Y<0)
K HOLD S NAME=$P(Y(0),"^") I +$G(PSOSD(STAT,NAME))=+PCAN(RX) S HOLD(ST
AT,NAME)=$G(PSOSD(STAT,NAME)) K PSOSD(STAT,NAME)
S:$G(PSONEW("OLD VAL"))=+Y PSODRG("QFLG")=1
K PSOY,PSOTECCK S PSOY=Y,PSOY(0)=Y(0)
I '$D(^XUSEC("PSORPH",DUZ)) S PSOTECCK=1 N ZRXN
S (ZRXN,PSORENW("OIRXN"))=DA D SET^PSODRG,POST^PSODRG Q:$G(PSOREINS)&$G(PSOQUIT)
D:$SDS^PSSDSAPI&('$G(PSORX("DFLG"))) DOSCK^PSODOSUT("C")
S REA=$P(PCAN($P(^PSRX(PSORENW("OIRXN"),0),"^"),")=1
W ! S:$G(HOLD(STAT,NAME))]"" PSOSD(STAT,NAME)=$G(HOLD(STAT,NAME)) K HOLD,
STA,STAT,PSORENW("OIRXN")
;save drug allergy order chks pso*7*390
I +$G(^TMP("PSODAC",$J,1,0)) D
.N RXN,PSODAC S RXN=ZRXN,PSODAC="Rx Reinstate Order Acceptance_OP"
.D DAOC^PSONEW
.K ^TMP("PSODAC",$J),RET
Q
VERIFY ;Put in non-verify file
S PSRXDA=DA,DIC=^PS(52.4,"",DLAYGO=52.4,(X,DINUM)=PSRXDA,DIC(0)="ML",DIC
("DR")="1///"_PSODFN_" ;2///"_DUZ_" ;4///"_DT
K DD,DO D FILE^DICN K DIC,DLAYGO,DINUM
S DA=PSRXDA S $P(^PSRX(DA,"STA"),"^")=1
S ST="SC",PHST="IP",VCOM="Put in non-verified status" D EN^PSOHLN1(DA,ST,PHST,VCOM) K
ST,PHST,VCOM

```

```

Q
HLD      N PSDTEST,PDA,CMOP,SUSD I $P(^PSRX(DA,"STA"),"^")=3 D
        .S ACOM=$S(REA="C":"Discontinued",1:"Reinstated")_ while on hold during Rx cancel. "
K:$P(^PSRX(DA,"H"),"^") ^PSRX("AH",$P(^PSRX(DA,"H"),"^"),DA) S ^PSRX(DA,"H")=""
        .I $P(^PSRX(DA,0),"^",13),'$O(^PSRX(DA,1,0)) S DIE=52,DR="22//"_$E($P(^PSRX(DA,0),
        "^",13),1,7) D ^DIE K DIE,DR Q
        .S (IFN,SUSD)=0 F S IFN=$O(^PSRX(DA,1,IFN)) Q:'IFN S SUSD=IFN,RFDT=$P
(^PSRX(DA,1,IFN,0),"^")
        .Q:$G(SUSD) I '$P(^PSRX(DA,1,SUSD,0),"^",18) S PSDTEST=0 D I 'PSDTEST K
^PSRX(DA,1,SUSD),^PSRX("AD",RFDT,DA,SUSD),^PSRX(DA,1,"B",RFDT,SUSD),IFN,SUSD,RFDT
        .F PDA=0:0 S PDA=$O(^PSRX(DA,"L",PDA)) Q:'PDA I $P($G(^PSRX(DA,"L",PD
A,0)),("^",2)=SUSD S PSDTEST=1
        .K CMOP D ^PSOCMOPA I $G(CMOP(CMOP("L")))=,"$G(CMOP("S"))'="L" Q
        .S PSDTEST=1
Q
REF      S IFN=0 F S IFN=$O(^PSRX(DA,1,IFN)) Q:'IFN I $P($G(^PSRX(DA,1,IFN,0))
,("^")=SUSD,$P(^0,"^",18) D
        .D DELREF I $G(PSORFDEL) K PSORFDEL Q
        .;PSO*7*259;CHECK IF REFILL RELEASED OR LABEL PRINTED
        .I $P($G(^PSRX(DA,1,IFN,0)),("^",18)]"" Q ;REFILL RELEASED
        .N PSONODEL,PSOLBL S PSONODEL=0
        .I $P(^PSRX(DA,"STA"),"^")=5 D REF^PSOCAN4 Q:PSONODEL
        .S PSOLBL="" F S PSOLBL=$O(^PSRX(DA,"L",PSOLBL),-1) Q:'PSOLBL Q:PSONO
DEL Q:$P(^PSRX(DA,"L",PSOLBL,0),("^",2)<IFN I $P(^PSRX(DA,"L",PSOLBL,0),("^",2)=IFN S PSONODEL=1
        .Q:PSONODEL
        .K PSORFDEL K ^PSRX(DA,1,IFN),^PSRX("AD",SUSD,DA,IFN),^PSRX(DA,1,"B",SUSD,IFN)
        .S $P(^PSRX(DA,1,0),("^",4)=$P(^PSRX(DA,1,0),("^",4)-1,DA(1)=DA
        .S NODE=0 D SPR^PSOUTL K DA(1),RF,NODE
        S IFN=0 F S IFN=$O(^PSRX(DA,1,IFN)) Q:'IFN I '$O(^PSRX(DA,1,IFN)) S $
P(^PSRX(DA,3),("^")+$P(^PSRX(DA,1,IFN,0),("^"),$P(^3,"^",2)=SUSD
        I '$O(^PSRX(DA,1,0)) S $P(^PSRX(DA,3),("^")=$P(^PSRX(DA,2),("^",2),$P(^PS
RX(DA,3),("^",2)=SUSD
        K IFN,SUSD
Q
KILL     K %,ACNT,ACOM,ACT,ALL,BCNUM,CMOP,CNT,DA,DAYS360,DEAD,DRG,DIRUT,DR,DRUG,
DTOUT,DUOUT,FDT,HOLD,I,II,IN,IT,JJ,LC,LFD,LINE,LL,LPRT,LREF,LSI,NAME,NDF,NOEXP,N
SF,OUT,RXSP,EN,WARN K:$G(POERR) INCOM
        K PSODRUG,PCNT,POP,PPL,PS,PSFROM,PSINV,PLINE,PSI,PSINV,PSOCAN,PSOCMOP,P
SODFN,PSODRG,PSOOPT,PSOSD,PSPOP,PSRXDA,PSS,PSVC,PSONOR
        K REA,RELD,RF,RFDATE,RFCNT,RFL,RFL1,RFL1,RP,RX,RX0,RXCNT,RXDA,RXN,RXNU
M,RXP,RXREC,RXREF,RXS,SDATE,SPCANC,SS,STAT,SUB,X,XFDT,XLPDT,XRELD,Y D KVA^VADPT
Q
DELREF   ;
        N RDL,PSCNODE
        S PSORFDEL=0
        F RDL=0:0 S RDL=$O(^PSRX(DA,4,RDL)) Q:'RDL I $G(IFN)=$P($G(^PSRX(DA,4,RDL,0)),("^",3) S
PSCNODE=$G(^0))
        I $G(PSCNODE)="" Q
        I +$P(PSCNODE,"^",4)<3 S PSORFDEL=1
Q
AUTOD    ;reinstates Rxs dc'd by date of death
        I $G(^PSRX(DA,"DDSTA"))']"" K ^PSRX("APSOD",+$P(^PSRX(DA,0),("^",2),DA),
DODR Q
        S DODS=$P(^PSRX(DA,"DDSTA"),"^"),DODD=$P(^("DDSTA"),("^",2,245)
        S FILE=$P(DODS,";"),STA=$P(DODS,";",2)
        I FILE=52.4 D Q
        .S RXN=DA,^PS(52.4,DA,0)=DODD,DIK="^PS(52.4," D IX^DIK K DIK,DA S DA=RX
N,$P(^PSRX(DA,"STA"),"^")=STA
        .S ST="SC",PHST="IP",ACOM="Date of Death Deleted. Returned to Non-Verified status."
        .K ^PSRX("APSOD",$P(^PSRX(DA,0),("^",2),DA),^PSRX(DA,"DDSTA")
        .S DA=RXN D LOG D EN^PSOHLN1(DA,ST,PHST,ACOM) K ST,PHST,ACOM,RXN
        I FILE=52.5 D Q
        .;Adds rec to suspense
        .S RXN=DA,RXS=$O(^PS(52.5,"B",DA,0)) I RXS S DA=RXS,DIK="^PS(52.5," D ^
DIK
        .S DIC="^PS(52.5," DIC(0)="L",X=RXN K DD,DO D FILE^DICN S DA=+Y
        .S ^PS(52.5,DA,0)=DODD,^PS(52.5,DA,"P")=0,LFD=$E($P(^PS(52.5,DA,0),("^",
2),4,5))_-$E($P(^0,"^",2),6,7))_-$E($P(^0,"^",2),2,3)
        .S DIK="^PS(52.5," D IX^DIK K DIK,DA S DA=RXN,$P(^PSRX(DA,"STA"),"^")=STA
        .S ACOM="Date of Death Deleted. RX Placed on Suspense until "_LFD
        .K ^PSRX("APSOD",PSODFN,DA),^PSRX(DA,"DDSTA")

```


	<pre> .I STA=5 S ST="SC",PHST="ZS" D LOG D EN^PSOHLN1(DA,ST,PHST,ACOM) K ST,PHST,ACOM,LFD I FILE=52 S ^PSRX(DA,"STA")=STA I STA=3!(STA=16) D Q .S ^PSRX(DA,"H")=DODD,^PSRX("AH",\$P(^PSRX(DA,"H"),"^"),DA)=" .S ACOM="Date of Death Deleted. Medication Returned to"_\$S(STA=16:" Provider",1:"")_ Hold Status "_\$E(DT,4,5)_"_"_\$E(DT,6,7)_"_"_\$E(DT,2,3)_" .D LOG,EN^PSOHLN1(DA,"OH","",ACOM) K ACOM .K ^PSRX("APSOD",PSODFN,DA),^PSRX(DA,"DDSTA") S ACOM="Date of Death Deleted. Prescription Reinstated." D EN^PSOHLN1(DA,"SC","CM",ACOM),LOG K ACOM K ^PSRX("APSOD",PSODFN,DA),^PSRX(DA,"DDSTA") Q LOG K ACNT F SUB=0:0 S SUB=\$O(^PSRX(DA,"A",SUB)) Q:'SUB S ACNT=\$G(ACNT)+1 S RFCNT=0 F RF=0:0 S RF=\$O(^PSRX(DA,1,RF)) Q:'RF S RFCNT=\$G(RFCNT)+1 S:RF>5 RFCNT=\$G(RFCNT)+1 S ACNT=\$G(ACNT)+1 D NOW%DTC S ^PSRX(DA,"A",0)=""^52.3DA^"_ACNT_"^"_ACNT S ^PSRX(DA,"A",AC NT,0)=%_"^R^"_DUZ_"^"_RFCNT_"^"_ACOM K ^PSRX("APSOD",PSODFN,DA),ACNT,RFCNT,RF,% I \$P(^PSRX(DA,3),"^",10) S \$P(^PSRX(DA,3),"^")=\$P(^PSRX(DA,3),"^",10) ;*396 S \$P(^PSRX(DA,3),"^",2)=\$P(^PSRX(DA,3),"^",8) S \$P(^PSRX(DA,3),"^",5)="", \$P(^3),"^",8)="" Q NVER ;Called from PSOCAN3, needs DA defined N PSONVC,PSONVCP,PSONVCC S PSONVC="SC",PSONVCP="IP",PSONVCC="Put in non-verified status" D EN^PS OHLN1(DA,PSONVC,PSONVCP,PSONVCC) Q RMB(IDX) ;remove Rx if found in array BBRX() (Bingo Board) N ST4,ST5,ST6,K S ST4=BBRX(IDX) Q:ST4'[(DA_",") S ST6="" F K=1:1 S ST5=\$P(ST4,"",K) Q:'ST5 D . S:ST5'=DA ST6=ST6_\$S('ST6:"",1:"")_ST5 . S:ST6]" BBRX(IDX)=ST6_" K:ST6="" BBRX(IDX) I '\$D(BBRX) K BINGCRT Q ; </pre>
Modified Logic (Changes are in bold)	

6.2.12.1.2.11 PSOCLO1

Routine Name	PSOCLO1	
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
Requirement Traceability Matrix	CR1006	
Related Options	Patient Prescription Processing [PSO LM BACKDOOR ORDERS] Complete Orders from OERR [PSO LMOE FINISH] View Prescriptions [PSO VIEW] Edit Prescriptions [PSO RXEDIT]	
Related Routines	Routines “Called By”	Routines “Called”
	N/A	YSCLTST2
Data Dictionary (DD) References	^PS(55,	
Related Protocols	N/A	
Related Integration Control Registrations (ICRs)	;External reference ^PS(55 supported by DBIA 2228 ;External reference YSCLTST2 supported by DBIA 4556	

Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local
Input Attribute Name and Definition	N/A
Output Attribute Name and Definition	N/A
Current Logic	
<pre> PSOCLO1 ;BHAM ISC/SAB - clozaril rx lockout routine ; 20 Apr 1999 10:50 AM ; ;7.0;OUTPATIENT PHARMACY;**1,23,37,222**;DEC 1997;Build 12 ;External reference YSCLTST2 supported by DBIA 4556 ;External reference ^PS(55 supported by DBIA 2228 ;MH package will authorize dispensing of the Clozapine drugs K ANQDATA,ANQX,ANQNO,PSONEW("SAND"),^TMP(\$J,"PSO") N X,Y,%,%DT,J,ANQ,ANQD,ANQJ,ANQRE,DTOUT,DUOUT,DIR,DIRUT,PSOYS I '\$D(^PS(55,DFN,"SAND")) W !,**** This patient has not been registered in the clozapine program **** G END I \$P(^PS(55,DFN,"SAND"),"^")="" W !,**** This patient has no clozapine registration number **** G END I \$P(^PS(55,DFN,"SAND"),"^",2)="D" D G END .W !,**** This patient has been discontinued from the clozapine treatment program **** .W !,**** and must have a new registration number assigned **** S PSOYS=\$\$CL^YSCLTST2(DFN) G:+PSOYS<0 END S CLOZPAT=\$P(PSOYS,"^",7),CLOZPAT=\$S(CLOZPAT="M":2,CLOZPAT="B":1,1:0) G:\$P(PSOYS,"^")=0 OV1 D DSP G:+PSOYS=1 GDOSE S X=\$S(CLOZPAT=2:84,CLOZPAT=1:42,1:21) D CL1^YSCLTST2(DFN,X) I \$D(^TMP(\$J,"PSO")) G CHECK OV1 I \$SOVERRIDE^YSCLTST2(DFN) S ANQRE=7 W !,"Permission to dispense clozapine has been authorized by NCCC",! G OVRD D MSG4,MSG3,MH G QU Q CHECK ; S ANQRE=\$S(\$P(PSOYS,"^",2)<3500:3,1:5) S ANQD(1)=9999999-\$P(PSOYS,"^",6),X1=\$P(PSOYS,"^",6),X2="-6" D C^%DTC S ANQD=(9999999-\$P(X,"")) S ANQ(1)=\$P(PSOYS,"^",2)^"_"\$P(PSOYS,"^",4) D .F ANQJ=2:1:4 S ANQD=\$O(^TMP(\$J,"PSO",ANQD)) Q:'ANQD S ANQ(ANQJ)=^(ANQD), ANQD(ANQJ)=ANQD S ANQD=\$O(ANQ(""),-1) I ANQD<2 W !,**** No previous results to display ****,! G OVRD W !,**** Last "\$S(ANQD=4:"Four ",ANQD=3:"Three ",1:"TWO ")_ \$P(PSOYS,"^",3)^" and ANC results were:" W !,?39,"WBC ANC",! F ANQJ=ANQD:-1:1 S ANQD=9999999-ANQD(ANQJ)^"0000" W ?5,\$E(ANQD,4,5)^"/" _\$E(ANQD,6,7)^"/"^(\$E(ANQD,1,3)+1700) W:ANQD["." "@", \$E(ANQD,9,10),":", \$E(ANQD,11,12) W ?29,"Results: "\$P(ANQ(ANQJ),"^")^" - "\$P(ANQ(ANQJ),"^",2),! OVRD ; I '\$D(^XUSEC("PSOLOCKCLOZ",DUZ)) D G EXIT .S ANQX=1 W !,"You Are Not Authorized to Override! See Clozapine Manager with PSOLOCKCLOZ key." I ANQRE W !,"Override reason being: "\$P(\$T(@ (ANQRE_"^PSOCLO1")),";",2),! S DIR("A")="Do you want to override and issue this prescription",DIR(0) ="Y",DIR("B")="N" D ^DIR K DIR I 'Y!(\$D(DIRUT)) S ANQX=1 G EXIT S DIC=200,DIC(0)="AEQM",DIC("A")="Approving member of the Clozapine team: ",DIC("S")="I \$D(^XUSEC("PSOLOCKCLOZ",+Y)),+Y'=DUZ" D ^DIC K DIC S ANQD=+Y I Y<0 S ANQX=1 G EXIT S DIR(0)="52.52,5",DIR("A")="Remarks" D ^DIR K DIR G EXIT:\$D(DIRUT) S ANQX=0,ANQDATA=DUZ_"^"_ANQD_"^"_ANQRE_"^"_X ; GDOSE ; set variable to ask daily dose N PSOCD DOSE ; S DIR(0)="N^12.5:3000:1",DIR("A")="CLOZAPINE dosage (mg/day) ? " D ^DIR K DIR G EXIT:\$D(DIRUT) S PSOCD=X </pre>	

	<pre> I PSOCD#25=0,PSOCD<12.5,PSOCD<900 G EXIT I PSOCD#12.5 S DIR(0)="Y",DIR("B")="NO",DIR("A")=PSOCD_ " is an unusual dose. Are you sure " D ^DIR K DIR G EXIT:\$D(DIRUT) I 'Y G DOSE I PSOCD>900 S DIR(0)="Y",DIR("A")="Recommended maximum daily dose is 900. Are you sure " D ^DIR K DIR G EXIT:\$D(DIRUT) I 'Y G DOSE EXIT ; K ^TMP(\$J,"PSO") S:\$D(DIRUT) ANQX=1 I \$G(ANQX) W !,"No Prescription entered!" K ANQDATA E S PSONEW("SAND")=PSOCD_"^"_\$P(PSOYS,"^",2)"^"_\$P(\$P(PSOYS,"^",6)," .")_"^"_\$P(PSOYS,"^",4) D DIR Q MSG3 ; W !,"A CBC/Differential including WBC and ANC Must Be Ordered and Monitored on a",! W "Twice weekly basis until the WBC STABILIZES above 3500/mm3 and ANC above",! W "2000/mm3 with no signs of infection.",! Q MSG4 ; W !,"Permission to dispense clozapine has been denied. If the results of the latest" W !,"Lab Test drawn in the past 7 days show WBC>3000/mm3 and ANC>1500/mm3 and" W !,"you wish to dispense outside the FDA and VA protocol WBC/ANC limits, document" W !,"your request to Director of the VA National Clozapine Coordinating Center" W !,"(Phone: 214-857-0068 Fax: 214-857-0339) for a one-time override permission." Q MSG5 ; W !,"Permission to dispense clozapine has been denied. Please contact the" W !,"Director of the VA National Clozapine Coordinating Center" W !,"(Phone: 214-857-0068 Fax: 214-857-0339). " Q MH ; W !,"Also make sure that the LAB tests, WBC and ANC are set up correctly in the" W !,"Mental Health package using the CLOZAPINE MULTI TEST LINK option." Q DSP ; W !,"*** Most recent "_\$P(PSOYS,"^",3)"_ and "_\$P(PSOYS,"^",5)"_ (ANC) results ***" W !," performed on " S Y=\$P(PSOYS,"^",6) X ^DD("DD") W \$P(Y,"@")_" are: " W !,"?5,\$P(PSOYS,"^",3)"_": "_\$P(PSOYS,"^",2) W !,"?5,"ANC: "_\$P(PSOYS,"^",4)",! Q DIR ; W !,"K DIR S DIR(0)="E",DIR("A")="Press Return to Continue" D ^DIR K DIR,DTOUT,DUOUT,DIRUT Q END ; D MSG5 QU S ANQX=1 D DIR Q 1 ;;NO WBC IN LAST 7 DAYS 2 ;;NO VERIFIED WBC 3 ;;LAST WBC RESULT < 3500 4 ;;3 SEQ. WBC DECREASE 5 ;;LAST ANC RESULT < 2000 6 ;;3 SEQ. ANC DECREASE 7 ;;NCCC AUTHORIZED </pre>
Modified Logic (Changes are in bold)	

6.2.12.1.2.12 PSODDPR1

Routine Name	PSODDPR1
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change
Requirement Traceability Matrix	CR1006

Related Options	Patient Prescription Processing [PSO LM BACKDOOR ORDERS] Complete Orders from OERR [PSO LMOE FINISH] View Prescriptions [PSO VIEW] Edit Prescriptions [PSO RXEDIT]	
Related Routines	Routines “Called By”	Routines “Called”
	PSODDPR7, PSODDPR8, PSOORRD2, PSODDPRE, PSOCPPRE	PSSLOCK, PSOUTLA
Data Dictionary (DD) References	^PSDRUG, ^PS(50.606, ^PS(51.2, ^PS(50.7, ^SC, ^PS(56,	
Related Protocols	N/A	
Related Integration Control Registrations (ICRs)	;External reference to ^PSDRUG supported by DBIA 221 ;External reference to ^PS(50.606 supported by DBIA 2174 ;External reference to ^PS(51.2 supported by DBIA 2226 ;External reference to ^PS(50.7 supported by DBIA 2223 ;External reference to ^SC supported by DBIA 10040 ;External reference to ^PS(56 supported by DBIA 2229 ;External references PSOL and PSOUL^PSSLOCK supported by DBIA 2789	
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	N/A	
Output Attribute Name and Definition	N/A	
Current Logic		
<pre>PSODDPR1 ;BIR/SAB - enhanced dup drug checker for pending/nva orders ;09/30/06 11:33am ; ;7.0;OUTPATIENT PHARMACY;**251,375,379**;DEC 1997;Build 28 ;External reference to ^PSDRUG supported by DBIA 221 ;External reference to ^PS(50.606 supported by DBIA 2174 ;External reference to ^PS(51.2 supported by DBIA 2226 ;External reference to ^PS(50.7 supported by DBIA 2223 ;External reference to ^SC supported by DBIA 10040 ;External reference to ^PS(56 supported by DBIA 2229 ;External references PSOL and PSOUL^PSSLOCK supported by DBIA 2789 N DUP,DUPRX0,ISSD,IT,MSG,PSONV,RFLS,TY,Y S RXREC=\$P(PSOSD(STA,DNM),"^",10) Q:'\$D(^PS(52.41,RXREC,0)) Q:\$P(\$G(^PS(52.41,RXREC,0)),"^",3)="RF" I \$G(ORD) D K FSIG Q .D:ORD'=RXREC&(\$G(PSODRUG("NAME"))=\$P(DNM,"^"))&('\$D(^XUSEC("PSORPH",DUZ))) Q:\$G(PSORX("DFLG")) ..I '\$P(PSOPAR,"^",2),'\$P(PSOPAR,"^",16) D DUP I \$G(PSOTECCK) S PSORX("DFLG")=1 Q ..I '\$P(PSOPAR,"^",2),\$P(PSOPAR,"^",16),\$G(PSOTECCK) D DUP Q ..I '\$P(PSOPAR,"^",2),\$G(PSOTECCK) D Q ...S DA+=PSOSD(STA,DNM),PSOCLC=DUZ ...S MSG="Discontinued During Reinstating Prescription Entry",ACT="Discontinued during Rx Reinststate." ...S ^TMP("PSORXDC",\$J,RXREC,0)="P^"_RXREC_"^"_MSG_"^^^"_DNM ..I '\$P(\$G(PSOPAR),"^",16) D DUP Q:\$G(PSORX("DFLG")) ..I '\$P(\$G(PSOPAR),"^",2),'\$P(PSOPAR,"^",16) D DUP Q:\$G(PSORX("DFLG")) ..I '\$P(PSOPAR,"^",2),'\$P(PSOPAR,"^",16) D DUP Q:\$G(PSORX("DFLG")) ..I '\$D(^XUSEC("PSORPH",DUZ)) D:ORD'=RXREC&(\$G(PSODRUG("NAME"))=\$P(DNM,"^")) DUP Q:\$G(PSORX("DFLG")) ;backdoor orders Q:'\$P(\$G(^PS(52.41,RXREC,0)),"^",9) D:PSODRUG("NAME")=\$P(DNM,"^")&('\$D(^XUSEC("PSORPH",DUZ))) I \$G(PSORX("DFLG")) K FSIG Q .I '\$P(PSOPAR,"^",2),'\$P(PSOPAR,"^",16) D DUP I \$G(PSOTECCK) S PSORX("DFLG")=1 Q .I '\$P(PSOPAR,"^",2),\$P(PSOPAR,"^",16),\$G(PSOTECCK) D DUP Q</pre>		

```

.I $P(PSOPAR,"^",2),$G(PSOTECCK) D Q
..S DA=+PSOSD(STA,DNM),PSOCLC=DUZ
..S MSG="Discontinued During Reinstating Prescription Entry",ACT="Discontinued during Rx
Reinstate."
..S ^TMP("PSORXDC",$J,RXREC,0)="P^"_RXREC_"^"_MSG_"^"_"_DNM
.I $P($G(PSOPAR),"^",16) D DUP Q:$G(PSORX("DFLG"))
.I $P($G(PSOPAR),"^",2),'$P(PSOPAR,"^",16) D DUP Q:$G(PSORX("DFLG"))
.I '$P(PSOPAR,"^",2),'$P(PSOPAR,"^",16) D DUP Q:$G(PSORX("DFLG"))
D:PSODRUG("NAME")=$P(DNM,"^")&($D(^XUSEC("PSORPH",DUZ))) DUP Q:$G(PSORX("DFLG"))
K FSIG Q
DUP
S DUP=1 W !,PSONULN,!,$C(7),"DUPLICATE DRUG in a Pending Order for",!
S MSG="Discontinued During "$S('$G(PSONV):"New Prescription Entry",1:"Verification")_"
- Duplicate Drug."
DATA
S DUPRX0=^PS(52.41,RXREC,0),RFLS=$P(DUPRX0,"^",11),ISSD=$P(DUPRX0,"^",6)
S RXRECLOD=RXREC N DNM,ACT
I '$P(DUPRX0,"^",9) W !,$J("Orderable Item: ",20)_$P(^PS(50.7,$P(DUPRX0
,"^",8),0),"^")_" "$P(^PS(50.606,$P(^0),"^",2),0),"^")
E W !,$J("Drug: ",20)_$S($P(DUPRX0,"^",9):$P(^PSDRUG($P(DUPRX0,"^",9),0),"^"),1:"No
Dispense Drug Selected")
S DNM=$S($P(DUPRX0,"^",9):$P(^PSDRUG($P(DUPRX0,"^",9),0),"^"),1:$P(^PS(
50.7,$P(DUPRX0,"^",8),0),"^")_" "$P(^PS(50.606,$P(^0),"^",2),0),"^"))
D FSIG^PSOUTLA("P",RXREC,50)
W !,$J("SIG: ",20) F I=0:0 S I=$O(FSIG(I)) Q:'I W $J(FSIG(I),20) I $O(FSIG(I)) W !?8
W !,$J("Quantity: ",20)_$P(DUPRX0,"^",10),?35,$J("# of Refills: ",20)_$P(DUPRX0,"^",11)
W !,$J("Provider: ",20)_$P(^VA(200,$P(DUPRX0,"^",5),0),"^")
S Y=$P(DUPRX0,"^",6) X ^DD("DD") W ?30,$J("Issue Date: ",20)_Y
S TY=3 D INST
W !,PSONULN,! I $P($G(^PS(53,$P($G(PSORX("PATIENT STATUS")),("^",0))),")
^")["AUTH ABS"!($G(PSORX("PATIENT STATUS"))["AUTH ABS"]&'$P(PSOPAR,"^",5) W !,"PATIENT ON
AUTHORIZED ABSENCE!" K RXRECLOD Q
ASKCAN
;
S:$D(PSODLQT) PSODLQT=0
I '$P(PSOPAR,"^",16),'$D(^XUSEC("PSORPH",DUZ)) D Q
.S PSORX("DFLG")=1 K RXRECLOD,DIR S DIR(0)="E",DIR("?")="Press Return to continue",
DIR("A")="Press Return to continue" D ^DIR K DIR
D PSOL^PSSLOCK(RXRECLOD_"S") I '$G(PSOMSG) D K PSOMSG,DIR,DUP,RXRECLOD
S DIR(0)="E",DIR("?")="Press Return to continue",DIR("A")="Press Return to continue" D ^DIR K
DIR S PSORX("DFLG")=1 Q
.I $P($G(PSOMSG),"^",2)'="" W !,$P(PSOMSG,"^",2),! Q
.W !,"Another person is editing this pending order.",!
K PSOMSG S DIR("A")="Discontinue Pending Order for "_DNM_" Y/N",DIR(0)=
"Y",DIR("?")="Enter Y to Discontinue this pending order."
D ^DIR K DIR S:($D(DTOUT))!($D(DUOUT))!($G(DIRUT)) PSODLQT=1,PSORX("DFLG")=1
Q:$G(PSODLQT)
I 'Y W !,$C(7)," Pending Order was not discontinued..." S:$G(DUP) PSORX("DFLG")=1 K
DUP,CLS D ULPN Q
S ACT="Discontinued while "$S('$G(PSONV):"entering",1:"verifying")_" new RX"
K ^UTILITY($J,"W") S DIWL=1,DIWR=75,DIWF=""
W ! S X="Pending Order for "_DNM_" will be discontinued after the acceptance of the new
order." D ^DIWP
F ZX=0:0 S ZX=$O(^UTILITY($J,"W",1,ZX)) Q:'ZX W !,^UTILITY($J,"W",1,ZX,0)
K ^UTILITY($J,"W"),X,DIWL,DIWR,DIWF W ! H 2
S ^TMP("PSORXDC",$J,RXREC,0)="P^"_RXREC_"^"_MSG_"^"_"_DNM
K CLS,DUP,PSOSD(STA,DNM),DNM
Q
INST
;displays instruction and/or comments
S INST=0 F S INST=$O(^PS(52.41,RXREC,TY,INST)) Q:'INST S MIG=^PS(52.41,RXREC,TY,INST,0)
D
.W !,$S(TY=2:" Instructions: ",TY=3:" Provider Comments: ",1:"")
.F SG=1:1:$L(MIG," ") W:$X+$L($P(MIG," ",SG))_" ">IOM @$S(TY=3:"!14",1:"!19") W
$P(MIG," ",SG))_" "
K INST,TY,MIG,SG
Q
ULPN
;
I '$G(RXRECLOD) Q
D PSOL^PSSLOCK(RXRECLOD_"S") K RXRECLOD
Q
NVA
;displays duplicate drugs and classes for non-va meds
I $G(IT) D Q
.S SER=$P($G(^PS(56,IT,0)),"^",4)
.W "****"$S(SER=1:"Critical",1:"Significant")_"**** Drug Interaction with a Non-VA Med

```

```

Order.",!,"Drug: "_$P(DNM,"^")
.K DIR,DIRUT,DTOUT,DUOUT S DIR(0)="E",DIR("?")="Press Return to continue",
DIR("A")="Press Return to continue" D ^DIR S:($D(DTOUT))!($D(DUOUT))!($G(DIRU
T)) PSODLQT=1,PSORX("DFLG")=1 Q:$G(PSODLQT) K DIR,DIRUT,DTOUT,DUOUT
Q:$D(^PS(55,PSODFN,"NVA",$P(PSOD(STA,DNM),"^",10),0))
I '$D(^XUSEC("PSORPH",DUZ)),$P(PSOPAR,"^",2),$G(PSOTECCK) Q
S IFN=$P(PSOD(STA,DNM),"^",10),RXREC=IFN
I '$G(IT),$G(PSODRUG("NAME"))=$P(DNM,"^") D DSP Q
Q
DSP S $P(PSONULN,"-",79)="-"
W !,PSONULN,!,"Duplicate Drug in a Non-VA Med Order for",!
S DUPRX0=^PS(55,PSODFN,"NVA",RXREC,0)
;W !,$J("Orderable Item: ",20)_$P(^PS(50.7,$P(DUPRX0,"^",0),"^")_"_-$
P(^PS(50.606,$P(^0),"^",2),0),"^")
W !,$J("Drug: ",20)_$S($P(DUPRX0,"^",2):$P(^PSDRUG($P(DUPRX0,"^",2),0),
"^"),1:"No Dispense Drug Selected")
;W !,$J("Drug Class: ",20)_$G(PSODRUG("VA CLASS"))
W !,$J("Dosage: ",20)_$S($P(DUPRX0,"^",3):$P(DUPRX0,"^",3),1:"<NOT ENTERED>")
W !,$J("Schedule: ",20)_$S($P(DUPRX0,"^",5)]"":$P(DUPRX0,"^",5),1:"<NOT
ENTERED>"),!,$J("Medication Route: ",20)_$S($P(DUPRX0,"^",4)]"":$P(DUPRX0,"^",4),1:"<NOT
ENTERED>")
W !,$J("Start Date: ",20)_$S($P(DUPRX0,"^",9):$FMT^XLFD($P(DUPRX0,"^",9)),1:"<NOT
ENTERED>")
W ?40,$J("CPRS Order #: ",20)_$P(DUPRX0,"^",8)
W !,$J("Documented By: ",20)_$P(^VA(200,$P(DUPRX0,"^",11),0),"^")_" on
"_$FMT^XLFD($P(DUPRX0,"^",10))
W !,PSONULN,!
S ^TMP($J,"PSONVADD",RXREC,0)=1
K RX3,LSTFL,PSONULN,ISSD,J,LSTFD,PHYS,ST,TRM,DUPRX0,FL,FSIG,I,IFN,RFLS,
RXREC,X,Y,IEN,DSC,REA,OCK,ORD1
K DIR,DIRUT,DTOUT,DUOUT S DIR(0)="E",DIR("?")="Press Return to continue",DIR("A")="Press
Return to continue" D ^DIR S:($D(DTOUT))!($D(DUOUT))!($G(DIRUT)) PSODLQT=1,PSORX("DFLG")=1
Q:$G(PSODLQT) K DIR,DIRUT,DTOUT,DUOUT
Q
F I=0:0 S I=$O(^PS(55,PSODFN,"NVA",IFN,"OCK",I)) Q:'I D W !
.I $Y+3>IOSL D W @IOF
..K DIR,DIRUT,DUOUT S DIR(0)="E",DIR("A")="Press Return to Continue or ""^"" to Stop" D
^DIR S:($D(DTOUT))!($D(DUOUT))!($G(DIRUT)) PSODLQT=1,PSORX("DFLG")=1 Q:$G(PSODLQT)
..I '$G(DUOUT) S NVAQ=1
.Q:$G(NVAQ)
.S ORD1=$P(^PS(55,PSODFN,"NVA",IFN,"OCK",I,0),"^"),ORP=$P(^0),"^",2)
.W !,"Order Check #"_I_" : "
.K OCK,LEN I $L(ORD1)>70 S (LEN,IEN)=1 D
..F SG=1:1:$L(ORD1) S:$L($G(OCK(IEN))_"_"_$P(ORD1," ",SG))>75&($P(ORD1," ",SG)]""
IEN=IEN+1 S:$P(ORD1," ",SG)'="" OCK(IEN)=$G(OCK(IEN))_"_"_$P(ORD1," ",SG)
..F II=0:0 S II=$O(OCK(II)) Q:'II W !?5,OCK(II)
.W:$G(LEN) ORD1 K LEN,SG,IEN,II,OCK,ORD1
.W !,"Overriding Provider: "_$S($G(ORP):$P(^VA(200,ORP,0),"^"),1:"")
.K ORP,OCK,REA W !,"Reason: " F SS=0:0 S SS=$O(^PS(55,PSODFN,"NVA",IFN,"OCK",I,"OVR",SS))
Q:'SS S REA(SS)=^PS(55,PSODFN,"NVA",IFN,"OCK",I,"OVR",SS,0)
.I '$O(REA(0)) W " <NOT ENTERED>"
.S IEN=1 F II=0:0 S II=$O(REA(II)) Q:'II D
..F SG=1:1:$L(REA(II)) S:$L($G(OCK(IEN))_"_"_$P(REA(II)," ",SG))>70&($P(REA(II),"
",SG)]"" IEN=IEN+1 S:$P(REA(II)," ",SG)'="" OCK(IEN)=$G(OCK(IEN))_"_"_$P(REA(II)," ",SG)
..K REA,IEN,SG F II=0:0 S II=$O(OCK(II)) Q:'II W OCK(II) I $O(OCK(II))
W !?5
.K OCK W !,"Statement/Explanation/Comments: " F SS=0:0 S SS=$O(^PS(55,PS
ODFN,"NVA",IFN,"DSC",SS)) Q:'SS S DSC(SS)=^PS(55,PSODFN,"NVA",IFN,"DSC",SS,0)
.S IEN=1 F II=0:0 S II=$O(DSC(II)) Q:'II D
..F SG=1:1:$L(DSC(II)) S:$L($G(OCK(IEN))_"_"_$P(DSC(II)," ",SG))>70&($P(DSC(II),"
",SG)]"" IEN=IEN+1 S:$P(DSC(II)," ",SG)'="" OCK(IEN)=$G(OCK(IEN))_"_"_$P(DSC(II)," ",SG)
..K IEN,DSC,SG F II=0:0 S II=$O(OCK(II)) Q:'II W !?5,OCK(II)
Q
;

```

Modified Logic (Changes are in bold)

6.2.12.1.2.13 PSODDPR2

Routine Name	PSODDPR2			
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change			
Requirement Traceability Matrix	CR1006			
Related Options	Patient Prescription Processing [PSO LM BACKDOOR ORDERS] Complete Orders from OERR [PSO LMOE FINISH] View Prescriptions [PSO VIEW] Edit Prescriptions [PSO RXEDIT]			
Related Routines	Routines "Called By"	Routines "Called"		
	PSOCPPRE, PSODDPR3, PSODDPR4, PSODDPR5, PSODDPR7, PSODDPR8, PSODGDGP, PSODRDU2, PSODRG, PSODSPL, PSOORRDI, PSORXI, PSOVER, PSOVER1	PSODDPR3, PSODDPR5, PSODDPR7, PSODDPR8, PSOUTL, PSOFUNC, PSODGDGP, PSORXI, PSSLOCK		
Data Dictionary (DD) References	^PS(50.606, ^PS(50.7, ^PS(55, ^PSDRUG,			
Related Protocols	N/A			
Related Integration Control Registrations (ICRs)	;External reference to ^PS(50.606 supported by DBIA 2174 ;External reference to ^PS(50.7 supported by DBIA 2223 ;External reference to ^PS(55 supported by DBIA 2228 ;External reference to ^PSDRUG supported by DBIA 221 ;External reference to PSOL^PSSLOCK supported by DBIA 2789			
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local			
Input Attribute Name and Definition	Name: Definition:			
Output Attribute Name and Definition	Name: Definition:			
Current Logic				
<pre> PSODDPR2 ;BIR/SAB - display enhanced order checks ;11 May 2010 9:06 AM ; ;7.0;OUTPATIENT PHARMACY;**251,375,379,390**;DEC 1997;Build 86 ;External reference to ^PS(50.606 supported by DBIA 2174 ;External reference to ^PS(50.7 supported by DBIA 2223 ;External reference to ^PS(55 supported by DBIA 2228 ;External reference to ^PSDRUG supported by DBIA 221 ;External reference to PSOL^PSSLOCK supported by DBIA 2789 K ^UTILITY(\$J),PSODRUG("BAD"),THER,THERO,^TMP(\$J,"PSODCOR"),PSOINTV,PSO VAG,PSODD,PSI,PSORDIT,DRGNM,PDODCNT I \$O(^TMP(\$J,LIST,"OUT","EXCEPTIONS",""))] " D EXC^PSODDPR5 G EXIT:\$G(PSODLQT) N COUNT,DRG,ON,CT,DRGI,PDRG,SEV,STX,INT,CLI,PSONULN,PSONULN1,LST,LSI,DG I,SER,SERS,DUPT,SV,PSOLINES,OLDDRG,PSOOLDD,PSOTSUB,PSODSEQ,ZST,ZHDR,ZSUB,ZZDGDGC,PSOCLNS S (ON,DRG,SV,LSI,DGI,SER,SERS,PSOOLDD)="",(ZZDGDGC,CT,COUNT)=0,\$P(PSONU LN,"-",79)="-",\$P(PSONULN1,"-",79)="-",ZHDR=1 D NSRT^PSODDPR5 K ^TMP("PSODGI",\$J),^TMP("PSOSER",\$J),^TMP("PSOSERS",\$J),^TMP("PSODGS",\$J),^TMP("PSOTDD",\$J,1) S (ON,DRG,SV,DGI,SER,SERS,ZVA)="", (ZST,ZORS,CT,COUNT)=0 F S SV=\$O(ZZDGDG(SV)) Q:SV=""!\$G(PSODLQT) F S ZST=\$O(ZZDGDG(SV,ZST)) Q:'ZST!\$G(PSODLQT) F S ZORS=\$O(ZZDGDG(SV,ZST,ZORS)) Q:'ZORS!\$G(PSODLQT) D .F S ZVA=\$O(ZZDGDG(SV,ZST,ZORS,ZVA)) Q:ZVA=""!\$G(PSODLQT) F S DRG=\$O (ZZDGDG(SV,ZST,ZORS,ZVA,DRG)) Q:DRG=""!\$G(PSODLQT) S COUNT=COUNT+1 D DUP^PSODDP R8,BLD2^PSODGDGP </pre>				

```

      K HZVA,ZVA,ZORS,ZZDGDG,PSOCLNS,COUNT,ON,DRG,SV,DGI,PSORX("INTERVENE"),DIR D HD() G
EXIT:$G(PSODLQT)
      Q:$D(PSSDIUTL)
      I +$G(PSOINTV) D INT G EXIT:$G(PSODLQT)
      I $G(PSORX("DFLG")) W:$G(COPY) !,$C(7),"RX DELETED",! S PSORX("DFLG")=1
,POERR("DFLG")=1,VALMBCK="R" G EXIT Q
      I '$D(^XUSEC("PSORPH",DUZ)) K PSORX("INTERVENE")
      I $G(PSORX("INTERVENE"))]" D FULL^VALM1,^PSORXI S:$G(POERR) VALMBCK="R" W !
      I $G(PSORX("DFLG")) G EXIT
      I $O(^TMP($J,LIST,"OUT","DRUGDRUG","ERROR",""))]" D G EXIT:PSODLQT I ($Y+5)>IOSL W
@IOF
      .S NODDERR=1 K DIR S DIR(0)="E",DIR("?")="Press Return to continue",DIR("A")="Press
Return to Continue" D ^DIR
      .I ($D(DTOUT))!($D(DUOUT)) S PSODLQT=1,PSORX("DFLG")=1 K DIR,DTOUT,DUOUT Q
      .D HD() Q:$G(PSODLQT) W !,"Drug Interaction Error(s):",! S CT=0,ON=""
      .F S ON=$O(^TMP($J,LIST,"OUT","DRUGDRUG","ERROR",ON)) Q:ON="" F S CT
=$O(^TMP($J,LIST,"OUT","DRUGDRUG","ERROR",ON,CT)) Q:'CT D
      ..Q:$G(NODDERR)&($P(ON,";")="Z")
      ..W ?5,$S($P(ON,";")="N":",", $P(ON,";")="R": "Remote Rx for ", $P(ON,";")="O": "Local Rx for
",1:"Prospective Rx for ")
      ..W " _^TMP($J,LIST,"OUT","DRUGDRUG","ERROR",ON,CT,"MSG"),!, " _^TMP
($J,LIST,"OUT","DRUGDRUG","ERROR",ON,CT,"TEXT"),!
      .D HD() Q:$G(PSODLQT)
      ;therapy
      D HD() G EXIT:$G(PSODLQT)
THER      I '$O(^TMP($J,LIST,"OUT","THERAPY",0)) G EXIT
      I '$D(^XUSEC("PSORPH",DUZ)), $P(PSOPAR,"^",2), $G(PSOTECCK) G EXIT
      D NSRT1^PSODDPR5
      N ON,DDTH,CLASS,QTHER,ZDRG,ZTHER K DUPT,THER,THERO,SUB,ZOT I '$P(PSOPAR,"^",10) D
NOCAN^PSODDPR5 G ERR
      D HD() G EXIT:$G(PSODLQT) W @IOF,PERSONULN1,! S (SUB,CT,LST,PSOZZ)=0 S
THER=1,THERO=0,QTHER=1 K RXDT
      F S CT=$O(^TMP($J,LIST,"OUT","THERAPY",CT)) Q:'CT!$G(PSODLQT) F S SU
B=$O(^TMP($J,LIST,"OUT","THERAPY",CT,"DRUGS",SUB)) Q:'SUB!$G(PSODLQT) S ON=$P(^
TMP($J,LIST,"OUT","THERAPY",CT,"DRUGS",SUB),"^") D
      .I $G(PSODCTH(ON)) Q
      .S RXREC=$P(ON,";",2)
      .I $P(ON,";")="Z" Q
      .I $P(ON,";")="N", $G(^TMP($J,"PSONVADD",RXREC,0)) Q
      .I $P(ON,";")="R", $G(^TMP($J,"PSORMDD",RXREC,0)) Q
      .I $P(ON,";")="O", $G(^TMP("PSORXDC",$J,RXREC,0)) Q
      .I $P(ON,";")="P", $G(^TMP("PSORXDC",$J,RXREC,0)) Q
      .I $P(ON,";")="O", $G(^TMP("PSORXDD",$J,RXREC,0)) Q
      .S ZOT=$S($P(ON,";")["C":1,$P(ON,";")="O":2,$P(ON,";")="R":3,$P(ON,";")="P":4,1:5)
      .I $P(ON,";")="P" D
      ..I '$P(^PS(52.41,$P(ON,";",2),0),"^",9) S ZDRG=$P(^PS(50.7,$P(^PS(52.4
1,$P(ON,";",2),0),"^",8),0),"^")_ " _$P(^PS(50.606,$P(^0),"^",2),0),"^") Q
      ..S ZDRG=$P(^PSDRUG($P(^PS(52.41,$P(ON,";",2),0),"^",9),0),"^")
      .I $P(ON,";")="O" S ZDRG=$P(^PSDRUG($P(^PSRX($P(ON,";",2),0),"^",6),0),"^")
      .I $P(ON,";")="N" D
      ..S DUPRX0=^PS(55,PSODFN,"NVA",$P(ON,";",2),0)
      .I '$P(DUPRX0,"^",2) S ZDRG=$P(^PS(50.7,$P(DUPRX0,"^"),0),"^")_ " _$P(
^PS(50.606,$P(^0),"^",2),0),"^") Q
      ..S ZDRG=$P(^PSDRUG($P(DUPRX0,"^",2),0),"^")
      .I $P(ON,";")="R" D
      ..Q:'$D(^TMP($J,LIST,"OUT","REMOTE",$P(ON,";",2)))
      ..S RXREC=^TMP($J,LIST,"OUT","REMOTE",$P(ON,";",2)),ZDRG=$P(RXREC,"^",3)
      .I $E($P(ON,";"))="C" S RXREC=^TMP($J,LIST,"IN","PROFILE",ON),ZDRG=$P(R
XREC,U,4) Q:$D(ZTHER(ZOT_"^"_ZDRG_"^"_ON)) ; clinic order
      .S ZTHER(ZOT_"^"_ZDRG_"^"_ON,SUB)=ON K ZDRG
      G EXIT:$G(PSODLQT)
      I $O(ZTHER(" "))]" D
      .S (PSODUPF,PSODUPC,PSODUPC1,PSOTSUB)="" F S PSODUPF=$O(ZTHER(PSODUPF)) Q:PSODUPF="" F
S PSOTSUB=$O(ZTHER(PSODUPF,PSOTSUB)) Q:PSOTSUB="" S PSODUPC1=PSODUPC1+1
      ;get line counts for each duplicate therapy by setting PSODUPF=1 and calling DUPCL to
execute therapy code without actually displaying info. ; no breaks in the middle of displaying
individual dup therapies.
      .S PSODUPF=1,PSODUPC=0,PSODUPC("CLASS")="" D DUPCL S PSODUPF=0
      ;set PSODUPF=0 then call DUPCL to actually print the duplicate therapies.
      .D DUPCL K DDTH,PSODUPC,PSODUPF,PSODUPC1,PSODUPC2
      G EXIT:$G(PSODLQT)

```



```

K PSODCTH,RXDT,PSOZZ
I $P(PSOPAR,"^",10),$O(^TMP($J,"PSODCOR",0)),'$G(PSODGCK) D DCOR^PSODDP
R3 K ^TMP($J,"PSODCOR") D HD() G EXIT:$G(PSODLQT) W !,PSONULN1,!
ERR I $O(^TMP($J,LIST,"OUT","THERAPY","ERROR",""))]" D S NODTERR=1 K DIR S
DIR(0)="E",DIR("?")="Press Return to continue",DIR("A")="Press Return to Continue" D ^DIR
.D HD() Q:$G(PSODLQT) W !,"Drug Therapy Error(s):",! S CT=0,ON=""
.F S ON=$O(^TMP($J,LIST,"OUT","THERAPY","ERROR",ON)) Q:ON="!$G(PSODLQT) F S
CT=$O(^TMP($J,LIST,"OUT","THERAPY","ERROR",ON,CT)) Q:'CT!$G(PSODLQT) D
..Q:$G(NODTERR)&($P(ON,";")="Z")!$G(PSODLQT)
..D HD() Q:$G(PSODLQT) W ?5,$S($P(ON,";")="P":"Pending Order: ",$P(ON,";")="N":"Non-VA
Med Order: ",$P(ON,";")="R":"Remote Rx: ",$P(ON,";")="O":"Rx: ",1:"Prospective Rx: ")
..D HD() Q:$G(PSODLQT) W " " ^TMP($J,LIST,"OUT","THERAPY","ERROR",ON,CT,"MSG"),!, "
" ^TMP($J,LIST,"OUT","THERAPY","ERROR",ON,CT,"TEXT"),!
I $O(^TMP($J,LIST,"OUT","THERAPY","ERROR",""))]" S:($D(DTOUT))!($D(DUOUT))!($G(DIRUT))
PSODLQT=1,PSORX("DFLG")=1 K DIR,DTOUT,DUOUT Q:$G(PSODLQT)
D HD()
EXIT ;
D ^PSOBUILD
K DSPL,CAN,DA,DIR,DNM,DUPRX0,ISSD,J,LSTFL,MSG,PHYS,PSOCLC,PSONULN,REA,R
FLS,RX0,RX2,RXN,RXREC,ST,Y,ZZ,ACT,PSOCLC,PSOLR,PSOLDT,PSOCD,SIG,ZCT
K IT,LST,THER,THERO,^UTILITY($J),DGI,SER,SEV,SERS,BSIG,I,NODDERR,NODTER
R,PDRG,DRGI,STATUS,^UTILITY($J,"W"),X,ZX,DIWL,DIWR,DIWF,THER,THERO,PSOINTV,ZTHER
,PSOVORD,PSODCTH,ZZDGDG,ZZDGDG2
Q
;
RX D HD() Q:$G(PSODLQT) W ! S RXREC=$P(ON,";",2)
S DUPRX0=^PSRX(RXREC,0),RFLS=$P(DUPRX0,"^",9),ISSD=$P(^PSRX(RXREC,0),"^
",13),RX0=DUPRX0,RX2=^PSRX(RXREC,2),STATUS=+$G(^PSRX(RXREC,"STA"))
S RXRECLOC=$G(RXREC)
S J=RXREC D STAT^PSOFUNC K RX0,RX2
I $P($G(^PS(53,$P($G(PSORX("PATIENT STATUS")),^"),0)),^")["AUTH ABS"
!($G(PSORX("PATIENT STATUS"))["AUTH ABS"]&$P(PSOPAR,"^",5) W !,"PATIENT ON AUTHORIZED ABSENCE!"
K RXRECLOC Q
I STATUS>10,STATUS'=16 K DIR S DIR(0)="E",DIR("?")="Press Return to
continue",DIR("A")="Press Return to continue" D ^DIR W @IOF S:($D(DTOUT))!($D(DUOUT
))!($G(DIRUT)) PSODLQT=1,PSORX("DFLG")=1 K DIR,DTOUT,DUOUT,DIRUT,RXRECLOC Q
I '$P(PSOPAR,"^",2),'$P(PSOPAR,"^",16),'$D(^XUSEC("PSORPH",DUZ)) S PSORX("DFLG")=1 K
RXRECLOC Q
I '$P(PSOPAR,"^",2),'$P(PSOPAR,"^",16),'$D(^XUSEC("PSORPH",DUZ)) S PSORX("DFLG")=1 K
RXRECLOC Q
I STATUS=16 W !,"Prescription "_$P($G(^PSRX(+$G(RXRECLOC),0)),^")_" is on Provider
Hold, it cannot be discontinued.",! K DUP,RXRECLOC S PSORX("DFLG")=1 Q
D PSOL^PSSLOCK(RXRECLOC) I '$G(PSOMSG) D K PSOMSG,DIR,DUP,RXRECLOC S DIR("A")="Press
Return to continue",DIR(0)="E",DIR("?")="Press Return to continue" D ^DIR K DIR S PSORX("DFLG")=1
Q
.I $P($G(PSOMSG),^",2)'="" W !,$P(PSOMSG,^",2),! Q
.W !,"Another person is editing Rx #_"$P($G(^PSRX(RXREC,0)),^"),,!
K PSOMSG S DIR("A")=$S(STATUS=12:"Reinstate",1:"Discontinue")_" RX # "_"
$P(^PSRX(RXREC,0),^"),DIR(0)="Y",DIR("?")="Enter Y to "_$S(STATUS=12:"reinstate
",1:"discontinue")_" this RX."
D ^DIR K DIR S:($D(DTOUT))!($D(DUOUT))!($G(DIRUT)) PSODLQT=1,PSORX("DFLG")=1
Q:$G(PSODLQT)
S DA=RXREC S ACT=$S($D(SPCANC):"Reinstated during Rx cancel.",1:$S(STAT
US=12:"Reinstated",1:"Discontinued")_" while "_$S('$G(PSONV):"entering",1:"verifying")
_" new RX")
D CMOP^PSOUTL I $G(CMOP("S"))="L" W !,"A CMOP Rx cannot be discontinued during
transmission!",! S Y=0 K CMOP
I 'Y W $C(7)," -Prescription was not "_$S(STATUS=12:"reinstated",1:"discontinued")_"..."
D Q
.S:'$D(PSOCLC) PSOCLC=DUZ S MSG=ACT,REA=$S(STATUS=12:"R",1:"C") S:$G(DUP) SORX("DFLG")=1
K DUP
.I $D(^TMP("PSORXDC",$J,RXREC,0)) K ^TMP("PSORXDC",$J,RXREC,0)
S PSOCLC=DUZ,MSG=$S($G(MSG)):"":MSG,1:ACT_" During New RX "_$S('$G(PSONV
):"Entry",1:"Verification")_" - Duplicate Rx"),REA=$S(STATUS=12:"R",1:"C")
W !,"THERAPEUTIC DUPLICATIONS will be discontinued after the acceptance of the new
order.",!
S ^TMP("PSORXDC",$J,RXREC,0)="52^"_DA_"^"_MSG_"^"_REA_"^"_ACT_"^"_ST_"^
"__DRG,PSONOR="D"
K RXRECLOC,DUP,CLS,PSONOR,STATUS,ACT,PSONV,REA,SPCANC
Q
;

```

```

DUPCL ;
Q:$G(PSODLQT)
S:$G(PSODUPF) PSODUPC=PSODUPC+1 W:'$G(PSODUPF) @IOF,PSONULN1,!
I '$G(PSODUPF) W "**** THERAPEUTIC DUPLICATION(S) *** "_PSODRUG("NAME")_" with"
S:$G(PSODUPF) PSODUPC=PSODUPC+1 N PSODUPCT,PSODUPC2,PSODUPCL
S (PSODUPC2,PSODUPCT)=0 S:'$G(PSODUPF) PSODUPCT=2
;displays order and therapy
K DDTH S (PSODUPCL,ZSUB,ZCT,PSODSEQ)="
F S ZCT=$O(ZTHER(ZCT)) Q:ZCT="!($G(PSODLQT)) F S PSODSEQ=$O(ZTHER(ZCT,PSODSEQ))
Q:PSODSEQ="!($G(PSODLQT)) S ON=ZTHER(ZCT,PSODSEQ) D
.S PDODCNT=0,PSODUPC2=PSODUPC2+1 I '$G(PSODUPF) S PSODUPC(ZCT)=0
.I PSODUPC2=PSODUPC2+1
.I '$G(PSODUPF) D
..I PSODUPC2=PSODUPC1,(PSODUPCT+PSODUPC(ZCT)+PSODUPC("CLASS"))>22 D HD(15) Q:$G(PSODLQT)
S PSODUPCT=0
..I (PSODUPCT+PSODUPC(ZCT))>22 D HD(15) Q:$G(PSODLQT) S PSODUPCT=0
..S PSODUPCT=PSODUPCT+PSODUPC(ZCT)
.I $P(ON,";")="O" D HD() Q:$G(PSODLQT) S:$G(PSODUPF) PSODUPC(ZCT)=PSODUPC(ZCT)+1
W:'$G(PSODUPF) ! D DDRX^PSODDPR8 D
..Q:STATUS>5&(STATUS'=16)
..Q:$G(^TMP("PSORXDC",$J,RXREC,0))]"
..Q:$G(RXDT("O",RXREC))
..S RX0=^PSRX(RXREC,0),J=RXREC,RX2=^PSRX(RXREC,2) D STAT^PSOFUNC K RX0,RX2
..S PSOZZ=PSOZZ+1,^TMP($J,"PSODCOR",PSOZZ)="52_"^"_RXREC_"^"_ST_"^"_DRGNM,
RXDT("O",RXREC)=1
.I $P(ON,";")="N" D HD() Q:$G(PSODLQT) S:$G(PSODUPF) PSODUPC(ZCT)=PSOD
UPC(ZCT)+1 W:'$G(PSODUPF) ! D ^PSODDPR3
.I $P(ON,";")="P" D
..D HD(8) Q:$G(PSODLQT) S:$G(PSODUPF) PSODUPC(ZCT)=PSODUPC(ZCT)+1 W:'$
G(PSODUPF) ! S RXREC=$P(ON,";",2) D PEND^PSODDPR8
..Q:$G(^TMP("PSORXDC",$J,RXREC,0))]"
..Q:$G(RXDT("P",RXREC))
..S PSOZZ=PSOZZ+1,DUPRX0=^PS(52.41,RXREC,0)
..S ^TMP($J,"PSODCOR",PSOZZ)="P_"^"_RXREC_"^"_S($P(DUPRX0,"^",9):$P(
^PSDRUG($P(DUPRX0,"^",9),0),"^"),1:$P(^PS(50.7,$P(DUPRX0,"^",8),0),"^")_" "_$P(^
PS(50.606,$P(^PS(50.7,$P(DUPRX0,"^",8),0),"^",2),0),"^")
..S ^TMP($J,"PSODCOR",PSOZZ)=^TMP($J,"PSODCOR",PSOZZ)"^"_S('$P(DUPRX0
,"^",9):$P(^PS(50.7,$P(DUPRX0,"^",8),0),"^")_" "_$P(^PS(50.606,$P(^PS(50.7,$P(DU
PRX0,"^",8),0),"^",2),0),"^"),1:$P(^PSDRUG($P(DUPRX0,"^",9),0),"^")
..S RXDT("P",RXREC)=1
.I $P(ON,";")="R" S:$G(PSODUPF) PSODUPC(ZCT)=PSODUPC(ZCT)+1 W:'$G(PSODUPF) ! D
RDI^PSODDPR3 D HD() Q:$G(PSODLQT)
.I $E($P(ON,";"))="C" D HD() Q:$G(PSODLQT) S:$G(PSODUPF) PSODUPC(ZCT)=
PSODUPC(ZCT)+1 W:'$G(PSODUPF) ! D DUP^PSODDPR7 ; clinic order
.I $O(ZTHER(ZCT,PSODSEQ))'="" D HD() Q:$G(PSODLQT) S:$G(PSODUPF) PSODU
PC(ZCT)=PSODUPC(ZCT)+1 W:'$G(PSODUPF) !,PSONULN
D CLASSES^PSODDPR3
Q:$G(PSODLQT)
I '$G(PSODUPF) S DIR(0)="E",DIR("?")="Press Return to continue",DIR("A")="Press Return
to continue" D ^DIR K DIR W @IOF
I '$G(PSODUPF),Y'=1!($D(DTOUT))!($D(DUOUT)) S PSODLQT=1,PSORX("DFLG")=1

Q
I '$G(PSODUPF),($Y+5)>IOSL W @IOF
Q
INT ;
Q:$D(PSSDIUTL)
D INT^PSODDPR5
Q
HD(PSOLINES,OVRRID) ;
S:$G(PSODLQT) PSODLQT=0 S:'$G(OVRRID) OVRRID=0 S:$G(PSOLINES) PSOLINES=5
I '$G(OVRRID),$G(PSODLQT)!((($Y+PSOLINES)'>IOSL) Q
N DIR,DTOUT,DUOUT,DIRUT,DIROUT,X,Y
W ! K DIR,Y S DIR(0)="E",DIR("A")="Press return to continue" D ^DIR K DIR
K PSOLINES,OVRRID
I Y'=1!($D(DTOUT))!($D(DUOUT)) S PSODLQT=1,PSORX("DFLG")=1 Q
W:$G(PSODUPF) @IOF
Q

```

Modified Logic (Changes are in bold)

6.2.12.1.2.14 PSODDPR3

Routine Name	PSODDPR3		
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change		
Requirement Traceability Matrix	CR1006		
Related Options	Patient Prescription Processing [PSO LM BACKDOOR ORDERS] Complete Orders from OERR [PSO LMOE FINISH] View Prescriptions [PSO VIEW] Edit Prescriptions [PSO RXEDIT]		
Related Routines	Routines "Called By"	Routines "Called"	
	PSODDPR2, PSODDPR4, PSODDPR7, PSODDPR8	PSODDPR2, PSN50P6	
Data Dictionary (DD) References	^PSDRUG, ^PS(55, ^PS(50.7, ^PS(50.606		
Related Protocols	N/A		
Related Integration Control Registrations (ICRs)	;Reference ^PSDRUG supported by DBIA 221 ;Reference ^PS(55 supported by DBIA 2228 ;Reference ^PS(50.7 is supported by DBIA 2223 ;Reference ^PS(50.606 supported by DBIA 2174		
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local		
Input Attribute Name and Definition	Name: Definition:		
Output Attribute Name and Definition	Name: Definition:		
Current Logic			
<pre> PSODDPR3 ;BIR/SAB - display NVA enhanced order checks ;10/04/06 3:38pm ; ;7.0;OUTPATIENT PHARMACY;**251,375,379**;DEC 1997;Build 28 ;Reference ^PSDRUG supported by DBIA 221 ;Reference ^PS(55 supported by DBIA 2228 ;Reference ^PS(50.7 is supported by DBIA 2223 ;Reference ^PS(50.606 supported by DBIA 2174 NVA S DUPRX0=^PS(55,PSODFN,"NVA",\$P(ON,";",2),0) N NVAQ S:\$G(PSODUPF) PSODUPC(ZCT)=PSODUPC(ZCT)+1 W:'\$G(PSODUPF) ! I '\$P(DUPRX0,"^",2) W:'\$G(PSODUPF) \$J("Non-VA Med: ",20)_\$P(^PS(50.7,\$P(DUPRX0,"^"),0),"^")_ "\$P(^PS(50.606,\$P(^0,"^",2),0),"^") E S:\$G(PSODUPF) PSODUPC(ZCT)=PSODUPC(ZCT)+1 W:'\$G(PSODUPF) \$J("Non-VA Med: ",20)_\$P(^PSDRUG(\$P(DUPRX0,"^",2),0),"^") ;W " (Active)" S:\$G(PSODUPF) PSODUPC(ZCT)=PSODUPC(ZCT)+1 W:'\$G(PSODUPF) !,\$J("Dosage: ",20)_\$S(\$P(DUPRX0,"^",3)]"":\$P(DUPRX0,"^",3),1:"<NOT ENTERED>"),\$J("Schedule: " ,20)_\$S(\$P(DUPRX0,"^",5)]"":\$P(DUPRX0,"^",5),1:"<NOT ENTERED>") K DSC,DSPL,CAN,DA,DIR,DNM,DUPRX0,ISSD,J,LSTFL,MSG,PHYS,PSOCLC,REA,RFLS, RX0,RX2,RXN,RXREC,ST,Y,ZZ,ACT,PSOCLOZ,PSOLR,PSOLDT,PSOCD,SIG K LST,THER,THERO,^UTILITY(\$J),DGI,SER,SEV,SERS,BSIG,I,NODDERR,NODTERR,PDRG,DRGI,IZ K ^UTILITY(\$J,"W"),X,ZX,DIWL,DIWR,DIWF Q MON ;print monograph Q:\$G(PSODLQT) N MONQ,DRGINF,PVAGDRG,PVAGDRG,VAGDRG,MDRGCNT,MONSEV,PSOMON1,MONTITLE,FDBSEV,SMONTI,MONQ K DIR S DIR(0)="Y",DIR("A")="Display Interaction Monograph",DIR("B")="No" D ^DIR S:(\$D(DTOUT))!(\$D(DUOUT))!(\$G(DIRUT)) PSODLQT=1,PSORX("DFLG")=1 W:\$G(PSODLQT) !,PSONULN,! K DIR,DTOUT,DUOUT,DIRUT Q:'Y!(\$G(PSODLQT)) ;ADD OUTPUT DEVICE K IOP,%ZIS,POP S %ZIS="QM" D ^%ZIS I POP W !,"NOTHING PRINTED" Q </pre>			

```

E W !
I $D(IO("Q")) D Q
.S ZTRTN="QUE^PSODDPR3",ZTDESC="Monograph Report of Drug Interactions",
ZTSAVE("PSONULN")="",ZTSAVE("SEV")="",ZTSAVE("LIST")=""
.S ZTSAVE("^TMP($J,LIST,"OUT","DRUGDRUG",SV,DRG,ON,"")="",ZTSAVE("ON
")="",ZTSAVE("DRG")="",ZTSAVE("CT")="",ZTSAVE("PDRG")=""
.S ZTSAVE("^TMP($J,"OUT","REMOTE","")="",ZTSAVE("SV")=""
.D ^%ZTLOAD,^%ZISC W !,"Monograph Queued to Print!",!
.S:$D(ZTQUEUED) ZTREQ="Q"
D QUE,^%ZISC
I $E(IOST)="C",'$G(PSOMONQ) K DIR S DIR(0)="E",DIR("?")="Press Return to
continue",DIR("A")="Press Return to continue" D ^DIR W @IOF S:($D(DTOUT))!($D(
DUOUT))!($G(DIRUT)) PSODLQT=1,PSORX("DFLG")=1 K DIR,DTOUT,DUOUT,DIRUT
K DIR,DTOUT,DUOUT,^UTILITY($J),DIWL,DIWR,DIWF,X,QX,PMON,RDI,^TMP($J,LIST,
"PMON"),RMRX,PSOMON1,PSOMONQ,MONQ,FDBSEV,MONTITLE,SMONTI
Q
;
QUE S (CT,PMON,MDRGCNT)=0 K ^TMP($J,LIST,"PMON")
U IO
;sort to attain an array of FDBSEV by drug and monograph title. Note that the PMON
array is already sorted by Vista Severity
F S CT=$O(^TMP($J,LIST,"OUT","DRUGDRUG",SV,DRG,ON,CT)) Q:'CT D
.I $D(^TMP($J,LIST,"OUT","DRUGDRUG",SV,DRG,ON,CT,"PMON",5,0)) S MONSEV="",
MONSEV=^TMP($J,LIST,"OUT","DRUGDRUG",SV,DRG,ON,CT,"PMON",5,0) D
..S FDBSEV=$P($P(MONSEV,"SEVERITY LEVEL: ",2),"-",1),FDBSEV=$TR(FDBSEV," ","")
S:'$G(FDBSEV) FDBSEV=999999999
..S MONTITLE="",MONTITLE=$G(^TMP($J,LIST,"OUT","DRUGDRUG",SV,DRG,ON,CT,
"PMON",3,0)),MONTITLE=$P(MONTITLE,"MONOGRAPH TITLE: ",2)
..S:MONTITLE="" MONTITLE="Zz No title given"
..S PSOMON1(DRG,MONTITLE,FDBSEV)=""
Q:$G(PSODLQT)
;sort "PMON" nodes by drug and FDB severity then print monograph; MDRGCNT = monograph
drug count - sequential number counting monographs per drug. If multiple monographs fro same
drug allows display of each.
;; PMON = counter of # of lines in the monograph to be displayed; FDBSEV = FDB severity
for each monograph within the Vista severity
F S CT=$O(^TMP($J,LIST,"OUT","DRUGDRUG",SV,DRG,ON,CT)) Q:'CT!$G(PSODLQT) D
PMON=PMON+1,^TMP($J,LIST,"PMON",PMON,0)=""
.S DRGINF0=^TMP($J,LIST,"OUT","DRUGDRUG",SV,DRG,ON,CT),PDRGIEN=$P(DRGIN
FO,"^",2),DRGIEN=$P(DRGINFO,"^",3)
.S PVAGDRG=$$GET1^DIQ(50,PDRGIEN,20,"E"),VAGDRG=$$GET1^DIQ(50,DRGIEN,20
,"E"),MDRGCNT=MDRGCNT+1
.I PVAGDRG="" S PVAGDRG=$P(^TMP($J,LIST,"OUT","DRUGDRUG",SV,DRG,ON,CT),"^",4)
.I VAGDRG="" S VAGDRG=DRG
.S SMONTI=$G(^TMP($J,LIST,"OUT","DRUGDRUG",SV,DRG,ON,CT,"PMON",3,0)),SM
ONTI=$P(SMONTI,"MONOGRAPH TITLE: ",2)
.I $D(PSOMON1(DRG,SMONTI)) S FDBSEV="",FDBSEV=$O(PSOMON1(DRG,SMONTI,FDBSEV))
.S PMON=PMON+1,^TMP($J,LIST,"PMON",FDBSEV,MDRGCNT,PMON,0)=PSONULN
.S PMON=PMON+1,^TMP($J,LIST,"PMON",FDBSEV,MDRGCNT,PMON,0)="Professional
Monograph",PMON=PMON+1
.S ^TMP($J,LIST,"PMON",FDBSEV,MDRGCNT,PMON,0)="Drug Interaction with "_
PVAGDRG_" and "_VAGDRG,PMON=PMON+1,^TMP($J,LIST,"PMON",FDBSEV,MDRGCNT,PMON,0)=""
.F QX=0:0 S QX=$O(^TMP($J,LIST,"OUT","DRUGDRUG",SV,DRG,ON,CT,"PMON",QX)) Q:'QX D FPMON
Q:'$O(^TMP($J,LIST,"PMON",0))!$G(PSODLQT)
K DIR,DTOUT,DUOUT,MONQ U IO W @IOF
I $P(ON,";")="R" S RMRX=$P(^TMP($J,LIST,"OUT","REMOTE",$P(ON,";"),2)),"^",5)
;display monograph detailed information
F FDBSEV=0:0 S FDBSEV=$O(^TMP($J,LIST,"PMON",FDBSEV)) Q:FDBSEV=""!($G(MONQ)) F QXX=0:0
S QXX=$O(^TMP($J,LIST,"PMON",FDBSEV,QXX)) Q:QXX=""!($G(MONQ))
S PSOMONQ=0 D
.F QX=0:0 S QX=$O(^TMP($J,LIST,"PMON",FDBSEV,QXX,QX)) Q:'QX!($G(PSOMONQ)=1)!($G(MONQ))
W !,^TMP($J,LIST,"PMON",FDBSEV,QXX,QX,0) I $Y+3>IOSL D
..I $E(IOST)="C",($Y+3)>IOSL S PSOMONQ=$$PAUSE1()
..I PSOMONQ=1 W @IOF Q
..I PSOMONQ=2 S MONQ=1
..W @IOF,!
Q
;
PAUSE1() ;Allow "^"
;Return 0 if X="" ;Return 1 if X="^" ;Return 2 if Not null or "^"
NEW DIR,DIRUT,DUOUT,X

```

```

W ! K DIR S DIR("A")="Press RETURN to continue, ""^"" to display the next Monograph or
""^"" to Exit"
S DIR("?")="Enter ""^"" to go to next Monograph, ""^"" to exit the Monograph display."
S DIR(0)="FOU^K:(X'=""")!(X'[""^"]) X"
D ^DIR
I X="" Q 0
I X=""^ Q 1
Q 2
RDI ;RDI orders
Q: 'SD(^TMP($J,LIST,"OUT","REMOTE",$P(ON,";",2)))
S RXREC=^TMP($J,LIST,"OUT","REMOTE",$P(ON,";",2))
S:$G(PSODUPF) PSODUPC(ZCT)=PSODUPC(ZCT)+1 W: '$G(PSODUPF) !,$J("LOCATION:
",20)_$P(RXREC,"^")_ Remote Rx: "_$P(RXREC,"^",5)
S:$G(PSODUPF) PSODUPC(ZCT)=PSODUPC(ZCT)+1 W: '$G(PSODUPF) !,$J("Drug: ",
20)_$P(RXREC,"^",3)_ ("_$P(RXREC,"^",4)_)"
D FSIG(.FSIG)
S:$G(PSODUPF) PSODUPC(ZCT)=PSODUPC(ZCT)+1 W: '$G(PSODUPF) !,$J("SIG: ",20) F I=1:1
Q: 'SD(FSIG(I)) W: '$G(PSODUPF) ?20,FSIG(I) I $O(FSIG(I)) W: '$G(PSODUPF) !
I $G(QTHER) S:$G(PSODUPF) PSODUPC(ZCT)=PSODUPC(ZCT)+1 W: '$G(PSODUPF) !,
$J("QTY: ",20)_$P(RXREC,"^",8),?40,$J("Days Supply: ",24)_$P(RXREC,"^",7)
S:$G(PSODUPF) PSODUPC(ZCT)=PSODUPC(ZCT)+1 W: '$G(PSODUPF) !,$J("Last Filled On:
",20)_$P(RXREC,"^",6)
S ^TMP($J,"PSONRVADD",RXREC,0)=1
K RXREC,I,FSIG
Q
FSIG(FSIG) ;Format sig from remote site ;returned in the FSIG array
K FSIG N FFF,NNN,CNT,FVAR,FVAR1,FLIM,HSIG,II,I
F I=0:1 Q: 'SD(^TMP($J,LIST,"OUT","REMOTE",$P(ON,";",2),"SIG",I)) S HSI
G(I+1)=^(I)
FSTART S (FVAR,FVAR1)="",II=1
F FFF=0:0 S FFF=$O(HSIG(FFF)) Q: 'FFF S CNT=0 F NNN=1:1:$L(HSIG(FFF)) I
$E(HSIG(FFF),NNN)=" "!( $L(HSIG(FFF))=NNN) S CNT=CNT+1 D I $L(FVAR)>50 S FSIG(I
I)=FLIM_ " ",II=II+1,FVAR=FVAR1
.S FVAR1=$P(HSIG(FFF)," ",(CNT))
.S FLIM=FVAR
.S FVAR=$S(FVAR="":FVAR1,1:FVAR_ " _FVAR1)
I $G(FVAR)'="" S FSIG(II)=FVAR
I $G(FSIG(1))=""!($G(FSIG(1))="" ) S FSIG(1)=$G(FSIG(2)) K FSIG(2)
FQUIT ;
Q
DCOR ;dc duplicate therapy
D HD^PSODDPR2() Q:$G(PSODLQT)
Q: 'SD(^XUSEC("PSORPH",DUZ))!$G(PSODLQT)
S MSG="Discontinued During "_$S('$G(PSONV):"New Prescription Entry",1:"Verification")_"
- Duplicate Therapy"
S ACT="Duplicate Therapy Discontinued while "_$S('$G(PSONV):"entering",1:"verifying")_"
new RX"
N DCN,DCRD,LST S THERO=0 F I=0:0 S I=$O(^TMP($J,"PSDCOR",I)) Q: 'I S THERO=THERO+1
I THERO=1 D Q
.K DIR S DIR(0)="Y",THER(1)=^TMP($J,"PSDCOR",1)
.S DIR("A")="Discontinue "_$S($P(THER(1),"^")="P":"Pending Order "_$P(THER(1)
,"^",4),1:"Rx #$_$P(^PSRX($P(THER(1),"^",2),0),"^")_" "$P(THER(1),"^",4))_" Y/N "
.D ^DIR S:($D(DTOUT))!($D(DUOUT))!($G(DIRUT)) PSODLQT=1,PSORX("DFLG")=1 Q:$G(PSODLQT) K
DIR,DIRUT I 'Y K DIR,THER,THERO,X,Y Q
.S ^TMP("PSORXDC",$J,$P(THER(1),"^",2),0)=$P(THER(1),"^")_"^"$P(THER(1),"^",2)_"^"_MSG
.I $P(THER(1),"^",2)=52 S ^TMP("PSORXDC",$J,$P(THER(1),"^",2),0)=^TMP("PS
ORXDC",$J,$P(THER(1),"^",2),0)_"^C^"_ACT_"^"$P(THER(1),"^",3)_"^"$P(THER(1),"^",4),PSONOR="D"
.S $P(^TMP("PSORXDC",$J,$P(THER(1),"^",2),0),"^",10)=1
.W !! K ^UTILITY($J,"W") S DIWL=1,DIWR=75,DIWF=""
.S X="Duplicate Therapy "_$S($P(THER(1),"^")="P":"Pending Order ",1:"Rx
#$_$P(^PSRX($P(THER(1),"^",2),0),"^")_" "$P(THER(1),"^",4)_" will be discontinued after the
acceptance of the new order." D ^DIWP
.F ZX=0:0 S ZX=$O(^UTILITY($J,"W",1,ZX)) Q: 'ZX W !,^UTILITY($J,"W",1,ZX,0)
.K ^UTILITY($J,"W"),X,DIWL,DIWR,DIWF W ! H 2
K DIR S DIR(0)="Y",DIR("A")="Discontinue Orders Y/N ",DIR("B")="No" D ^DIR
S:($D(DTOUT))!($D(DUOUT))!($G(DIRUT)) PSODLQT=1,PSORX("DFLG")=1 Q:$G(PSODLQT)
I 'Y K DIR,X,Y Q
K DIR S DIR(0)="LO^1:"_THERO
D HD^PSODDPR2() Q:$G(PSODLQT)
F I=1:1:THERO S DIR("A",I)=I_ . "$S($P(^TMP($J,"PSDCOR",I),"^")="P":"Pending Order
"$P(^TMP($J,"PSDCOR",I),"^",4),1:"Rx #$_$P(^PSRX($P(^TMP($J,"PSDCOR",I),"^",2),0),"^")_"

```

```

"_$P(^TMP($J,"PSODCOR",I),"^",4))
  S DIR("A")="Select Order(s)" D ^DIR S:($D(DTOUT))!($D(DUOUT))!($G(DIRUT))
PSODLQT=1,PSORX("DFLG")=1 Q:$G(PSODLQT) K DIR,DIRUT I 'Y K THER,THERO Q
  S LST=Y(0) F DCRD=1:1:$L(LST,"") Q:$P(LST,"",DCRD)'!$G(PSODLQT) D
  .S DCN=$P(LST,"",DCRD),THER(DCN)=^TMP($J,"PSODCOR",DCN)
  .S ^TMP("PSORXDC",$J,$P(THER(DCN),"^",2),0)=$P(THER(DCN),"^")_ "^"_$P(THER
(DCN),"^",2)_ "^" _MSG
  .I $P(THER(DCN),"^")=52 S ^TMP("PSORXDC",$J,$P(THER(DCN),"^",2),0)=^TMP
("PSORXDC",$J,$P(THER(DCN),"^",2),0)_ "^C^" _ACT_ "^"_$P(THER(DCN),"^",3)_ "^"_$P(THER
(DCN),"^",4),PSOOR="D"
  .S $P(^TMP("PSORXDC",$J,$P(THER(DCN),"^",2),0),"^",10)=1
  .W ! K ^UTILITY($J,"W") S DIWL=1,DIWR=75,DIWF=""
  .S X="Duplicate Therapy " _$S($P(THER(DCN),"^")="P": "Pending Order " _$P(
THER(DCN),"^",4),1:"Rx #" _$P(^PSRX($P(THER(DCN),"^",2),0),"^")_ " _$P(THER(DCN),
"^",4))_ " will be discontinued after the acceptance of the new order." D ^DIWP
  .F ZX=0:0 S ZX=$O(^UTILITY($J,"W",1,ZX)) Q:'ZX W !,^UTILITY($J,"W",1,ZX,0)
  .K ^UTILITY($J,"W"),X,DIWL,DIWR,DIWF H 2
  W ! K X,Y,THER,THERO,MSG,ACT,I,DIR
  Q
FPMON
;displays instruction and/or comments
  S PMON=PMON+1,MG=^TMP($J,LIST,"OUT","DRUGDRUG",SV,DRG,ON,CT,"PMON",QX,0)
  I MG="" S ^TMP($J,LIST,"PMON",FDBSEV,MDRGCNT,PMON,0)="" ,PMON=PMON+1 Q
  I $L(MG)>70 F SG=1:1:$L(MG,"") S:$L(($G(^TMP($J,LIST,"PMON",FDBSEV,MDR
GCNT,PMON,0))_ " _$P(MG,"",SG))>80 PMON=PMON+1 S ^TMP($J,LIST,"PMON",FDBSEV,MD
RGCNT,PMON,0)=$G(^TMP($J,LIST,"PMON",FDBSEV,MDRGCNT,PMON,0))_ $P(MG,"",SG)_ "
  E S PMON=PMON+1,^TMP($J,LIST,"PMON",FDBSEV,MDRGCNT,PMON,0)=$G(^TMP($J,
LIST,"PMON",FDBSEV,MDRGCNT,PMON,0))_MG
  K MG,SG
  Q
VAGEN(PSODD) ;Return the VA GENERIC name
;PSODD - IEN (file #50)
  N PSOIEN I '+$G(PSODD) Q ""
  S PSOIEN+= $G(^PSDRUG(PSODD,"ND")) D ZERO^PSN50P6(PSOIEN,,,"PSOVAG")
  S PSOVAG=$G(^TMP($J,"PSOVAG",PSOIEN,.01)) K ^TMP($J,"PSOVAG")
  Q PSOVAG
INST
;displays instruction and/or comments
  S INST=0 F S INST=$O(^PS(52.41,RXREC,TY,INST)) Q:'INST S MIG=^PS(52.4
1,RXREC,TY,INST,0) D
  .W !,$S(TY=2:" Instructions: ",TY=3:" Provider Comments: ",1:"")
  .F SG=1:1:$L(MIG,"") D HD^PSODDPR2() Q:$G(PSODLQT) W:$X+$L($P(MIG,"",SG)_ " ">IOM
@$S(TY=3:"!?!14",1:"!?!19") W $P(MIG,"",SG)_ "
  K INST,TY,MIG,SG
  Q
CLASSES
;display therapeutic duplications classes (called from PSODDPR5 too)
  I '$G(PSODUPF) D
  .I '$G(PSODUPCT)&(' $G(PSODUPC("CLASS"))) D HD^PSODDPR2() Q
  .I ($G(PSODUPCT)+PSODUPC("CLASS"))>22 D HD^PSODDPR2(15) S PSODUPCT=0
  Q:$G(PSODLQT)
  K ^UTILITY($J,"W") S DIWL=1,DIWR=75,DIWF="",ZCT=0 S:$G(PSODUPF) PSODUPC
("CLASS")=PSODUPC("CLASS")+1 W:$G(PSODUPF) !
  S X="Class(es) Involved in Therapeutic Duplication(s): " D ^DIWP
  S (ZCT,ZZCT,ZZZCT)=0 F S ZZCT=$O(^TMP($J,LIST,"OUT","THERAPY",ZZCT)) Q
:'ZZCT S ZCT=0 F S ZCT=$O(^TMP($J,LIST,"OUT","THERAPY",ZZCT,ZCT)) Q:'ZCT D
  . S X=^TMP($J,LIST,"OUT","THERAPY",ZZCT,ZCT,"CLASS")
  . S X=^TMP($J,LIST,"OUT","THERAPY",ZZCT,ZCT,"CLASS")_ $S($O(^TMP($J,LIST
,"OUT","THERAPY",ZZCT))!($O(^TMP($J,LIST,"OUT","THERAPY",ZZCT,ZCT)):" ",1:" ")
  . D ^DIWP
  F ZX=0:0 S ZX=$O(^UTILITY($J,"W",1,ZX)) Q:'ZX S:$G(PSODUPF) PSODUPC("C
LASS")=PSODUPC("CLASS")+1 W:$G(PSODUPF) !,^UTILITY($J,"W",1,ZX,0)
  K ^UTILITY($J,"W"),X,CLASS,DIWL,DIWR,DIWF,ZX,DRG,ZCT,ZZCT,ZZZCT
  S:$G(PSODUPF) PSODUPC("CLASS")=PSODUPC("CLASS")+1 W:$G(PSODUPF) !,PSOULN1,!
  Q

```

Modified Logic (Changes are in bold)

6.2.12.1.2.15 PSODDPR5

Routine Name	PSODDPR5		
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change		
Requirement Traceability Matrix	CR1006		
Related Options	Patient Prescription Processing [PSO LM BACKDOOR ORDERS] Complete Orders from OERR [PSO LMOE FINISH] View Prescriptions [PSO VIEW] Edit Prescriptions [PSO RXEDIT]		
Related Routines	Routines "Called By"	Routines "Called"	
	PSODDPR2, PSODDPR3, PSOORRDI, PSSDIUTL	PSNAPIS, PSN50P68, PSODDPR2, PSODDPR3, PSODIR1, PSODRG, PSOUTL, PSODGDGP, PSDGDG1	
Data Dictionary (DD) References	^PSDRUG, ^PS(50.606, ^PS(50.7		
Related Protocols	N/A		
Related Integration Control Registrations (ICRs)	;External reference to ^PSDRUG supported by DBIA 221 ;External reference to ^PS(50.606 supported by DBIA 2174 ;External reference to ^PS(50.7 supported by DBIA 2223		
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local		
Input Attribute Name and Definition	N/A		
Output Attribute Name and Definition	N/A		
Current Logic			
<pre> PSODDPR5 ;BIR/SAB - displays OP/rdi/pending/nva orders ;09/320/06 11:33am ; ;7.0;OUTPATIENT PHARMACY;**251,375,379,390**;DEC 1997;Build 86 ;External reference to ^PSDRUG supported by DBIA 221 ;External reference to ^PS(50.606 supported by DBIA 2174 ;External reference to ^PS(50.7 supported by DBIA 2223 ; EXC ;displays order check exceptions N Q,CT,ONT,OT,ON,TD,ERRTY,OP,OPP,ZEXC,ZREA,X,DIWL,DIWR,DIWF,PSOWROTE I (\$Y+5)'>IOSL D HD^PSODDPR2() Q:\$G(PSODLQT) ;W @IOF S (CT,Q)=0,ONT="" F S ONT=\$O(^TMP(\$J,LIST,"OUT","EXCEPTIONS",ONT)) Q:ONT="" F S CT=\$O(^TMP(\$J,LIST,"OUT","EXCEPTIONS",ONT,CT)) Q:'CT D .S ZEXC=^TMP(\$J,LIST,"OUT","EXCEPTIONS",ONT,CT),ZREA=\$P(^TMP(\$J,LIST,"OUT", "EXCEPTIONS",ONT,CT),"^",10) .S OT=\$P(ONT,";",2),ON=\$P(ONT,";",3),OPP=OT_"^";_ON_"^";_OP .I 'SD(PSODGCK),'SD(PSSDGCK),OT="Z",ZREA="Drug not matched to NDF"!(\$P(^TMP(\$J,LIST,"OUT","EXCEPTIONS",ONT,CT),"^",7){ "manual check") S PSODRUG("BAD",PSODRUG("IEN"))=1 .Q:\$G(^TMP(\$J,"PSEXC","OUT",OPP)) .S Q=Q+1,ERRTY=\$S(OT="R": "RDI",OT="N": "Non-VA",OT="P": "Pending",OT="O": "Rx",1:"") .K ^UTILITY(\$J,"W") S DIWL=1,DIWR=75,DIWF="" .W ! S X=\$P(^TMP(\$J,LIST,"OUT","EXCEPTIONS",ONT,CT),"^",7) D ^DIWP .F ZX=0:0 S ZX=\$O(^UTILITY(\$J,"W",1,ZX)) Q:'ZX W !,^UTILITY(\$J,"W",1,ZX,0) .I \$D(PSODGCK)!\$D(PSSDGCK) K DIR S DIR(0)="E",DIR("A")="Press Return to Continue..." W ! D ^DIR K DIR W @IOF .S OT="Z" ^TMP(\$J,"PSEXC","OUT",OPP)=1,PSOWROTE=1 .Q:ZREA="" </pre>			

```

.K ^UTILITY($J,"W") S DIWL=1,DIWR=75,DIWF=""
.S X=" Reason: "_ZREA D ^DIWP
.F ZX=0:0 S ZX=$O(^UTILITY($J,"W",1,ZX)) Q:'ZX W !,^UTILITY($J,"W",1,ZX,0)
.K ^UTILITY($J,"W"),X,DIWL,DIWR,DIWF S PSOWROTE=1
.D:$O(^TMP($J,LIST,"OUT","EXCEPTIONS",ONT,CT)) HD^PSODDPR2() Q:$G(PSODLQT)
I $G(PSOWROTE) W !! K DIR S DIR(0)="E",DIR(" ?")="Press Return to continue",
DIR("A")="Press Return to Continue" D ^DIR S:($D(DTOUT))!($D(DUOUT)) PSODLQT
=1,PSORX("DFLG")=1 K DIR,X,Y I ($Y+5)>IOSL W @IOF
Q
NOCAN ;shows duplicate therapeutic when cancel duplicate class parameter is et to 'no'
K ^UTILITY($J,"W"),DDTH,DOCPL S DIWL=1,DIWR=78,DIWF="", (CT,SUB)=0 K TCT
,TCTP,TCTL,TCTI,ZZQ,ZHDR
F S CT=$O(^TMP($J,LIST,"OUT","THERAPY",CT)) Q:'CT F S SUB=$O(^TMP($J
,LIST,"OUT","THERAPY",CT,"DRUGS",SUB)) Q:'SUB D
.S ON=$P(^TMP($J,LIST,"OUT","THERAPY",CT,"DRUGS",SUB),"^"),PDRG=$P(^ (SUB),
"^",3),RXREC=$P(ON,";",2)
.I $G(PSODCTH(ON)) Q
.I $P(ON,";")="Z" Q
.I $P(ON,";")="N", $G(^TMP($J,"PSONVADD",RXREC,0)) Q
.I $P(ON,";")="R", $G(^TMP($J,"PSORMDD",RXREC,0)) Q
.I $P(ON,";")="O", $G(^TMP("PSORXDC", $J,RXREC,0)) Q
.I $P(ON,";")="P", $G(^TMP("PSORXDC", $J,RXREC,0)) Q
.I $P(ON,";")="O", $G(^TMP("PSORXDD", $J,RXREC,0)) Q
.I '$G(ZHDR) D HD^PSODDPR2():(($Y+5)'>IOSL) Q:$G(PSODLQT) W !,PSONULN,
!,"*** THERAPEUTIC DUPLICATION(S) *** "_PSODRUG("NAME")_" with",! S ZHDR=1
Q:'$G(ZHDR) Q:$G(PSODLQT)
N ST,STA,STAT,ORT K DOCPL
S (SUB,CT)=0 F S CT=$O(^TMP($J,LIST,"OUT","THERAPY",CT)) Q:'CT F S S
UB=$O(^TMP($J,LIST,"OUT","THERAPY",CT,"DRUGS",SUB)) Q:'SUB D DUPCL K DDTH
D DUPCP
Q
DUPCL
;
S ON=$P(^TMP($J,LIST,"OUT","THERAPY",CT,"DRUGS",SUB),"^"),PDRG=$P(^ (SUB),"^",3),
RXREC=$P(ON,";",2)
I $P(ON,";")="Z" Q
I $P(ON,";")="N", $G(^TMP($J,"PSONVADD",RXREC,0)) Q
I $P(ON,";")="R", $G(^TMP($J,"PSORMDD",RXREC,0)) Q
I $P(ON,";")="O", $G(^TMP("PSORXDC", $J,RXREC,0)) Q
I $P(ON,";")="P", $G(^TMP("PSORXDC", $J,RXREC,0)) Q
I $P(ON,";")="O", $G(^TMP("PSORXDD", $J,RXREC,0)) Q
S ORT=$S($P(ON,";")="N":4,$P(ON,";")="P":3,$P(ON,";")="R":2,1:1)
S DOCPL(ORT,ON)=""
Q
DUPCP D HD^PSODDPR2():(($Y+5)'>IOSL) S ORT=0,ON="" F S ORT=$O(DOCPL(ORT)) Q:'ORT!$G(PSODLQT)
F S ON=$O(DOCPL(ORT,ON)) Q:ON=""!$G(PSODLQT) D
.I $P(ON,";")="O" D
..D HD^PSODDPR2():(($Y+5)'>IOSL) Q:$G(PSODLQT) S ST=$P(^PSRX($P(ON,";",2),"STA"),"^")+1
..S STA="ACTIVE^NON-VERIFIED^REFILL^HOLD^NON-VERIFIED^SUSPENDED^^^^^EX
PIRED^DISCONTINUED^DISCONTINUED BY PROVIDER^DISCONTINUED EDIT^PROVIDER HOLD"
..S STAT=$P(STA,"^",ST) W !?2,"Local Rx #"_$P(^PSRX($P(ON,";",2),0),"^")_" ("_STAT_)
for "_$P(^PSDRUG($P(^PSRX($P(ON,";",2),0),"^",6),0),"^")
..I $P(ON,";")="P" D
..D HD^PSODDPR2():(($Y+5)'>IOSL) Q:$G(PSODLQT)
..S RXREC=$P(ON,";",2),DNM=$P(^PS(52.41,RXREC,0),"^",9)
..S DUPRX0=^PS(52.41,RXREC,0)
..W !?2,"Pending Order for "
..I '$P(DUPRX0,"^",9) W $P(^PS(50.7,$P(DUPRX0,"^",8),0),"^")_" "_$P(^PS
(50.606,$P(^ (0),"^",2),0),"^")
..E W $P(^PSDRUG($P(DUPRX0,"^",9),0),"^")
..I $P(ON,";")="R" N RXDAT D
..D HD^PSODDPR2():(($Y+5)'>IOSL) Q:$G(PSODLQT)
..S RXDAT=^TMP($J,LIST,"OUT","REMOTE", $P(ON,";",2))
..S RDIRX=$P(RXDAT,"^",5) D HD^PSODDPR2():(($Y+5)'>IOSL) Q:$G(PSODLQT)
W !?2,"Remote Rx #"_RDIRX_" ("_$P(RXDAT,"^",4)_") for "_$P(RXDAT,"^",3)
..I $P(ON,";")="N" D
..Q:'$D(^PS(55,PSODFN,"NVA", $P(ON,";",2),0))
..S DUPRX0=^PS(55,PSODFN,"NVA", $P(ON,";",2),0) N NVAQ
..D HD^PSODDPR2():(($Y+5)'>IOSL) Q:$G(PSODLQT)
..W !?2,"Non-VA Med for "
..I '$P(DUPRX0,"^",2) W $P(^PS(50.7,$P(DUPRX0,"^",0),0),"^")_" "_$P(^PS(5
0.606,$P(^ (0),"^",2),0),"^")

```



```

..E W $P(^PSDRUG($P(DUPRX0,"^",2),0),"^")
.S DDTH(ON)=1
D HD^PSODDPR2():(($Y+5)'>IOSL) Q:$G(PSODLQT)
D CLASSES^PSODDPR3
D HD^PSODDPR2(0,1) Q:$G(PSODLQT)
Q
REMOTE ;backdoor RDI
Q:$G(PSODLQT)
S PSORDI=0 F S PSORDI=$O(^TMP($J,LIST,"OUT","REMOTE",PSORDI)) Q:'PSORDI!$G(PSODLQT) S
RDITMP=^(PSORDI) D K PSEQUN
.I $P(RDITMP,"^",2)=" " Q
.S RDIVUID=$P(RDITMP,"^",2),RDIDNAM=$P(RDITMP,"^",3)
.I $O(PDRG(0)) F ZI=0:0 S ZI=$O(PDRG(ZI)) Q:'ZI I $P(^PSDRUG($P(PDRG(Z
I),"^"),0),"^")=RDIDNAM S INDD=+$G(INDD)+1,^TMP($J,"DD",INDD,0)=$P(PDRG(ZI),"^")
_"^"_RDIDNAM_"^^"_PSORDI_"Z;O"
.S DO=$G(DO)+1 D GETIREF^XTID(50.68,.01,RDIVUID,"PSEQUN",1) I 'PSEQUN
S ^TMP($J,LIST,"IN","PROFILE","R; "_PSORDI_" ;PROFILE;"_DO)=0_"^"_RDIVUID_"^0^"_RDIDNAM_"^^" Q
.S SEQN=" " S SEQN=$O(PSEQUN(50.68,.01,SEQN)) Q:SEQN=" "
.S P3=+SEQN,SEQN=$P($$PROD0^PSNAPIS(,P3),"^",7)
.S ^TMP($J,LIST,"IN","PROFILE","R; "_PSORDI_" ;PROFILE;"_DO)=SEQN_"^"_RDI
VUID_"^0^"_RDIDNAM_"^^"
Q
NSRT ;sort of drug interactions ; called by psoddpr2
N SV,SEV,STOP,TYP,CNT,CHK,DRG,ON,CT,ZOT,PSOVAG,PSODD,COUNT,NSRT,NSRT2 S
COUNT=0,(SV,DRG,ON,CT,PSOVAG)=" "
F S SV=$O(^TMP($J,LIST,"OUT","DRUGDRUG",SV)) Q:SV=" "!$G(PSODLQT) D Q
:$G(PSORX("DFLG"))
F S DRG=$O(^TMP($J,LIST,"OUT","DRUGDRUG",SV,DRG)) Q:DRG=" "!$G(PSODLQT) F S
ON=$O(^TMP($J,LIST,"OUT","DRUGDRUG",SV,DRG,ON)) Q:ON=" "!$G(PSODLQT) F S
CT=$O(^TMP($J,LIST,"OUT","DRUGDRUG",SV,DRG,ON,CT)) Q:'CT!$G(PSODLQT) D
.I $P(ON,";")'="Z",$P(ON,";")'="O",$P(^PSRX($P(ON,";"),2),"STA"),"^")>5,
$P(^PSRX($P(ON,";"),2),"STA"),"^")'=16 Q
.I $P(ON,";")'="Z",$P(ON,";")'="R" D RVAGEN Q
.I $P(ON,";")'="Z",$P(ON,";")'="P",$P($G(^PS(52.41,$P(ON,";"),2),0)),"^",9) S
PSORDIT=$P($G(^PS(52.41,$P(ON,";"),2),0)),"^",8) D:$G(PSORDIT) DVAGEN Q
.I $P(ON,";")'="Z",$P(ON,";")'="N",$P($G(^PS(55,PSODFN,"NVA",$P(ON,";"),2),0)),"^",2) S PSORDIT=$P($G(^PS(55,PSODFN,"NVA",$P(ON,";"),2),0)),"^",2) D:$G(PSORDIT) DVAGEN Q
.S PSODD=$O(^PSDRUG("B",DRG,0)) D:PSODD'=" " VAGEN^PSODDPR3(PSODD)
.S:PSOVAG=" " PSOVAG=DRG
.S ZOT=$S($P(ON,";")["C":1,$P(ON,";")="O":2,$P(ON,";")="R":3,$P(ON,";")="P":4,1:5)
.S ZDGDG(SV,ZOT,PSOVAG,DRG)=ON_"^"_CT
.I ZOT=1 S PSOCLNS(SV,PSOVAG,DRG,ON)=CT
.I 'SD(NSRT(SV,PSOVAG)) S NSRT(SV,PSOVAG)=ZOT
.E S $P(NSRT(SV,PSOVAG),"^",1)=$P(NSRT(SV,PSOVAG),"^",1)_"_", "_ZOT
;resort of zgdg
K ZZDGDG S (SEV,STOP,PSOVAG,TYP,ON)=" ",CNT=0
F J=1:1:5 F S SEV=$O(NSRT(SEV)) Q:SEV=" " F I=1:1:5 F S PSOVAG=$O(NSRT(SEV,PSOVAG))
Q:PSOVAG=" " D
.S TYP=" ",TYP=" ",_ $P(NSRT(SEV,PSOVAG),"^",1)_"_", "
.Q:TYP'["_", "_J_", " )
.S STOP=0 F CHK=1:1:5 I TYP["_", "_CHK_", " )&(CHK<J) S STOP=1
.Q:STOP
.S CNT=CNT+1 F I=J:1:5 S TYP=I I $D(ZDGDG(SEV,TYP)) D S2(SEV,TYP,PSOVAG,CNT)
K NSRT,J,F,ZDGDG,COUNT,CNT
Q
;print order sort
S2(SEV,TYP,PSOVAG,CNT) ;
N PSONAM S (PSONAM)=" "
F S PSONAM=$O(ZDGDG(SEV,TYP,PSOVAG,PSONAM)) Q:PSONAM=" " D
.S:$G(ZDGDG2(SEV,PSOVAG)) ZZDGDG2(SEV,PSOVAG)=ZZDGDG2(SEV,PSOVAG)+1 S:
'$G(ZDGDG2(SEV,PSOVAG)) ZZDGDG2(SEV,PSOVAG)=1
.S ZZDGDG(SEV,CNT,TYP,PSOVAG,PSONAM)=ZDGDG(SEV,TYP,PSOVAG,PSONAM)
.S ZZDGDGCK(SEV,CNT,TYP,PSOVAG,PSONAM)=ZDGDG(SEV,TYP,PSOVAG,PSONAM)
Q
;
NSRT1 ;sort out dc'd drug therapies local and remote rxs
S (SUB,CT)=0 K PSODCTH N RXN
F S CT=$O(^TMP($J,LIST,"OUT","THERAPY",CT)) Q:'CT F S SUB=$O(^TMP($J
,LIST,"OUT","THERAPY",CT,"DRUGS",SUB)) Q:'SUB D
.S ON=$P(^TMP($J,LIST,"OUT","THERAPY",CT,"DRUGS",SUB),"^")
.I $P(ON,";")'="O",$P($G(^PSRX($P(ON,";"),2),3)),"^",5) D Q

```

```

..S RXN=$P(ON,";",2),X1=$P($G(^PSRX($P(ON,";",2),3)),"^",5),X2=(+$P(^PS
RX($P(ON,";",2),0),"^",8)+7)
..D C^%DTC I X<DT S PSODCTH(ON)=1 K X,Y,X1,X2
.I $P(ON,";")="R",$P($G(^TMP($J,LIST,"OUT","REMOTE",$P(ON,";",2))),"^",4) ["DISC" D
..S RXN=$P(ON,";",2) K X,Y,X1,X2
..S X=$P(^TMP($J,LIST,"OUT","REMOTE",RXN),"^",6) D ^%DT S X1=Y,X2=(+$P(
^TMP($J,LIST,"OUT","REMOTE",RXN),"^",7)+7)
..D C^%DTC I X<DT S PSODCTH(ON)=1 K X,Y,X1,X2
Q
;
RVAGEN ;va generic for remote drugs
N PSOVUID,PSONDF,PSOVAG,DIC
S PSOVUID=$P(^TMP($J,"PSOPEPS","OUT","REMOTE",$P(ON,";",2)),"^",2) Q:'$G(PSOVUID)
K PSORDIID S PSOVAGEN="" D GETIREF^XTID("50.68",".01",PSOVUID,"PSORDIID")
S PSONDF=$O(PSORDIID(50.68,.01,"")) K PSORDIID
I +PSONDF D DATA^PSN50P68(+PSONDF,"PSONDF") S PSOVAG=$P($G(^TMP($J,"PS
ONDF",+PSONDF,.05)),U,2),ZDGDG(SV,2,PSOVAG,DRG)=ON_"^"_CT
K ^TMP($J,"PSONDF")
Q
;
DVAGEN ;va generic for non-va/pending meds
S PSI=0 N PSID,PSODD,PSOVAG
F S PSI=$O(^PSDRUG("ASP",PSORDIT,PSI)) Q:'PSI!($G(PSID)'='') I $$('$D
(^PSDRUG(PSI,"I")):1,'^("I"):1,DT'>^("I"):1,1:0),$S($P($G(^PSDRUG(PSI,2)),"^",3))["X":0,1:1) S
PSID=$P($G(^PSDRUG(PSI,0)),"^")
I PSI="" S PSI=0 F S PSI=$O(^PSDRUG("ASP",PSORDIT,PSI)) Q:'PSI!($G(PSID)'='') I
$$('$D(^PSDRUG(PSI,"I")):1,'^("I"):1,DT'>^("I"):1,1:0),$S($P($G(^PSDRUG(PSI,2)),"^",3))["O":0,1:1
) S PSID=$P($G(^PSDRUG(PSI,0)),"^")
I PSI="" S PSI=0 F S PSI=$O(^PSDRUG("ASP",PSORDIT,PSI)) Q:'PSI!($G(PSID)'='') I
$$('$D(^PSDRUG(PSI,"I")):1,'^("I"):1,DT'>^("I"):1,1:0),$S($P($G(^PSDRUG(PSI,2)),"^",3))["U":0,1:1
) S PSID=$P($G(^PSDRUG(PSI,0)),"^")
I PSI="" S PSI=0 F S PSI=$O(^PSDRUG("ASP",PSORDIT,PSI)) Q:'PSI!($G(PSID)'='') I
$$('$D(^PSDRUG(PSI,"I")):1,'^("I"):1,DT'>^("I"):1,1:0),$S($P($G(^PSDRUG(PSI,2)),"^",3))["I":0,1:1
) S PSID=$P($G(^PSDRUG(PSI,0)),"^")
I PSI="" S PSI=0 F S PSI=$O(^PSDRUG("ASP",PSORDIT,PSI)) Q:'PSI!($G(PSID)'='') I
$$('$D(^PSDRUG(PSI,"I")):1,'^("I"):1,DT'>^("I"):1,1:0),$S($L($P($G(^PSDRUG(PSI,2)),"^",3)):0,1:1
) S PSID=$P($G(^PSDRUG(PSI,0)),"^")
I PSI="" S PSI=0 F S PSI=$O(^PSDRUG("ASP",PSORDIT,PSI)) Q:'PSI!($G(PSID)'='') I
$$('$D(^PSDRUG(PSI,"I")):1,'^("I"):1,DT'>^("I"):1,1:0),$S($L($P($G(^PSDRUG(PSI,2)),"^",3)):0,1:1
) S PSID=$P($G(^PSDRUG(PSI,0)),"^")
Q:$G(PSID)]""
S PSODD=$O(^PSDRUG("B",PSID,0)) D VAGEN^PSODDPR3(PSODD)
Q:$G(PSOVAG)]""
S ZOT=$S($P(ON,";")="O":1,$P(ON,";")="R":2,$P(ON,";")="P":3,1:4),ZDGDG(
SV,ZOT,PSOVAG,DRG)=ON_"^"_CT,COUNT=COUNT+1
K PSI,PSID,PSORDIT,PSODD,PSOVAG
Q
;
INT
;
I $G(PSOVORD),$P(PSOINTV,"^")=1 D Q
.K DIR,DTOUT,DIRUT,DIROUT,DUOUT
.W ! S DIR(0)="SA^1:YES;0:NO",DIR("A")="Do you want to Continue? ",DIR("B")="Y" D ^DIR
S:($D(DTOUT))!($D(DUOUT))!($G(DIRUT)) PSODLQT=1,PSORX("DFLG")=1 Q:$G(PSODLQT)
.K DIR,DTOUT,DIRUT,DIROUT,DUOUT
.I 'Y S PSORX("DFLG")=1 Q
.S DA=PSONV,RXREC=DA,RX=$G(^PSRX(RXREC,0)),PSORX("INTERVENE")=1
.D:'$D(PSODGCK) CRI^PSODGDG1
.I $G(OLDDA) S DA=OLDDA K OLDDA
Q:$G(PSODLQT)!($G(PSORX("DFLG")))
I '$D(PSODGCK),$P(PSOINTV,"^") S IT=$P(PSOINTV,"^"),ON=$P(PSOINTV,"^",2) D ^PSODGDGP K
DIR S IT=$P(PSOINTV,"^")
Q
;
DGCK ;CK - Drug check option at patient profile
I '$D(PSOSD) D FULL^VALM1 W !,"Not enough drugs found in profile!",! K
DIR S DIR("A")="Press Return to continue",DIR(0)="E",DIR("?")="Press Return to continue" D ^DIR
K DIR G DGCKQ
S PSODGCK=1
D FULL^VALM1
D PSOCK^PSOUTL
K DIR S DIR(0)="E",DIR("A")="Press Return to Continue..." W ! D ^DIR K

```

```

DIR W @IOF,!
      D SELECT
      I $G(PSONEW("DFLG"))=1! '$D(PSOSD) W ! G DGCKQ
      D SET^PSODRG
DGCKNP D POST^PSODRG
DGCKQ  S VALMBCK="R"
      K PSODGCK,PSODGCKX,MON,PSONEW("DFLG"),PSORX("DFLG"),PSOENID,PSOGCNPT,PSOGCNID,
PSONDFID,DGCKDUPF
      Q
      ;
GCN(PSOENID) ;Return 0 for not matched, 1 for matched with no GCNSEQNO, 1^1 for matched with a
GCNSEQNO
      N PSONDFID,PSOGCNPT,PSOGCNID
      S PSONDFID=$P($G(^PSDRUG(PSOENID,"ND")),",^"),PSOGCNPT=$P($G(^PSDRUG(PS
OENID,"ND")),",^"),3)
      I 'PSONDFID!('PSOGCNPT) Q 0
      S PSOGCNID=$$PROD0^PSNAPIS(PSONDFID,PSOGCNPT)
      I $P(PSOGCNID,"^",7) Q PSOENID_"_"PSONDFID_"_"$P(PSOGCNID,"^",7)
      Q PSOENID_"_"PSONDFID
      ;
PKGFLG(PKF1) ;Return 0 for not in range of acceptable package flags, 1 for within range
      I $$S(PKF1["O":1,1:0]) Q 1
      I $$S(PKF1["X":1,1:0]) Q 1
      Q 0
      ;
SELECT ;
      N PSODGCKD S PSODGCKD=0 K:'$G(PSORXED) CLOZPAT
      K IT,DIC,X,Y,PSODRUG("TRADE NAME"),PSODRUG("NDC"),PSODRUG("DAW"),PSODRUG("BAD")
S:$G(POERR)&($P($G(OR0),"^",9)) Y=$P(^PSDRUG($P(OR0,"^",9),0),"^")
      I $G(PSODRUG("IEN"))]]", '$D(PSODGCK) S Y=PSODRUG("NAME"),PSONEW("OLD VAL")=PSODRUG("IEN")
      W !,"DRUG: " R X:$S($D(DTIME):DTIME,1:300) I '$T S DTOUT=1
      I PSODGCK,X="" ,PSOSD<2 W !,"Not enough drugs found in profile!",! K DIR S
DIR("A")="Press Return to continue",DIR(0)="E",DIR("?")="Press Return to continue" D ^DIR K DIR S
PSONEW("DFLG")=1 G SELECTX
      S:X="" PSODGCKX=1
      I X="", $G(Y)]"" S:Y X=Y S:'X X=$G(PSODRUG("IEN")) S:X X="`" _X
      I X="", $D(PSOSD) S X=$O(PSOSD($O(PSOSD("")),"")) ,PSODGCKD=1
      I X="", '$D(PSOSD) D Q
      .W !,"Now Processing Enhanced Order Checks! Please wait..." H 1
      .W !,"No Order Check Warnings Found",! K DIR S DIR("A")="Press Return to
continue",DIR(0)="E",DIR("?")="Press Return to continue" D ^DIR K DIR
      I X?1."?" W !,"Answer with DRUG NUMBER, or GENERIC NAME, or VA PRODUCT NAME,
or",!, "NATIONAL DRUG CLASS, or SYNONYM" G SELECT
      I $G(PSORXED),X["^" S PSORXED("DFLG")=1 G SELECTX
      I X="^"! (X["^"]!($D(DTOUT)) S PSONEW("DFLG")=1 G SELECTX
      I '$G(POERR),X[U,$L(X)>1 S PSODIR("FLD")=PSONEW("FLD") D JUMP^PSODIR1 S
:$G(PSODIR("FIELD")) PSONEW("FIELD")=PSODIR("FIELD") K PSODIR S PSODRG("QFLG")=1
G SELECTX
      S DIC=50,DIC(0)="MZV",D="B^C^VAPN^VAC"
      I 'PSODGCKD S DIC=50,DIC(0)="EMQZVT",DIC("T")="",D="B^C^VAPN^VAC"
      S DIC("S")="I $S('$D(^PSDRUG(+Y,""I")):1,'^("I"):1,DT'^^("I"):1,1:
0),$G(CN^PSODDPR5(+Y),$PKGFLG^PSODDPR5($P($G(^PSDRUG(+Y,2)),"^",3)),$D(^PSDRU
G("ASP",+$G(^2),+Y))"
      D MIX^DIC1 K DIC,PKF1,D
      I $$PSOSUPCK^PSOUTL(+Y) G SELECT
      S (DGCKSTA,DGCKDNM)=" "
      I '$D(PSODGCKX),$D(PSOSD) F S DGCKSTA=$O(PSOSD(DGCKSTA)) Q:DGCKSTA=""!
$G(DGCKDUPF) F S DGCKDNM=$O(PSOSD(DGCKSTA,DGCKDNM)) Q:DGCKDNM=""!$G(DGCKDUPF)
      D
      .I DGCKDNM=$G(Y(0,0)) D
      ..S DGCKDUPF=1 W !,"Duplicate Drug in Patient profile, please select a different
drug:",!
      ..K DIR S DIR(0)="E",DIR("A")="Press Return to Continue..." D ^DIR K DIR W @IOF
      I $D(DGCKDUPF) K DGCKDUPF,PSODGCKX G SELECT
      I '$D(PSOSD) D Q
      .W !,"Now Processing Enhanced Order Checks! Please wait..." H 1
      .W !,"No Order Check Warnings Found",! K DIR S DIR("A")="Press Return to
continue",DIR(0)="E",DIR("?")="Press Return to continue" D ^DIR K DIR
      I $D(DTOUT) S PSONEW("DFLG")=1 G SELECTX
      I $D(DUOUT) K DUOUT G SELECT
      I Y<0 G SELECT

```

<pre> S:\$G(PSONEW("OLD VAL"))=+Y&(''\$G(PSOEDIT)) PSODRG("QFLG")=1 K PSOY S PSOY=Y,PSOY(0)=Y(0) I \$P(PSOY(0),"^")="OTHER DRUG"!(\$P(PSOY(0),"^")="OUTSIDE DRUG") D TRADE ^PSODRG SELECTX K X,Y,DTOUT,DUOUT,PSONEW("OLD VAL"),PSODGCKD,DGCKDNM,DGCKSTA Q ; </pre>
Modified Logic (Changes are in bold)

6.2.12.1.2.16 PSODDPR7

Routine Name	PSODDPR7		
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change		
Requirement Traceability Matrix	CR1006		
Related Options	Patient Prescription Processing [PSO LM BACKDOOR ORDERS] Complete Orders from OERR [PSO LMOE FINISH] View Prescriptions [PSO VIEW] Edit Prescriptions [PSO RXEDIT]		
Related Routines	Routines “Called By”	Routines “Called”	
	PSODDPR2, PSODDPR8	PSJ53P1, PSJBLDOC, PSODDPR1, PSODDPR2, PSODDPR3, PSS55	
Data Dictionary (DD) References	N/A		
Related Protocols	N/A		
Related Integration Control Registrations (ICRs)	;External reference to IN^PSJBLDOC supported by DBIA 5306		
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local		
Input Attribute Name and Definition	Name: Definition:		
Output Attribute Name and Definition	Name: Definition:		
Current Logic			
PSODDPR7 ; BIR/OG ; Enhanced order checks - IMO Utilities ;12/6/11 ;;7.0;OUTPATIENT PHARMACY;**390**; ;External reference to IN^PSJBLDOC supported by DBIA 5306 ; ; Required to be present: ; DFN: patient internal entry number ; DRG - dispensed drug name ; SV - Severity ; ZVA - VA Generic Name ; ON: Order identifier = first ";" piece: I1 - IV order. I2 - UD order; second ";" piece: order id; example: ON="C2;4;PROFILE;5" ; Q:\$E(\$P(ON,";"))'["C" N DRGNAME,STATUS,STARTDT,STOPDT,SCHEDULE,ORDID,DOSAGE,FILENODE,ADD,SOL, ADDNAM,SOLNAM,BOTTLE,STRENGTH,AFLG,ADDS,SOLUTION,VOLUME,IVDATA,SORT,INFUSE,SFLG, PSOCON,PSOCLINI,SORT2,PSOCLIN N PSOCDRG,DRGDRG,STARTDTF,STOPDTF,ORDDATE S SORT="PSOPEPS CLINIC"			

```

S (PSOCDRG,PSOCON,STATUS)=" "
Q:'$D(PSOCLNS(SV,ZVA))
;sort by status within drug name
F S PSOCDRG=$O(PSOCLNS(SV,ZVA,PSOCDRG)) Q:PSOCDRG=" " I DRG=PSOCDRG F S
PSOCON=$O(PSOCLNS(SV,ZVA,PSOCDRG,PSOCON)) Q:PSOCON=" " D
.S (ORDID,PSOCLINI,FILENODE)=" ",DRGDRG=1,ORDID=$P(PSOCON,";",2),PSOCLIN
I=$P(^TMP($J,"PSOPEPS","IN","PROFILE",PSOCON),"^",7),FILENODE=$P(PSOCLINI,";")
.I FILENODE=1 D PSS436^PSS55(PSODFN,ORDID,SORT) S:$D(^TMP($J,SORT,ORDID,100))
STATUS=$P(^TMP($J,SORT,ORDID,100),"^",2)
.I FILENODE=2 D PSS431^PSS55(PSODFN,ORDID,"","",SORT) S:$D(^TMP($J,SORT,ORDID,28))
STATUS=$P(^TMP($J,SORT,ORDID,28),"^",2)
.I FILENODE=3!(FILENODE=4)!(FILENODE=5) D PSJ^PSJ53P1(ORDID,SORT) S:$D(
^TMP($J,SORT,ORDID,28)) STATUS=$P(^TMP($J,SORT,ORDID,28),"^",2)
.I STATUS=" " S STATUS="Z"
.S PSOCLIN(SV,ZVA,$S(STATUS["ACTIVE":1,STATUS["NON-VERIFIED":2,STATUS["
DISCONTINUED":3,STATUS["EXPIRE":4,1:5],PSOCON)=PSOCDRG
Q:'$D(PSOCLIN(SV,ZVA))
S (SORT2,ORDID,PSOCLINI,FILENODE,PSOCON)=" "
K ^TMP($J,SORT)
F S SORT2=$O(PSOCLIN(SV,ZVA,SORT2)) Q:SORT2=" " F S PSOCON=$O(PSOCLIN
(SV,ZVA,SORT2,PSOCON)) Q:PSOCON=" " D CLINIC
Q
;
;Required: ZCT = Order identifier = first ";" piece: I1 - IV order. I2 - UD order;
second ";" piece: order id; example: ON="C2;4;PROFILE;5"
Q:ZCT=" "
N DRGNAME,STATUS,STARTDT,STOPDT,SCHEDULE,ORDID,DOSAGE,FILENODE,ADD,SOL,
ADDNAM,SOLNAM,BOTTLE,STRENGTH,AFLG,ADDS,SOLUTION,VOLUME,IVDATA,SORT,INFUSE,SFLG,
PSOCON
N PSOCLINI,SORT2,PSOCLIN,DRGDRG,STARTDTF,STOPDTF,ORDDATE
S SORT="PSOPEPS CLINIC",DRGDRG=0
S PSOCON=$P(ZCT,"^",3),DRGNAME=$P(ZCT,"^",2) D CLINIC
Q
;
CLINIC
;
K ^TMP($J,SORT)
S (ORDID,PSOCLINI,FILENODE)=" ",ORDID=$P(PSOCON,";",2),PSOCLINI=$P(^TMP(
$J,"PSOPEPS","IN","PROFILE",PSOCON),"^",7)
Q:'PSOCLINI
S FILENODE=$P(PSOCLINI,";") I DRGDRG S DRGNAME=PSOCLIN(SV,ZVA,SORT2,PSOCON) I
DRGNAME'=" " S DRGDRG=0
S (STATUS,SCHEDULE,DOSAGE,STARTDT,STOPDT,INFUSE,STARTDTF,STOPDTF,ORDDATE)=" "
D GETDATA
K ^TMP($J,SORT)
W !
Q
;
GETDATA
I FILENODE=1 D PSS436^PSS55(PSODFN,ORDID,SORT) D Q ;IV for file 55
.I DRGDRG S DRGNAME=$P(^TMP($J,"PSOPEPS","IN","PROFILE",PSOCON),"^",4)
.I $D(^TMP($J,SORT,ORDID,100)) S STATUS=$P(^TMP($J,SORT,ORDID,100),"^",2)
.I $D(^TMP($J,SORT,ORDID,.09)) S SCHEDULE=^TMP($J,SORT,ORDID,.09)
.I $D(^TMP($J,SORT,ORDID,109)) S DOSAGE=^TMP($J,SORT,6,109)
.I $D(^TMP($J,SORT,ORDID,.02)) S STARTDT=$P(^TMP($J,SORT,ORDID,.02),"^",2)
.I STARTDT=" " S:$D(^TMP($J,SORT,ORDID,115)) STARTDT=$D(^TMP($J,SORT,ORDID,115))
S:STARTDT'=" " STARTDTF=1
.I $D(^TMP($J,SORT,ORDID,.03)) S STOPDT=$P(^TMP($J,SORT,ORDID,.03),"^",2)
S:$D(^TMP($J,SORT,ORDID,27)) ORDDATE=^TMP($J,SORT,ORDID,27)
.I STOPDT=" " S:$D(^TMP($J,SORT,ORDID,117)) STARTDT=$D(^TMP($J,SORT,ORDID,117))
S:STOPDT'=" " STOPDTF=1
.I $D(^TMP($J,SORT,ORDID,.08)) S INFUSE=^TMP($J,SORT,ORDID,.08)
D WRITE
;
I FILENODE=2 D PSS431^PSS55(PSODFN,ORDID,"","",SORT) D Q ;Unit dose for file 55
.I DRGDRG S DRGNAME=$P(^TMP($J,"PSOPEPS","IN","PROFILE",PSOCON),"^",4)
.I $D(^TMP($J,SORT,ORDID,28)) S STATUS=$P(^TMP($J,SORT,ORDID,28),"^",2)
.I $D(^TMP($J,SORT,ORDID,26)) S SCHEDULE=^TMP($J,SORT,ORDID,26)
.I $D(^TMP($J,SORT,ORDID,109)) S DOSAGE=^TMP($J,SORT,ORDID,109)
.I $D(^TMP($J,SORT,ORDID,10)) S STARTDT=$P(^TMP($J,SORT,ORDID,10),"^",2)
.I $D(^TMP($J,SORT,ORDID,34)) S STOPDT=$P(^TMP($J,SORT,ORDID,34),"^",2)
.I $D(^TMP($J,SORT,ORDID,.08)) S INFUSE=^TMP($J,SORT,ORDID,.08)
D WRITE

```

```

;
I FILENODE=3!(FILENODE=4)!(FILENODE=5) D Q ;unit dose for file 53.1
.D PSJ^PSJ53P1(ORDID,SORT)
.I DRGDRG,$D(^TMP($J,SORT,ORDID,108)) S DRGNAME=$P(^TMP($J,SORT,ORDID,108),"^",2)
.I $D(^TMP($J,SORT,ORDID,28)) S STATUS=$P(^TMP($J,SORT,ORDID,28),"^",2)
.I $D(^TMP($J,SORT,ORDID,26)) S SCHEDULE=$P(^TMP($J,SORT,ORDID,26),"^",2)
.I $D(^TMP($J,SORT,ORDID,27)) S ORDDATE=^TMP($J,SORT,ORDID,27) S Y=ORDDATE D DD^%DT S
ORDDATE=Y
.I $D(^TMP($J,SORT,ORDID,109)) S DOSAGE=^TMP($J,SORT,ORDID,109)
.I $D(^TMP($J,SORT,ORDID,10)) S STARTDT=$P(^TMP($J,SORT,ORDID,10),"^",2)
.I STARTDT="" $D(^TMP($J,SORT,ORDID,115)) S STARTDT=$P(^TMP($J,SORT,ORDID,115),"^",2)
S:STARTDT="" STARTDTF=1
.I $D(^TMP($J,SORT,ORDID,25)) S STOPDT=$P(^TMP($J,SORT,ORDID,25),"^",2)
.I $D(^TMP($J,SORT,ORDID,117))&(STOPDT="") S STOPDT=$P(^TMP($J,SORT,ORDID,117),"^",2)
S:STOPDT="" STOPDTF=1
.I $D(^TMP($J,SORT,ORDID,116)) S DURATION=^TMP($J,SORT,ORDID,116)
.D WRITE
Q
;
WRITE
;
D HD^PSODDPR2() Q:$G(PSODLQT)
S:$G(PSODUPF) PSODUPC(ZCT)=PSODUPC(ZCT)+1 W:'$G(PSODUPF) !,$J("Clinic Order:
",23)_DRGNAME_" ("_STATUS_" )
I $D(^TMP($J,SORT,ORDID,"ADD")) D:FILENODE=1 IV55 D:FILENODE=3 IV531
I SCHEDULE="" S:$G(PSODUPF) PSODUPC(ZCT)=PSODUPC(ZCT)+1 W:'$G(PSODUPF)
!,$J("Schedule: ",23),SCHEDULE
I DOSAGE="" S:$G(PSODUPF) PSODUPC(ZCT)=PSODUPC(ZCT)+1 W:'$G(PSODUPF) !
,$J("Dosage: ",23),DOSAGE
I STARTDT=""&(ORDDATE="") S:$G(PSODUPF) PSODUPC(ZCT)=PSODUPC(ZCT)+1 W:'$G(PSODUPF)
!,$J("Order Date: ",23),ORDDATE
I STARTDT="" S:$G(PSODUPF) PSODUPC(ZCT)=PSODUPC(ZCT)+1 W:'$G(PSODUPF)
!,$J($S($G(STARTDTF):"Requested Start Date: ",1:"Start Date: "),23),STARTDT
E S:$G(PSODUPF) PSODUPC(ZCT)=PSODUPC(ZCT)+1 W:'$G(PSODUPF) !,$J("Start Date:
",23),"*****"
I STOPDT="" S:$G(PSODUPF) PSODUPC(ZCT)=PSODUPC(ZCT)+1 W:'$G(PSODUPF) !
,$J($S($G(STOPDTF):"Requested Stop Date: ",1:"Stop Date: "),23),STOPDT
E S:$G(PSODUPF) PSODUPC(ZCT)=PSODUPC(ZCT)+1 W:'$G(PSODUPF) !,$J("Stop Date:
",23),"*****"
WRITE2
;
I '$G(PSODUPF) D HD^PSODDPR2():(($Y+5)>IOSL)
Q
;
IMO(DFN) ;Inpatient Meds ordered in outpatient pharmacy (IMO) - determine IMO drugs to be added
to the profile drugs submitted to FDB.
; In: DFN - Patient IED
; Output: ^TMP( file of inpatient meds drugs; example of each type of order:
; ^TMP(540771229,"PSOPEPS","IN","PROFILE","C2;6;PROFILE
;6")="16579^4010153^65^SIMVASTATIN 40MG TAB^10711^I"
; ^TMP(540771229,"PSOPEPS","IN","PROFILE","C4;1597;PROFILE;
7")="11664^4006819^1848^CIMETIDINE 300MG/5ML SOL (OZ)^10746^I"
;
; The first piece of the 5th subscript denotes the type of order (ex: C2
and C4 in the example above).
; When adding clinic orders, this piece is always "C" concatenated with an
number 1-4 where 1 means UD file 55, 2 means IV file 55, 3 means UD file 53.1 or 4 means IV for
file 53.1.
; For clinic orders, the 2nd piece of the 5th subscript is the subfile
IEN.
;
D IN^PSJBLODOC(DFN,LIST,.PDRG,"O;")
Q
;
IV55
;
I '$G(PSODUPF) D HD^PSODDPR2() Q:$G(PSODLQT)
S (ADD,SOL,AFLG)=0
;W:'$G(AFLG) !,$J("Other Additives: ",23)
F S ADD=$O(^TMP($J,SORT,ORDID,"ADD",ADD)) Q:ADD="" D
.I $D(^TMP($J,SORT,ORDID,"ADD",ADD,.01)) S ADDNAM=$P(^TMP($J,SORT,ORDID,"ADD",ADD,.01),
"^",2)
.Q:DRGNAME[ (ADDNAM_" ^TMP($J,SORT,ORDID,"ADD",ADD,.02))
.S (BOTTLE,STRENGTH)="

```

IV531	<pre> .I \$D(^TMP(\$J,SORT,ORDID,"ADD",ADD,.03)) S BOTTLE=^TMP(\$J,SORT,ORDID,"ADD",ADD,.03) .I \$D(^TMP(\$J,SORT,ORDID,"ADD",ADD,.02)) S STRENGTH=^TMP(\$J,SORT,ORDID,"ADD",ADD,.02) .I '\$G(AFLG) S ADDS=ADDNAM_" "_STRENGTH S:BOTTLE'="" ADDS=ADDS_" ("_BOTTLE_)" .I '\$G(AFLG) S ADDS=ADDS_" "_ADDNAM_" "_STRENGTH S:BOTTLE'="" ADDS=ADDS_" ("_BOTTLE_)" .S:'\$G(AFLG) AFLG=1 S:\$G(PSODUPF) PSODUPC(ZCT)=PSODUPC(ZCT)+1 I '\$G(PSODUPF) D HD^PSODDPR2() Q:\$G(PSODLQT) I '\$G(AFLG),'\$G(PSODUPF) W !,\$J("Other Additives: ",23) D MYWRITE(ADDS,23,78) F S SOL=\$O(^TMP(\$J,SORT,ORDID,"SOL",SOL)) Q:SOL="" D .S (SOLUTION,VOLUME)="" .I \$D(^TMP(\$J,SORT,ORDID,"SOL",SOL,.01)) S SOLUTION=\$P(^TMP(\$J,SORT,ORD ID,"SOL",SOL,.01),"^",2) .I \$D(^TMP(\$J,SORT,ORDID,"SOL",SOL,1)) S VOLUME=^TMP(\$J,SORT,ORDID,"SOL",SOL,1) .I '\$G(PSODUPF) D HD^PSODDPR2() Q:\$G(PSODLQT) .W:'\$G(SFLG)&'\$G(PSODUPF) !,\$J("Solution(s): ",23)_SOLUTION_" "_VOLUME_" "_INFUSE .S:\$G(PSODUPF) PSODUPC(ZCT)=PSODUPC(ZCT)+1 .I '\$G(SFLG),'\$G(PSODUPF) W !?23,SOLUTION_" "_VOLUME_" "_INFUSE .S:\$G(PSODUPF) PSODUPC(ZCT)=PSODUPC(ZCT)+1 .S SFLG=1 Q ; I '\$G(PSODUPF) D HD^PSODDPR2() Q:\$G(PSODLQT) S (ADD,SOL,AFLG,SFLG)=0 F S ADD=\$O(^TMP(\$J,SORT,ORDID,"ADD",ADD)) Q:ADD="" D .S (BOTTLE,STRENGTH,IVDATA)="" ,IVDATA=^TMP(\$J,SORT,ORDID,"ADD",ADD) .S BOTTLE=\$P(IVDATA,"^",3),STRENGTH=\$P(IVDATA,"^",2),ADDNAM=\$P(IVDATA,"^") .I \$D(^TMP(\$J,SORT,ORDID,"ADD",ADD+1)) Q:DRGNAME[(ADDNAM_" "_STRENGTH) .I '\$G(AFLG) S ADDS=ADDNAM_" "_STRENGTH S:BOTTLE'="" ADDS=ADDS_" ("_BOTTLE_)" .I '\$G(AFLG) S ADDS=ADDS_" "_ADDNAM_" "_STRENGTH S:BOTTLE'="" ADDS=ADDS_" ("_BOTTLE_)" .S:'\$G(AFLG) AFLG=1 S:\$G(PSODUPF) PSODUPC(ZCT)=PSODUPC(ZCT)+1 I '\$G(PSODUPF) D HD^PSODDPR2() Q:\$G(PSODLQT) I '\$G(AFLG),'\$G(PSODUPF) W !,\$J("Other Additives: ",23) D MYWRITE(ADDS,23,78) F S SOL=\$O(^TMP(\$J,SORT,ORDID,"SOL",SOL)) Q:SOL="" D .S (SOLUTION,VOLUME)="" .S (SOLUTION,VOLUME,IVDATA)="" ,IVDATA=^TMP(\$J,SORT,ORDID,"SOL",SOL) .S VOLUME=\$P(IVDATA,"^",2),SOLUTION=\$P(IVDATA,"^") .S:\$G(PSODUPF) PSODUPC(ZCT)=PSODUPC(ZCT)+1 .W:'\$G(SFLG)&'\$G(PSODUPF) !,\$J("Solution(s): ",23)_SOLUTION_" "_VOLUME_" "_INFUSE .I '\$G(SFLG),'\$G(PSODUPF) W !?23,SOLUTION_" "_VOLUME_" "_INFUSE .S:\$G(PSODUPF) PSODUPC(ZCT)=PSODUPC(ZCT)+1 .S SFLG=1 I '\$G(PSODUPF) D HD^PSODDPR2() Q:\$G(PSODLQT) Q ; MYWRITE(X,DIWL,DIWR) ;Continue writing on the same line NEW DN,PSOCNT I '\$G(DIWL) S DIWL=1 I '\$G(DIWR) S DIWR=75 K ^UTILITY(\$J,"W") D ^DIWP F PSOCNT=0:0 S PSOCNT=\$O(^UTILITY(\$J,"W",DIWL,PSOCNT)) Q:'PSOCNT W:PSO CNT'=1 ! W ?DIWL,^UTILITY(\$J,"W",DIWL,PSOCNT,0) Q </pre>
Modified Logic (Changes are in bold)	

6.2.12.1.2.17 PSODDPR8

Routine Name	PSODDPR8
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change
Requirement Traceability Matrix	CR1006

Related Options	Patient Prescription Processing [PSO LM BACKDOOR ORDERS] Complete Orders from OERR [PSO LMOE FINISH] View Prescriptions [PSO VIEW] Edit Prescriptions [PSO RXEDIT]	
Related Routines	Routines “Called By”	Routines “Called”
	PSODDPR2	PSJORUT, PSNAPIS, PSODDPR1, PSODDPR3, PSODDPR7, PSODDPRE, PSOORDRG, PSOUTLA, PSSDSAPI
Data Dictionary (DD) References	^PS(50.7, ^PS(50.606,^PSDRUG	
Related Protocols	N/A	
Related Integration Control Registrations (ICRs)	;External reference to ^PS(50.7 supported by DBIA 2223 ;External reference to ^PS(50.606 supported by DBIA 2174 ;External reference to ^PSDRUG(supported by DBIA 221	
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	Name: Definition:	
Output Attribute Name and Definition	Name: Definition:	
Current Logic		
PSODDPR8 ;BIR/SAB - display enhanced order checks ;11 May 2010 9:06 AM ; ;7.0;OUTPATIENT PHARMACY;**390**;DEC 1997;Build 86 ;External reference to ^PS(50.7 supported by DBIA 2223 ;External reference to ^PS(50.606 supported by DBIA 2174 ;External reference to ^PSDRUG(supported by DBIA 221 DUP ;display drug interaction, clinical effects, and call to display monograph Q:\$G(PSODLQT) S ZZDGDGC=ZZDGDGC+1,ON=\$P(ZZDGDG(SV,ZST,ZORS,ZVA,DRG),"^"),CT=\$P(ZZDGDG (SV,ZST,ZORS,ZVA,DRG),"^",2),SEV=\$G(^TMP(\$J,LIST,"OUT","DRUGDRUG",SV,DRG,ON,CT,"SEV")) K ISTX S IT=\$S(SEV="Critical":1,SEV="Significant":2,1:0),PDRG=\$P(^TMP(\$J,LIST, "OUT","DRUGDRUG",SV,DRG,ON,CT),"^",4),DRGI=\$P(^CT),"^",2) D HD() Q:\$G(PSODLQT) I \$G(ZHDR) W @IOF,PERSONULN,!,"****_SEV_**** Drug Interaction with Prospective Drug:",!?20,PDRG_" and",! S ZHDR=0 E W ! I \$P(ON,";")["C" D ^PSODDPR7 I \$P(ON,";")="N" D ^PSODDPR3 D HD():((\$Y+5)>IOSL) Q:\$G(PSODLQT) I \$P(ON,";")="P" D PEND D HD():((\$Y+5)>IOSL) Q:\$G(PSODLQT) I \$P(ON,";")="O" D DDRX D HD():((\$Y+5)>IOSL) Q:\$G(PSODLQT) I \$P(ON,";")="Z" D DDRX1 D HD():((\$Y+5)>IOSL) Q:\$G(PSODLQT) I \$P(ON,";")="R" D RDI^PSODDPR3 D HD():((\$Y+5)>IOSL) Q:\$G(PSODLQT) I '+\$G(PSOINTV),IT=2 S PSOINTV=2_"^"_ON I IT=1 S PSOINTV=1_"^"_ON D HD():((\$Y+5)>IOSL) Q:\$G(PSODLQT) I COUNT=ZZDGDG2(SV,ZVA) S COUNT=0 W ! D CL D HD():((\$Y+5)'>IOSL) Q ; PEND N DUPRX0,RFLS,ISSD,DNM,RXREC,Y D HD() Q:\$G(PSODLQT) S RXREC=\$P(ON,";",2),DNM=\$P(^PS(52.41,RXREC,0),"^",9) S DUPRX0=^PS(52.41,RXREC,0),RFLS=\$P(DUPRX0,"^",11),ISSD=\$P(DUPRX0,"^",6) I '\$P(DUPRX0,"^",9) D HD() Q:\$G(PSODLQT) S:\$G(PSODUPF) PSODUPC(ZCT)=PS ODUPC(ZCT)+1 W:'\$G(PSODUPF) !,\$J("Pending Order: ",20)_\$P(^PS(50.7,\$P(DUPRX0,"^" ,8),0),"^")_" "\$P(^PS(50.606,\$P(^0),"^",2),0),"^") E S:\$G(PSODUPF) PSODUPC(ZCT)=PSODUPC(ZCT)+1 W:'\$G(PSODUPF) !,\$J("Pending Drug: ",20) \$\$(\$P(DUPRX0,"^",9):\$P(^PSDRUG(\$P(DUPRX0,"^",9),0),"^"),1:"No Dispense Drug Selected")		


```

D FSIG^PSOUTLA("P",RXREC,50)
S:$G(PSODUPF) PSODUPC(ZCT)=PSODUPC(ZCT)+1 W:'$G(PSODUPF) !,$J("SIG: ",20) F I=0:0 S
I=$O(FSIG(I)) Q:'I W:'$G(PSODUPF) FSIG(I) I $O(FSIG(I)) S:$G(PSODUPF)
PSODUPC(ZCT)=PSODUPC(ZCT)+1 W:'$G(PSODUPF) !,$J(" ",20)
Q
;
DDRX
;
S RXREC=$P(ON,";",2),DUPRX0=^PSRX(RXREC,0),RFLS=$P(DUPRX0,"^",9),ISSD=$
P(^PSRX(RXREC,0),"^",13),RX0=DUPRX0,RX2=^PSRX(RXREC,2),($P(RX0,"^",15),STATUS)=+
$G(^PSRX(RXREC,"STA"))
S J=RXREC D STAT^PSOFUNC K RX0,RX2,LSTFD S RXRECLOC=$G(RXREC),DRGNM=$P(
^PSDRUG($P(DUPRX0,"^",6),0),"^")
D HD() Q:$G(PSODLQT) S:$G(PSODUPF) PSODUPC(ZCT)=PSODUPC(ZCT)+1 W:'$G(P
SODUPF) !,$J("Local RX#: ",20)_P(DUPRX0,"^"),!,$J("Drug: ",20)_DRGNM_ ("_ST_")
K FSIG,BSIG I $P($G(^PSRX(RXREC,"SIG")), "^",2) D FSIG^PSOUTLA("R",RXREC,50) F PSREV=1:1
Q:'$D(FSIG(PSREV)) S BSIG(PSREV)=FSIG(PSREV)
K FSIG,PSREV I '$P($G(^PSRX(RXREC,"SIG")), "^",2) D EN2^PSOUTLA1(RXREC,50)
D HD() Q:$G(PSODLQT) S:$G(PSODUPF) PSODUPC(ZCT)=PSODUPC(ZCT)+1 W:'$G(PSODUPF)
!,$J("SIG: ",20),$G(BSIG(1))
I $O(BSIG(1)) F PSREV=1:0 S PSREV=$O(BSIG(PSREV)) Q:'PSREV S:$G(PSODUPF)
PSODUPC(ZCT)=PSODUPC(ZCT)+1 W:'$G(PSODUPF) !,$J(" ",20)_G(BSIG(PSREV))
K BSIG,PSREV
I $G(QTHER) D HD() Q:$G(PSODLQT) S:$G(PSODUPF) PSODUPC(ZCT)=PSODUPC(ZC
T)+1 W:'$G(PSODUPF) !,$J("QTY: ",20)_P(DUPRX0,"^",7),?44,$J("Days Supply: ",20)_P(DUPRX0,"^",8)
D PRSTAT^PSODDPR(RXREC) S LSTFD=+^PSRX(RXREC,3) S:$G(PSODUPF) PSODUPC(
ZCT)=PSODUPC(ZCT)+1 W:'$G(PSODUPF) !,$J("Last Filled On: ",20)_E(LSTFD,4,5)_"/"
_E(LSTFD,6,7)_"/_E(LSTFD,2,3)
Q
;
DDR1
;
W:SV="C" !,$J("Drug: ",21)_S($D(PSSDIUTL):PDRG,1:DRG)
W:SV="S" !,$J("Drug: ",24)_S($D(PSSDIUTL):PDRG,1:DRG)
Q
;
CL
Q:$G(PSODLQT) N CLI,LT,STX,I,BSIG S ZHDR=1
D HD():(($Y+5)>IOSL) Q:$G(PSODLQT)
I IT=2 W !?2,"*** Refer to MONOGRAPH for SIGNIFICANT INTERACTION CLINICAL EFFECTS",!
I IT=1 W ! D
.S CLI=$P($G(^TMP($J,LIST,"OUT","DRUGDRUG",SV,DRG,ON,CT,"CLIN")), "CLINICAL EFFECTS: ",2)
S LT=75,STX=CLI D FT Q:$G(PSODLQT) F I=0:0 S I=$O(BSIG(I)) Q:'I W ?2
,BSIG(I),! D HD():(($Y+5)>IOSL) Q:$G(PSODLQT) ;HD must be called during clinical effects so
that nothing rolls off the screen; DON'T REMOVE
D HD():(($Y+5)>IOSL) Q:$G(PSODLQT) ;HD must be called after incase text rolls off the
screen. ; DON'T REMOVE
I $O(^TMP($J,LIST,"OUT","DRUGDRUG",SV,DRG,ON,CT,"PMON",0)) D MON^PSODDPR3 K X,Y
D HD():(($Y+5)>IOSL)
Q
;
FT
;format text
D HD():(($Y+5)>IOSL) Q:$G(PSODLQT) K BSIG N BBSIG,BVAR,BVAR1,III,ZNT,N
NN,BLIM S BBSIG=STX S (BVAR,BVAR1)=" ",III=1
S ZNT=0 F NNN=1:1:$L(BBSIG) I $E(BBSIG,NNN)=" "!(($L(BBSIG)=NNN) S ZNT=Z
NT+1 D I $L(BVAR)>LT S BSIG(III)=BLIM_ " ",III=III+1,BVAR=BVAR1
.S BVAR1=$P(BBSIG," ",(ZNT)),BLIM=BVAR,BVAR=$S(BVAR="":BVAR1,1:BVAR_ " "_BVAR1) D
HD(6):(($Y+6)>IOSL)
I $G(BVAR)'=" " S BSIG(III)=BVAR
I $G(BSIG(1))=" "!(($G(BSIG(1)))=" ") S BSIG(1)=$G(BSIG(2)) K BSIG(2)
K LT D HD():(($Y+5)>IOSL)
Q
;
HD(PSOLINES,OVRRID) ;
S:$G(PSODLQT) PSODLQT=0 S:$G(OVRRID) OVRRID=0 S:$G(PSOLINES) PSOLINES=5
I '$G(OVRRID),$G(PSODLQT)!((($Y+PSOLINES)'>IOSL) Q
N DIR,DTOUT,DUOUT,DIRUT,DIROUT,X,Y
W ! K DIR,Y S DIR(0)="E",DIR("A")="Press return to continue" D ^DIR K DIR
K PSOLINES,OVRRID
I Y'=1!($D(DTOUT))!($D(DUOUT)) S PSODLQT=1,PSORX("DFLG")=1 Q
W:$G(PSODUPF) @IOF
Q
;

```

Modified Logic (Changes are in bold)

6.2.12.1.2.18 PSODDPRE

Routine Name	PSODDPRE	
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
Requirement Traceability Matrix	CR1006	
Related Options	Patient Prescription Processing [PSO LM BACKDOOR ORDERS] Complete Orders from OERR [PSO LMOE FINISH] View Prescriptions [PSO VIEW] Edit Prescriptions [PSO RXEDIT]	
Related Routines	Routines "Called By"	Routines "Called"
	PSOCPRE, PSODDPR4, PSODDPR8, PSODRG	PSNAPIS, PSOBUILD, PSOCMOPA, PSOCPPRE, PSODDPR1, PSODDPR2, PSODDPR7, PSOFUNC, PSOUTL, PSOUTLA, PSOUTLA1, PSSDIUTL, PSSDSAPI, PSSDSAPM
Data Dictionary (DD) References	^PS(50.7, ^PS(55, ^PSDRUG, ^PS(50.606	
Related Protocols	N/A	
Related Integration Control Registrations (ICRs)	;External references PSOL and PSOUL^PSSLOCK supported by DBIA 2789 ;External references to ^PSSDSAPM supported by DBIA 5570 ;External references to ^PSSHRQ2 supported by DBIA 5369 ;External reference to ^PS(50.7 supported by DBIA 2223 ;External reference to ^PS(55 supported by DBIA 2228 ;External reference to ^PSDRUG(supported by DBIA 221 ;External reference to ^PS(50.606 supported by DBIA 2174 ;External reference to \$\$\$SUP^PSSDSAPI supported by DBIA 5425	
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	Name: Definition:	
Output Attribute Name and Definition	Name: Definition:	
Current Logic		
<pre> PSODDPRE ;BIR/SAB - Enhanced OP order checks ;09/20/06 3:38pm ; ;7.0;OUTPATIENT PHARMACY;**251,375,387,379,390**;DEC 1997;Build 86 ;External references PSOL and PSOUL^PSSLOCK supported by DBIA 2789 ;External references to ^PSSDSAPM supported by DBIA 5570 ;External references to ^PSSHRQ2 supported by DBIA 5369 ;External reference to ^PS(50.7 supported by DBIA 2223 ;External reference to ^PS(55 supported by DBIA 2228 ;External reference to ^PSDRUG(supported by DBIA 221 ;External reference to ^PS(50.606 supported by DBIA 2174 ;External reference to \$\$\$SUP^PSSDSAPI supported by DBIA 5425 ; K IT, ^TMP("PSORXDC", \$J), ^TMP("PSORXDD", \$J), CLS, ^TMP(\$J, "PSONVADD"), ^TMP </pre>		

```

($J,"PSONRVADD"),^TMP($J,"PSORDI"),^TMP($J,"PSORMDD")
N PSONULN,PSODLQT,ZZPSODRG S LIST="PSOPEPS",$P(PSONULN,"-",79)="-",(STA,DNM)=" "
D HD^PSODDPR2():(($Y+5)'>IOSL) Q:$G(PSODLQT)
F S STA=$O(PSOD(STA)) Q:STA=" " F S DNM=$O(PSOD(STA,DNM)) Q:DNM=""!
$G(PSORX("DFLG")) I $P(PSOD(STA,DNM),"^")'=$G(PSORENW("OIRXN")) D Q:$G(PSORX("DFLG"))
..I STA="PENDING" D ^PSODDPR1 Q
..I STA="ZNONVA" D NVA^PSODDPR1 Q
..D:PSODRUG("NAME")=$P(DNM,"^")&('D(^XUSEC("PSORPH",DUZ))) Q:$G(PSORX("DFLG"))
..I '$P(PSOPAR,"^",2),'$P(PSOPAR,"^",16) D DUP I $G(PSOTECCK) S PSORX("DFLG")=1 Q
..I '$P(PSOPAR,"^",2),'$P(PSOPAR,"^",16),$G(PSOTECCK) D DUP Q
..I $P(PSOPAR,"^",2),$G(PSOTECCK) D Q
...S DA=+PSOD(STA,DNM),PSOCLC=DUZ
...S MSG="Discontinued During Reinstating Prescription Entry",ACT="Discontinued during
Rx Reinststate."
...S ^TMP("PSORXDC",$J,DA,0)="52^"_DA_"^"_MSG_"^C^"_ACT_"^"_STA_"^"_DNM
,PSONOR="D",^TMP("PSORXDD",$J)=DNM
..I $P($G(PSOPAR),"^",16) D DUP Q
..I $P(PSOPAR,"^",2),'$P(PSOPAR,"^",16) D DUP S PSORX("DFLG")=1 Q
..D:PSODRUG("NAME")=$P(DNM,"^")&('D(^XUSEC("PSORPH",DUZ))) DUP
K ^TMP($J,"DD"),^TMP($J,"DC"),^TMP($J,"DI"),^TMP($J,"PSODRDI")
Q:$G(PSORX("DFLG"))
M ZZPSODRG=PSODRUG
S LIST="PSOPEPS" D REMOTE^PSOCPPRE
M PSODRUG=ZZPSODRG
Q
OBX ;process enhanced order checks
K ZGDG,ZTHER,IT
S LIST="PSOPEPS" K PSODLQT,DTOUT,DUOUT,DIRUT,PSODOSD
I $P(^TMP($J,LIST,"OUT",0),"^")=-1 G EXIT
W !,"Now Processing Enhanced Order Checks! Please wait...",<!-- H 1
D FDB S PDRG=PSODRUG("IEN"),DO=0 D IN^PSSHRQ2(LIST) ;call 2 fdb
;
K DIR
I $P(^TMP($J,LIST,"OUT",0),"^")=-1 D DATAK G EXIT
I '$D(PSODGCK) D ^PSODDPR2 ;if order checks returned
I $D(PSODGCK) D PROC^PSSDIUTL Q ;if running DX option
I '$G(PSOCOPY)&('$G(PSORENW)),$G(PSOQUIT) D
..I $G(PSOREINS) Q:$G(PSODLQT) S PSORX("DFLG")=1
;
EXIT
;
D ^PSOBUILD
K CAN,DA,DIR,DNM,DUPRX0,ISSD,J,LSTFL,MSG,PHYS,PSOCLC,PSONULN,REA,RFLS,R
X0,RX2,RXN,RXREC,ST,Y,ZZ,ACT,PSOCLOZ,PSOLR,PSOLDT,PSOCD,SIG
K DO,PDRG,IT,PSODLQT
K ^TMP($J,LIST,"IN","PING"),^TMP($J,LIST,"OUT","EXCEPTIONS"),^TMP($J,"P
SOPEPS"),^TMP($J,"PSORDI")
Q
DUP S:$P(PSOD(STA,DNM),"^",2)<10!($P(PSOD(STA,DNM),"^",2)=16) DUP=1 W !,P
SONULN,!,$C(7),"Duplicate Drug in Local Rx:",!
S RXREC=+PSOD(STA,DNM),MSG="Discontinued During "._$S('$G(PSONV):"New Prescription
Entry",1:"Verification")_" - Duplicate Drug"
DATA S DUPRX0=^PSRX(RXREC,0),RFLS=$P(DUPRX0,"^",9),ISSD=$P(^PSRX(RXREC,0),"^
",13),RX0=DUPRX0,RX2=^PSRX(RXREC,2),$P(RX0,"^",15)=+$G(^PSRX(RXREC,"STA"))
S RXRECLOC=$G(RXREC)
S DA=RXREC
D HD^PSODDPR2():(($Y+5)'>IOSL) Q:$G(PSODLQT)
W !,$J("Rx: ",24)_$P(^PSRX(+PSOD(STA,DNM),0),"^")
W !,$J("Drug: ",24)_$P(DNM,"^")
K FSIG,BSIG I $P($G(^PSRX(RXREC,"SIG")),"^",2) D FSIG^PSOUTLA("R",RXREC,54) F PSREV=1:1
Q:'$D(FSIG(PSREV)) S BSIG(PSREV)=FSIG(PSREV)
K FSIG,PSREV I '$P($G(^PSRX(RXREC,"SIG")),"^",2) D EN2^PSOUTLA1(RXREC,54)
W !,$J("SIG: ",24) W $G(BSIG(1))
I $O(BSIG(1)) F PSREV=1:0 S PSREV=$O(BSIG(PSREV)) Q:'PSREV W !?24,$G(BSIG(PSREV))
K BSIG,PSREV
D HD^PSODDPR2():(($Y+5)'>IOSL) Q:$G(PSODLQT)
W !,$J("QTY: ",24)_$P(DUPRX0,"^",7),?42,$J("Refills remaining: ",24),RF
LS-$S($D(^PSRX(RXREC,1,0)):P(^0),"^",4),1:0)
S PHYS=$S($D(^VA(200,+P(DUPRX0,"^",4),0)):P(^0),"^"),1:"UNKNOWN")
W !,$J("Provider: ",24)_PHYS,?42,$J("Issued: ",24),$E(ISSD,4,5)_"_/$E(
ISSD,6,7)_"_/$E(ISSD,2,3)
W !,$J("Status: ",24) S J=RXREC D STAT^PSOFUNC W ST K RX0,RX2

```

```

S LSTFL=+^PSRX(RXREC,3) W ?42,$J("Last filled: ",24)_$E(LSTFL,4,5)_" / "_
$E(LSTFL,6,7)_" / "_$E(LSTFL,2,3)
D PRSTAT(RXREC)
W !?42,$J("Days Supply: ",24)_$P(DUPRX0,"^",8)
W !,PSOBNLN,! I $P($G(^PS(53,+$P($G(PSORX("PATIENT STATUS")), "^"),0)), "
^")["AUTH ABS"!($G(PSORX("PATIENT STATUS"))["AUTH ABS"]&' $P(PSOPAR,"^",5) W !,"PATIENT ON
AUTHORIZED ABSENCE!" K RXRECLOC Q
ASKCAN I $P(PSOSD(STA,DNM),"^",2)>10,$P(PSOSD(STA,DNM),"^",2)'=16 D Q
.K DIR S DIR(0)="E",DIR("?)"="Press Return to continue",DIR("A")="Press Return to
continue" D ^DIR S:($D(DTOUT))!($D(DUOUT)) PSODLQT=1,PSORX("DFLG")=1 K
DIR,DTOUT,DUOUT,DIRUT,RXRECLOC
.S ^TMP("PSORXDD",$J,RXREC,0)=1
I '$P(PSOPAR,"^",16),' $D(^XUSEC("PSORPH",DUZ)) D Q
.S PSORX("DFLG")=1 K RXRECLOC,DIR S DIR(0)="E",DIR("?)"="Press Return to
continue",DIR("A")="Press Return to continue"
.D ^DIR K DIR
I $P(PSOSD(STA,DNM),"^",2)=16,$G(DUP) D Q
.W !!,"Prescription "_$P($G(^PSRX(+$G(RXRECLOC),0)), "^")_" is on Provider Hold, it
cannot be discontinued.",!
.K DUP,DIR,RXRECLOC S PSORX("DFLG")=1 S DIR(0)="E",DIR("?)"="Press Return to
continue",DIR("A")="Press Return to continue" D ^DIR K DIR
D PSOL^PSSLOCK(RXRECLOC) I '$G(PSOMSG) D K PSOMSG,DIR,DUP,RXRECLOC S
DIR("A")="Press Return to continue",DIR(0)="E",DIR("?)"="Press Return to continue" D ^DIR K DIR S
PSORX("DFLG")=1 Q
.I $P($G(PSOMSG),"^",2)'="" W !!,$P(PSOMSG,"^",2),! Q
.W !!,"Another person is editing Rx "_$P($G(^PSRX(RXRECLOC),0)), "^"),!
I $D(PSODGCK) K RXRECLOC,DUP,CLS,PSOBNR Q
K PSOMSG S DIR("A")=$S($P(PSOSD(STA,DNM),"^",2)=12:"Reinstate",1:
"Discontinue")_ RX # "_$P(^PSRX(+PSOSD(STA,DNM),0),"^")_" "_$P(DNM,"^")_" Y/N",DIR(0)="Y"
S DIR("?)"="Enter Y to "_$S($P(PSOSD(STA,DNM),"^",2)=12:"reinstate",1:"
discontinue")_" this RX."
D ^DIR K DIR S DA=RXREC S ACT=$S($D(SPCANC):"Reinstated during Rx cance
l.",1:$S($P(PSOSD(STA,DNM),"^",2)=12:"Reinstated",1:"Discontinued")_" while "$S
('$G(PSOBNV):"entering",1:"verifying")_" new RX")
D CMOP^PSOUTL I $G(CMOP("S"))="L" W !,"A CMOP Rx cannot be discontinued during
transmission!",! S Y=0 K CMOP
I 'Y W !,$C(7)," -Prescription was not "$S($P(PSOSD(STA,DNM),"^",2)=12
:"reinstated",1:"discontinued")_"..." D Q
.S:' $D(PSOCLC) PSOCLC=DUZ S MSG=ACT,REA=$S($P(PSOSD(STA,DNM),"^",2)=12:"R",1:"C")
S:$G(DUP) PSORX("DFLG")=1 K DUP D ULRX K RXRECLOC
.K ^TMP("PSORXDC",$J,RXREC,0)
I $P(PSOSD(STA,DNM),"^",2)=16,$G(CLS) W !!,"Prescription "_$P($G(^PSRX(
+$G(RXRECLOC),0)), "^")_" is on Provider Hold, it cannot be discontinued.",! D ULRX K
CLS,DUP,RXRECLOC S PSORX("DFLG")=1 H 2 Q
S PSOCLC=DUZ,MSG=$S($G(MSG)):"MSG,1:ACT_" During New RX "$S('$G(PSOBNV
):"Entry",1:"Verification")_" - Duplicate Rx"),REA=$S($P(PSOSD(STA,DNM),"^",2)=12:"R",1:"C")
W !! K ^UTILITY($J,"W") S DIWL=1,DIWR=75,DIWF=""
S X="Rx #"$P(^PSRX(+PSOSD(STA,DNM),0),"^")_" "_DNM_" will be discontinued
after"$S('$G(PSOTECCCK):" the acceptance of the new order.",1:" reinstating the order.") D ^DIWP
F ZX=0:0 S ZX=$O(^UTILITY($J,"W",1,ZX)) Q:'ZX W !,^UTILITY($J,"W",1,ZX,0)
K ^UTILITY($J,"W"),X,DIWL,DIWR,DIWF W !
S ^TMP("PSORXDC",$J,RXREC,0)="52^"_DA_"^"_MSG_"^"_REA_"^"_ACT_"^"_STA_"
^"_DNM,PSOBNR="D",^TMP("PSORXDD",$J)=DNM H 2
K RXRECLOC,DUP,CLS,PSOBNR
Q
FDB
;build drug check input
N ID,ORTYP,PSOI,ORN S DFN=PSODFN,CT=0
S ID=+$GETVUID^XTID(50.68,,+$P(PSODRUG("NDF"),"A",2)_,")
S P1=$P(PSODRUG("NDF"),"A"),P2=$P(PSODRUG("NDF"),"A",2),X=$$PROD0^PSNAP
IS(P1,P2),SEQN=+$P(X,"^",7)
I 'SEQN K ^TMP($J,LIST,"OUT","EXCEPTIONS"),^TMP($J,LIST,"IN")
S ^TMP($J,LIST,"IN","PROSPECTIVE","Z;1;PROSPECTIVE;1")=SEQN_"^"_ID_"^"_
PSODRUG("IEN")_"^"_$P(^PSDRUG(PSODRUG("IEN"),0),"^")
K:$D(PSODGCK)&$D(PSODGCKX) ^TMP($J,LIST,"IN","PROSPECTIVE","Z;1;PROSPEC
TIVE;1"),PSODGCKX
S ^TMP($J,LIST,"IN","IEN")=PSODFN,^TMP($J,LIST,"IN","DRUGDRUG")="",^TMP
($J,LIST,"IN","THERAPY")=""
K ID,P1,P2 N ODRG,TU S (STA,DNM)=" I '$G(PSOCOPY),' $G(SEQN) K SEQN Q
;build profile drug order checks
F S STA=$O(PSOSD(STA)) Q:STA="" F S DNM=$O(PSOSD(STA,DNM)) Q:DNM=""
D ;I $P(PSOSD(STA,DNM),"^")'=$G(PSORENW("OIRXN")) S CT=CT+1 D

```

```

.Q:$P(PSOSD(STA,DNM),"^")=$G(PSORENW("OIRXN"))&(' $G(PSOCOPY))
.S CT=CT+1
.I STA="PENDING" N DDRG D
..Q:$G(^TMP("PSORXDC",$J,$P(PSOSD(STA,DNM),"^",10),0))]"
..Q:$G(PSODRUG("IEN"))=$P(^PS(52.41,$P(PSOSD(STA,DNM),"^",10),0),"^",9)
..Q:$P(^PS(52.41,$P(PSOSD(STA,DNM),"^",10),0),"^",3)="RF"
..Q:$G(^TMP("PSORXPO",$J,$P(PSOSD(STA,DNM),"^",10),0))
..S RXREC=$P(PSOSD(STA,DNM),"^",10),ORN=$P(^PS(52.41,RXREC,0),"^"),ODRG
=$P(^0),"^",9),ORTYP="P"
..I ODRG D K ODRG Q
...I $P($G(^PSDRUG(ODRG,0)),"^",3)["S"!( $E($P($G(^PSDRUG(ODRG,0)),"^",2),1,2)="XA") Q
...S PDNM=$P(^PSDRUG(ODRG,0),"^") D ID
..E N PSOI,DDRG,ODRG,SEQN,DDRG S PSOI=$P(^PS(52.41,RXREC,0),"^",8) D
...S PDNM=$P(^PS(50.7,PSOI,0),"^")_ " _$P(^PS(50.606,$P(^0),"^",2),0),"^")
...S DDRG=$$DRG^PSSDSAPM(PSOI,"O") I '$P(DDRG,";") D OIX Q
...I $P($G(^PSDRUG($P(DDRG,";"),0)),"^",3)["S"!( $E($P($G(^PSDRUG($P(DDR
G,";"),0)),"^",2),1,2)="XA") Q
...S ODRG=$P(DDRG,";"),SEQN=+$P(DDRG,";"),3) K PSOI
...N ID S ID=+$GETVUID^XTID(50.68,+$P($G(^PSDRUG(ODRG,"ND")),"^",3)_,"")
...D ID1
.I STA="ZNONVA" D Q
..Q:$G(^TMP($J,"PSONVADD",$P(PSOSD(STA,DNM),"^",10),0))]"
..S RXREC=$P(PSOSD(STA,DNM),"^",10),ODRG=$P(^PS(55,PSODFN,"NVA",RXREC,0
),"^",2),ORN=$P(^0),"^",8),ORTYP="N"
..I ODRG D K ODRG Q
...I $P($G(^PSDRUG(ODRG,0)),"^",3)["S"!( $E($P($G(^PSDRUG(ODRG,0)),"^",2),1,2)="XA") Q
...S PDNM=$P(^PSDRUG(ODRG,0),"^") D ID
..E N PSOI,DDRG,ODRG,SEQN,DDRG S PSOI=$P(^PS(55,PSODFN,"NVA",RXREC,0),"^") D
...S PDNM=$P(^PS(50.7,PSOI,0),"^")_ " _$P(^PS(50.606,$P(^0),"^",2),0),"^")
...S DDRG=$$DRG^PSSDSAPM(PSOI,"X") I '$P(DDRG,";") D:'$NVATST(PSOI) OIX Q
...I $P($G(^PSDRUG($P(DDRG,";"),0)),"^",3)["S"!( $E($P($G(^PSDRUG($P(DDR
G,";"),0)),"^",2),1,2)="XA") Q
...S ODRG=$P(DDRG,";"),SEQN=+$P(DDRG,";"),3) K PSOI
...N ID S ID=+$GETVUID^XTID(50.68,+$P($G(^PSDRUG(ODRG,"ND")),"^",3)_,"")
...D ID1
.I $P($G(^PSRX(+PSOSD(STA,DNM),0)),"^",6) D
..Q:$G(^TMP("PSORXDC",$J,$P(PSOSD(STA,DNM),"^",0),0))]"
..Q:$G(^TMP("PSORXBO",$J,$P(PSOSD(STA,DNM),"^",0),0))
..Q:$G(^TMP("PSORXDD",$J,$P(PSOSD(STA,DNM),"^",0),0))
..I $P(PSOSD(STA,DNM),"^",2)>5,$P(PSOSD(STA,DNM),"^",2)'=16 Q
..S RXREC=+PSOSD(STA,DNM),ODRG=$P(^PSRX(RXREC,0),"^",6),ORN=$P($G(^("OR
1")),"^",2),ORTYP="O"
..I ODRG D
...I $P($G(^PSDRUG(ODRG,0)),"^",3)["S"!( $E($P($G(^PSDRUG(ODRG,0)),"^",2),1,2)="XA") Q
...I STA="DISCONTINUED" Q:$DUPOTHER(RXREC)
...S PDNM=$P(^PSDRUG(ODRG,0),"^") D ID
D IMO^PSODDPR7(PSODFN)
K RXREC,ID,STA,DNM,PSOI,ORN,ODRG,ORTYP,CT,PDNM,TU,DDRG
Q
;
ID N ID,P1,P2,PSODGCKP S ID=+$GETVUID^XTID(50.68,+$P($G(^PSDRUG(ODRG,"ND")),"^",3)_,"")
S P1=$P($G(^PSDRUG(ODRG,"ND")),"^"),P2=$P($G(^("ND")),"^",3),X=$$PROD0^
PSNAPIS(P1,P2),SEQN=$P(X,"^",7)
ID1 S PSODGCKP=$S($G(PSODGCK):"PROSPECTIVE",1:"PROFILE")
S ^TMP($J,LIST,"IN",PSODGCKP,$S($D(PSODGCK):"Z",1:ORTYP)_;"_RXREC_";"_
PSODGCKP_";"_CT")=SEQN_"^"_ID_"^"_ODRG_"^"_PDNM_"^"_ORN_"^O" K ID
Q
DUPOTHER(RXREC) ;screen out discontinued/duplicate therapy Rx's greater than business rule
calculation (cancel date + days supply +7 days)
;Note: If the dup allowance is 1 you have to have at least 3 eligible drug orders (or 2
matches) to produce the dupl. therapy warning
;Business rule for expired orders is (expiration date+120 days) which is the length of
time expired order currently stay on med profile. No changes for this.
N X,Y,X1,X2 S X1=$P($G(^PSRX(RXREC,3)),"^",5),X2=(+$P(^PSRX(RXREC,0),"^",8)+7) D C^%DTC
I DT>X Q 1
Q 0
OIX S ^TMP($J,LIST,"IN","EXCEPTIONS","OI",PDNM)=1_"^"_ORTYP_"_RXREC_"_PROFILE;"_CT
Q
ULRX ;
I '$G(RXRECLOC) Q
D PSOUL^PSSLOCK(RXRECLOC)

```

<pre> Q ; PRSTAT(DA) ;Displays the prescription's status N PSOTRANS,PSOREL,PSOCMOP,RXPSTA,PSOX,RFLZRO,PSOLRD,PSORTS,CMOP D HD^PSODDPR2():((\$Y+5)'>IOSL) Q:\$G(PSODLQT) S RXPSTA="Processing Status: ",PSOLRD=\$P(\$G(^PSRX(RXREC,2)),"^",13) D ^PSOCMOPA I \$G(PSOCMOP)]"" D K CMOP,PSOTRANS,PSOREL .S PSOTRANS=\$E(\$P(PSOCMOP,"^",2),4,5)_"_"\$E(\$P(PSOCMOP,"^",2),6,7)_"_" _\$E(\$P(PSOCMOP,"^",2),2,3) .S PSOREL=\$S(CMOP("L")=0:\$P(\$G(^PSRX(DA,2)),"^",13),1:\$P(^PSRX(DA,1,CMOP("L"),0),"^",18)) .S PSOREL=\$E(PSOREL,4,5)_"_"\$E(PSOREL,6,7)_"_"\$E(PSOREL,2,3)_"@"_\$E(\$ P(PSOREL,".",2),1,4) .I ' \$D(IOINORM)!('\$D(IOINH)) S X="IORVOFF;IORVON;IOINH;IOINORM" D ENDR^%ZISS .I \$P(\$G(^PSRX(RXREC,"STA")),"^")=0 W:\$STRANCMOP^PSOUTL(RXREC) ?5,IORVON_IOINH .S:\$G(PSODUPF) PSODUPC(ZCT)=PSODUPC(ZCT)+1 W:'\$G(PSODUPF) !,\$J(RXPSTA,24)_ \$\$(\$P(PSOCMOP,"^")=0!(\$P(PSOCMOP,"^")=2):"Transmitted to CMOP on "_PSOTRANS,\$ P(PSOCMOP,"^")=1:"Released by CMOP on "_PSOREL,1:"Not Dispensed"),IOINORM_IORVOFF D HD^PSODDPR2():((\$Y+5)'>IOSL) Q:\$G(PSODLQT) I \$G(PSOCMOP)]"" D .F PSOX=0:0 S PSOX=\$O(^PSRX(RXREC,1,PSOX)) Q:'PSOX D ..S RFLZRO=\$G(^PSRX(RXREC,1,PSOX,0)) ..S:\$P(RFLZRO,"^",18)'="" PSOLRD=\$P(RFLZRO,"^",18) I \$P(RFLZRO,"^",16) S PSOLRD=PSOLRD_"^R",PSORTS=\$P(RFLZRO,"^",16) .I '\$O(^PSRX(RXREC,1,0)),\$P(^PSRX(RXREC,2),"^",15) S PSOLRD=PSOLRD_"^R" ,PSORTS=\$P(^PSRX(RXREC,2),"^",15) .S:\$G(PSODUPF) PSODUPC(ZCT)=PSODUPC(ZCT)+1 W:'\$G(PSODUPF) !,\$J(RXPSTA,24) .I +\$G(PSORTS) S:\$G(PSODUPF) PSODUPC(ZCT)=PSODUPC(ZCT)+1 W:'\$G(PSODUPF) "Returned to stock on "_\$\$FMTE^XLFD(TPSORTS,2) Q .S:\$G(PSODUPF) PSODUPC(ZCT)=PSODUPC(ZCT)+1 W:'\$G(PSODUPF) \$\$ (PSOLRD="": "Not released locally",1:"Released locally on "_\$\$FMTE^XLFD(T\$P(PSOLRD,"^"),2)_" "\$P(PSOLRD,"^",2))_S(\$P(^PSRX(RXREC,0),"^",11)="W":(Window),1:(Mail)) Q ; DATAK ;check FDB returned data to determine whether to continue processing. S DIR(0)="E",DIR("A",1)="No Enhanced Order Checks can be performed." S DIR("A",2)=" Reason(s): "_\$P(\$G(^TMP(\$J,LIST,"OUT",0)),"^",2) S DIR("A")="Press Return to continue..." ,DIR("?")="Press Return to continue" W ! D ^DIR K DIRUT,DUOUT,DIR,X,Y W @IOF ;I \$P(^TMP(\$J,LIST,"OUT",0),"^")=1 Q ; NVATST(PSONVTOI) ; Look for any active Non-VA Dispense Drugs not marked as a supply item N PSONVT1,PSONVTFL,PSONVTIN S PSONVTFL=1 F PSONVT1=0:0 S PSONVT1=\$O(^PSDRUG("ASP",PSONVTOI,PSONVT1)) Q:'PSONVT1! ('PSONVTFL) D .I \$P(\$G(^PSDRUG(PSONVT1,2)),"^",3)'["X" Q .S PSONVTIN=\$P(\$G(^PSDRUG(PSONVT1,"I")),"^") I PSONVTIN,PSONVTIN<DT Q .S PSONVTFL=\$\$SUP^PSSDSAPI(PSONVT1) Q PSONVTFL </pre>	
Modified Logic (Changes are in bold)	

6.2.12.1.2.19 PSODGAL3

Routine Name	PSODGAL3
Enhancement Category	<input checked="" type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change
Requirement Traceability Matrix	CR1006
Related Options	Patient Prescription Processing [PSO LM BACKDOOR ORDERS] Complete Orders from OERR [PSO LMOE FINISH] View Prescriptions [PSO VIEW] Edit Prescriptions [PSO RXEDIT] Inpatient Order Entry [PSJ OE]

	Order Entry (IV) [PSJI ORDER] Order Entry [PSJU NE]	
Related Routines	Routines "Called By"	Routines "Called"
	PSODGAL1	
Data Dictionary (DD) References		
Related Protocols	N/A	
Related Integration Control Registrations (ICRs)	N/A	
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input checked="" type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	Name: Definition:	
Output Attribute Name and Definition	Name: Definition:	
Current Logic		
N/A		
Modified Logic (Changes are in bold)		
<pre> PSODGAL3 ;BIR/LC,SAB-enhanced DRUG ALLERGY REACTION CHECKING continued ;12/09/07 02:22 ; ;7.0;OUTPATIENT PHARMACY;**251,401,390,424,412**;DEC 1997;Build 1 ; SETTMP ; S (TYPE,SITENM,SITENUM,ZALL,PSOSYM,PSOLCLAC)="",(DCCNT,DACNT)=0 F S TYPE=\$O(PSOSARRY(TYPE)) Q:TYPE="" F S SITENM=\$O(PSOSARRY(TYPE,SITENM)) Q:SITENM="" F S SITENUM=\$O(PSOSARRY(TYPE,SITENM,SITENUM)) Q:SITENUM="" D .S ZALL="",ZALL=GMRAING(SITENUM),DACNT=DACNT+1 .S PSOINSTL=\$P(\$P(ZALL,"^",5),"|"),PSOSTA=\$P(\$P(ZALL,"^",3),"|"),PSOHIS =\$P(\$P(ZALL,"^",10),"|"),PSOHISI=\$P(\$P(ZALL,"^",10),"|",2) .S PSOASEV=\$P(\$P(ZALL,"^",6),"|",1),PSOSEVI=\$P(\$P(ZALL,"^",6),"|",2),PSOSEVT=PSOSEV S:PSOSEVT=3 PSOSEVT("S")=1 .S PSOSTYP=\$P(\$P(ZALL,"^",4),"|"),PSOSTYPI=\$P(\$P(ZALL,"^",4),"|",2),PSO MEDL=\$P(\$P(ZALL,"^",4),"|",1),PSOMEDLI=\$P(\$P(ZALL,"^",4),"|",2) .S PSOLOCAL=\$P(ZALL,"^",4),PSOLOCI=\$P(\$P(ZALL,"^",4),"|",2),PSODGCL=\$P(ZALL,"^",11) .;ZERO NODE OF DRUG ALLERGY MULTIPLE .S SETTMP(DACNT,0)=\$E(\$P(ZALL,"^",8),1,64)_"^"_\$P(\$P(ZALL,"^",9),"|",2) _"^"_\$P(SOMEDLI,"^")_\$S(PSOLOCI="R":\$P(\$P(ZALL,"^",3),"|",2),1:"") .S SETTMP(DACNT,0)=SETTMP(DACNT,0)_"^"_\$P(\$P(ZALL,"^",5),"|",2)_"^"_\$P(SOHISI,"^")_\$P(SOSEVI .S ^TMP("PSODAC", \$J,DACNT,0)=SETTMP(DACNT,0) .;DRUG CLASS .I PSODGCL["~"&(PSODGCL'="") S ^TMP("PSODAC", \$J,DACNT,1,1,0)=PSODGCL .E S PSOLCLAS="" F II=1:1 S PSOLCLAS=\$P(PSODGCL,"~",II) Q:PSOLCLAS="" S ^TMP("PSODAC", \$J,DACNT,1,II,0)=PSOLCLAC .;DRUG INGREDIENT .S INGRED=\$P(ZALL,"^",12) .I INGRED["~" S ^TMP("PSODAC", \$J,DACNT,2,1,0)=INGRED .I INGRED["~" S INGRED="" F II=1:1 S INGRED=\$P(INGRED,"~",II) Q:INGRED="" S ^TMP("PSODAC", \$J,DACNT,2,II,0)=INGRED .;SIGN/SYMPTOM .S SYMCNT=0,PSOSYMN="" .F S PSOSYMN=\$O(PSOSARRY(TYPE,SITENM,SITENUM,"ZZSYMTOMS",PSOSYMN)) Q:PSOSYMN="" S SYMCNT=SYMCNT+1 D .S ^TMP("PSODAC", \$J,DACNT,3,SYMCNT,0)=PSOSARRY(TYPE,SITENM,SITENUM,"Z ZZSYMTOMS",PSOSYMN) .;DISPENSE DRUG .S ^TMP("PSODAC", \$J,DACNT,5,1,0)=\$G(PSODRUG("IEN")) Q </pre>		

6.2.12.1.2.20 PSODOSU2

Routine Name	PSODOSU2	
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
Requirement Traceability Matrix	CR1006	
Related Options	Patient Prescription Processing [PSO LM BACKDOOR ORDERS] Complete Orders from OERR [PSO LMOE FINISH] View Prescriptions [PSO VIEW] Edit Prescriptions [PSO RXEDIT]	
Related Routines	Routines "Called By"	Routines "Called"
	N/A	N/A
Data Dictionary (DD) References		
Related Protocols		
Related Integration Control Registrations (ICRs)	N/A	
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	Name: Definition:	
Output Attribute Name and Definition	Name: Definition:	
Current Logic		
<pre> PSODOSU2 ;BIR/RTR - Dose Check Utility routine continued ;11/18/08 ; ;7.0;OUTPATIENT PHARMACY;**251,375**;DEC 1997;Build 17 ; DOSE ; S PSODSEQ="" F S PSODSEQ=\$O(^TMP(\$J,"PSOPDOSN","OUT",PSODSEQ)) Q:PSODSEQ="" S PSODLNN1="" F S PSODLNN1=\$O(^TMP(\$J,"PSOPDOSN","OUT",PSODSEQ,PSODLNN1)) Q:PSODLNN1="" S PSODLECT=0 D .F PSODLERA=0:0 S PSODLERA=\$O(^TMP(\$J,"PSOPDOSN","OUT",PSODSEQ,PSODLNN1 ,"ERROR",PSODLERA)) Q:'PSODLERA S PSODLECT=PSODLECT+1 D .F PSODLERX="MSG","TEXT" S PSODLERB=\$G(^TMP(\$J,"PSOPDOSN","OUT",PSODSE Q,PSODLNN1,"ERROR",PSODLERA,PSODLERX)) D ...S PSODLERZ=0 Q:PSODLERB="" D HD I PSODLERF,PSODLERX="MSG" W:'PSODLQT ! D HD ...I 'PSODLERF W:'PSODLQT ! ...S PSODLERF=1 D HD I PSODLERZ W:'PSODLQT ! ...S PSODLERR=1 D HD W:'PSODLQT&(PSODLECT>1) ! N X,DIWL,DIWR,DIWF,PSODELXR, PSODELXF ...D HD S PSOCPIXG=\$P(PSODLNN1,";",4) I '\$G(PSOCPIXR(PSOCPIXG))&(PSOCPIXB>1) D SUB^PSODOSUT W:'PSODLQT&('PSODLERZ) ! ...D HD W:'PSODLQT&(PSODLECT>1)&(PSODLERX="TEXT") ! S X=PSODLERB,DIWL= 1,DIWR=\$S(PSODLERX="MSG":76,1:74) K ^UTILITY(\$J,"W") D ^DIWP ...S PSODELXF=0 F PSODELXR=0:0 S PSODELXR=\$O(^UTILITY(\$J,"W",DIWL,PSODE LXR)) Q:PSODELXR D HD W:PSODELXF&('PSODLQT) ! D HD W:'PSODLQT \$S(PSODLERX="MSG": " ",1:" ")_ \$G(^UTILITY(\$J,"W",DIWL,PSODELXR,0)) D SFD^PSODOSUT ...K ^UTILITY(\$J,"W") .D EXCEPT^PSODOSUT .D HD W:PSODLERF&('PSODLQT)&(' \$D(^TMP(\$J,"PSOPDOSN","OUT",PSODSEQ,PSODL NN1,"EXCEPTIONS"))&(' \$D(^TMP(\$J,"PSOPDOSN","OUT",PSODSEQ,PSODLNN1,"MESSAGE")) ! S (PSODLERZ,PSODLERF)=0 .F PSODLERA=0:0 S PSODLERA=\$O(^TMP(\$J,"PSOPDOSN","OUT",PSODSEQ,PSODLNN1 ,"EXCEPTIONS",PSODLERA)) Q:'PSODLERA D ...S PSODLERB=\$G(^TMP(\$J,"PSOPDOSN","OUT",PSODSEQ,PSODLNN1,"EXCEPTIONS", </pre>		


```

PSODLERA)) D SBAD^PSODOSUT
..Q:PSODLERB="" D HD I 'PSODLERF W:'PSODLQT !
..S PSODLERF=1 D HD S PSODLALZ=1 D HD
..S PSOCPCXG=$P(PSODLNN1,";",4) I '$G(PSOCPCXRR(PSOCPCXG)),PSOCPCXB>1 D HD
W:'PSODLQT&(PSODLERZ) ! D SUB^PSODOSUT
..D HD W:'PSODLQT ! N X,DIWL,DIWR,DIWF,DIWL,PSODELXR,PSODELXF S PSODELEXR=1
..S DIWL=4,DIWR=76 K ^UTILITY($J,"W")
..S X=PSODLERB D ^DIWP D HD I PSODLERB["Range Check Error Summary",PSODLERZ W:'PSODLQT !
D HD
..S PSODELXF=0 F PSODELXR=0:0 S PSODELXR=$O(^UTILITY($J,"W",DIWL,PSODELXR)) Q:'PSODELXR
D HD W:PSODELXF&('PSODLQT) ! D HD W:'PSODLQT " _$G(^UTILITY($J,"W",DIWL,PSODELXR,0)) S
(PSODELXF,PSODLERZ)=1
..K ^UTILITY($J,"W")
..S PSODLFLG=0 I $$FEED^PSODOSUT D HD W:'PSODLQT !
..S PSODLPL="" F S PSODLPL=$O(^TMP($J,"PSOPDOSN","OUT",PSODSEQ,PSODLNN1
,"MESSAGE",PSODLPL)) Q:PSODLPL="" D
..F PSODLPL=0:0 S PSODLPL=$O(^TMP($J,"PSOPDOSN","OUT",PSODSEQ,PSODLNN1,
"MESSAGE",PSODLPL,PSODLPL)) Q:'PSODLPL D
...S PSODLMSG=$G(^TMP($J,"PSOPDOSN","OUT",PSODSEQ,PSODLNN1,"MESSAGE",PSODLPL,PSODLPL))
...Q:PSODLMSG="" D HD I 'PSODLFLG W:'PSODLQT !
...S PSODLFLG=1 S PSODELEXR=0
...I PSODLPL="1_SINGLE" S PSODLINS=1
...I PSODLPL="2_RANGE" S PSODLINR=1
...I '$G(PSOCPCXF)&($G(PSOCOPY)!($D(PSORENW))) S PSOCPCXG=$P(PSODLNN1,";",4) D
SUMM^PSODOSUT
...S PSOCPCXG=$P(PSODLNN1,";",4) D HD D:'$G(PSOCPCXRR(PSOCPCXG)) SUB^PSODOSUT D
...I '$G(PSOCPCXRR(PSOCPCXG))&$P(PSODLNN1,";",5)'="" K PSODAILY
...I PSODLPL="2_RANGE", '$G(PSODAILY) D DAILY^PSODOSUT I PSOCPCXG'=PSOCPCXB K PSODAILY
...D HD W:'PSODLQT ! N X,DIWL,DIWR,DIWF,PSODELXR,PSODELXF S X=PSODLMSG,DIWL=1,DIWR=76 K
^UTILITY($J,"W") D ^DIWP
...S PSODELXF=0 F PSODELXR=0:0 S PSODELXR=$O(^UTILITY($J,"W",DIWL,PSODELXR))
Q:'PSODELXR D HD W:PSODELXF&('PSODLQT) ! D HD W:'PSODLQT " _$G(^UTILITY($J,"W",
DIWL,PSODELXR,0)) S PSODELXF=1
...K ^UTILITY($J,"W")
...D HD I 'PSODLQT S PSODELNK=$O(^TMP($J,"PSOPDOSN","OUT",PSODSEQ,PSODLNN1)) I
'$P($G(PSODELNK),";",5)!($P($G(PSODELNK),";",4)'=PSOCPCXG) W !
Q
;
DOSEX
;
S PSODSEQ="" F S PSODSEQ=$O(^TMP($J,"PSOPDOSN","OUT",PSODSEQ)) Q:PSODSEQ="" S
PSODLQT=0 S PSODLNN1="" F S PSODLNN1=$O(^TMP($J,"PSOPDOSN","OUT",PSODSEQ,PSODLNN1))
Q:PSODLNN1="" D:$P(PSODLNN1,";",4)=PSODLXNT
..F PSODLERA=0:0 S PSODLERA=$O(^TMP($J,"PSOPDOSN","OUT",PSODSEQ,PSODLNN1
,"ERROR",PSODLERA)) Q:'PSODLERA D
..F PSODLERX="MSG","TEXT" S PSODLERB=$G(^TMP($J,"PSOPDOSN","OUT",PSODSE
Q,PSODLNN1,"ERROR",PSODLERA,PSODLERX)) D
...S PSODLERZ=0 I PSODLERB="" Q
...D HD I PSODLERF,PSODLERX="MSG" W:'PSODLQT ! D HD I 'PSODLERF W:'PSODLQT !
...S PSODLERF=1 D HD I PSODLERZ W:'PSODLQT !
...S PSODLERR=1 D HD W:'PSODLQT ! N X,DIWL,DIWR,DIWF,PSODELXR,PSODELXF S
X=PSODLERB,DIWL=1,DIWR=$S(PSODLERX="MSG":76,1:74) K ^UTILITY($J,"W") D ^DIWP
...S PSODELXF=0 F PSODELXR=0:0 S PSODELXR=$O(^UTILITY($J,"W",DIWL,PSODELXR)) Q:'PSODELXR
D HD W:PSODELXF&('PSODLQT) ! D HD W:'PSODLQT $S(PSODLERX="MSG": " ",1:"
")_$G(^UTILITY($J,"W",DIWL,PSODELXR,0)) D SFD^PSODOSUT
...K ^UTILITY($J,"W")
..D EXCEPT^PSODOSUT S (PSODLERZ,PSODLERF)=0
..F PSODLERA=0:0 S PSODLERA=$O(^TMP($J,"PSOPDOSN","OUT",PSODSEQ,PSODLNN1
,"EXCEPTIONS",PSODLERA)) Q:'PSODLERA D
..S PSODLERB=$G(^TMP($J,"PSOPDOSN","OUT",PSODSEQ,PSODLNN1,"EXCEPTIONS",PSODLERA)) D
SBAD^PSODOSUT:PSODLERB=""
..Q:PSODLERB="" D HD I 'PSODLERF W:'PSODLQT !
..S PSODLERF=1 D HD S PSODLALZ=1 D HD W:'PSODLQT ! N X,DIWL,DIWR,DIWF,P
SODELXR,PSODELXF S DIWL=1,DIWR=76 K ^UTILITY($J,"W")
..S X=PSODLERB D ^DIWP S X=PSODLERB,DIWL=1,DIWR=76 K ^UTILITY($J,"W") D
^DIWP I PSODLERB["Range Check Error Summary",PSODLERZ W:'PSODLQT ! D HD
..S PSODELXF=0 F PSODELXR=0:0 S PSODELXR=$O(^UTILITY($J,"W",DIWL,PSODELXR)) Q:'PSODELXR
D HD W:PSODELXF&('PSODLQT) ! D HD W:'PSODLQT " _$G(^UTILITY($J,"W",DIWL,PSODELXR,0)) S
(PSODELXF,PSODLERZ)=1
..K ^UTILITY($J,"W")
..S PSODLFLG=0,PSODLPL="" F S PSODLPL=$O(^TMP($J,"PSOPDOSN","OUT",PSODS
EQ,PSODLNN1,"MESSAGE",PSODLPL)) Q:PSODLPL="" D

```

```

..F PSODLP1=0:0 S PSODLP1=$O(^TMP($J,"PSOPDOSN","OUT",PSODSEQ,PSODLNN1,
"MESSAGE",PSODLPL,PSODLP1)) Q:'PSODLP1 D
...S PSODLMSG=$G(^TMP($J,"PSOPDOSN","OUT",PSODSEQ,PSODLNN1,"MESSAGE",PSODLPL,PSODLP1))
...Q:PSODLMSG="" D HD I 'PSODLFLG W:'PSODLQT !
...S PSODLFLG=1 I PSODLPL="1_SINGLE" S PSODLINS=1
...I PSODLPL="2_RANGE" S PSODLINR=1 S:PSODLPL="2_RANGE" PSODLINR=1 D
...D HD W:'PSODLQT ! N X,DIWL,DIWR,DIWF,PSODELXR,PSODELXF S X=PSODLMSG,
DIWL=1,DIWR=76 K ^UTILITY($J,"W") D ^DIWP D
...S PSODELXF=0 F PSODELXR=0:0 S PSODELXR=$O(^UTILITY($J,"W",DIWL,PSODELXR))
Q:'PSODELXR D HD W:PSODELXF&('PSODLQT) ! D HD W:'PSODLQT " _$G(^UTILITY
($J,"W",DIWL,PSODELXR,0)) S PSODELXF=1
...K ^UTILITY($J,"W") D HD I 'PSODLQT S PSODELNX=$O(^TMP($J,"PSOPDOSN"
,"OUT",PSODSEQ,PSODLNN1)) I '$P($G(PSODELNX),";",5) W !
Q
;
DOSEZ
;
S PSODSEQ="" F S PSODSEQ=$O(^TMP($J,"PSOPDOSN","OUT",PSODSEQ)) Q:PSODSEQ="" S
PSODLQT=0 K PSOCPCXRR S PSODLNN1="" F S PSODLNN1=$O(^TMP($J,"PSOPDOSN","OUT",PSODSEQ,PSODLNN1))
Q:PSODLNN1="" S PSODLECT=0 D
..F PSODLERA=0:0 S PSODLERA=$O(^TMP($J,"PSOPDOSN","OUT",PSODSEQ,PSODLNN1
,"ERROR",PSODLERA)) Q:'PSODLERA S PSODLECT=PSODLECT+1 D
..F PSODLERX="MSG","TEXT" S PSODLERB=$G(^TMP($J,"PSOPDOSN","OUT",PSODSE
Q,PSODLNN1,"ERROR",PSODLERA,PSODLERX)) D
...S PSODLERZ=0 I PSODLERB="" Q
...I PSOCPCX D HD I PSODLERF,PSODLERX="MSG" W:'PSODLQT ! D HD
...I 'PSODLERF W:'PSODLQT&('PSOCPCX) !
...S PSODLERF=1 D:PSOCPCX HD I PSODLERZ W:'PSODLQT&('PSOCPCX) !
...S PSODLERR=1 D:PSOCPCX
...D HD W:'PSODLQT&(PSODLECT>1) ! N X,DIWL,DIWR,DIWF,PSODELXR,PSODELXF
...D:PSOCPCX HD D:'PSOCPCX&('PSOCPCX) SUMM^PSODOSUT
...D:PSOCPCX HD S PSOCPCXG=$P(PSODLNN1,";",4) I PSOCPCX&('$G(PSOCPCXRR(PSOCPCXG))) D
SUB^PSODOSUT W:'PSODLQT&('PSODLERZ) !
...D:PSOCPCX HD W:'PSODLQT&(PSODLECT>1)&(PSODLERX="TEXT")&(PSOCPCX) !
S X=PSODLERB,DIWL=1,DIWR=$S(PSODLERX="MSG":76,1:74) K ^UTILITY($J,"W") D ^DIWP
...S PSODELXF=0 F PSODELXR=0:0 S PSODELXR=$O(^UTILITY($J,"W",DIWL,PSODELXR))
Q:'PSODELXR D:PSOCPCX HD W:PSODELXF&('PSODLQT) ! D:PSOCPCX HD W:'$G(PSODLQT) $S(PSODLERX="MSG":
",1:" ")_ $G(^UTILITY($J,"W",DIWL,PSODELXR,0)) D SFD^PSODOSUT
...K ^UTILITY($J,"W")
..D EXCEPT^PSODOSUT
..D:PSOCPCX HD W:PSODLERF&(PSOCPCX)&('PSODLQT)&('$D(^TMP($J,"PSOPDOSN","OUT",
PSODSEQ,PSODLNN1,"EXCEPTIONS"))&('$D(^TMP($J,"PSOPDOSN","OUT",PSODSEQ,PSODLNN1,"MESSAGE"))) ! S
(PSODLERZ,PSODLERF,PSODLESM)=0 ;do i NEED TO INITILIZE THE FIRST TWO
..F PSODLERA=0:0 S PSODLERA=$O(^TMP($J,"PSOPDOSN","OUT",PSODSEQ,PSODLNN1
,"EXCEPTIONS",PSODLERA)) Q:'PSODLERA D
..S PSODLERB=$G(^TMP($J,"PSOPDOSN","OUT",PSODSEQ,PSODLNN1,"EXCEPTIONS",PSODLERA)) D
SBAD^PSODOSUT:PSODLERB=""
..Q:PSODLERB="" D:PSOCPCX HD I 'PSODLERF W:'PSODLQT&('PSOCPCX) !
..S PSODLERF=1 D:PSOCPCX HD S PSODLALZ=1
..D:PSOCPCX
...D HD I 'PSOCPCX&('PSOCPCX) D SUMM^PSODOSUT D HD
...S PSOCPCXG=$P(PSODLNN1,";",4) I PSOCPCX&('$G(PSOCPCXRR(PSOCPCXG))) D HD
W:'PSODLQT&('PSOCPCX)&(PSODLESM) ! D SUB^PSODOSUT
...S PSODLESM=1 D HD W:'PSODLQT ! N X,DIWL,DIWR,DIWF,DIWL,PSODELXR,PSOD
ELXF S PSODELXR=1 S DIWL=1,DIWR=76 K ^UTILITY($J,"W")
...S X=PSODLERB D ^DIWP D HD I PSODLERB["Range Check Error Summary",PSODLERZ W:'PSODLQT
! D HD
...S X=PSODLERB,DIWL=1,DIWR=76 K ^UTILITY($J,"W") D ^DIWP I PSODLERB["Range Check Error
Summary",PSODLERZ W:'PSODLQT ! D HD
...S PSODELXF=0 F PSODELXR=0:0 S PSODELXR=$O(^UTILITY($J,"W",DIWL,PSODELXR)) Q:'PSODELXR
D HD W:PSODELXF&('PSODLQT) ! D HD W:'PSODLQT " _$G(^UTILITY($J,"W",DIWL,PSODELXR,0)) S
(PSODELXF,PSODLERZ)=1
...K ^UTILITY($J,"W")
..S PSODLFLG=0 I $$FEED^PSODOSUT&(PSOCPCX) D HD W:'PSODLQT !
..S PSODLPL="" F S PSODLPL=$O(^TMP($J,"PSOPDOSN","OUT",PSODSEQ,PSODLNN1
,"MESSAGE",PSODLPL)) Q:PSODLPL="" D
..F PSODLP1=0:0 S PSODLP1=$O(^TMP($J,"PSOPDOSN","OUT",PSODSEQ,PSODLNN1,
"MESSAGE",PSODLPL,PSODLP1)) Q:'PSODLP1 D
...S PSODLMSG=$G(^TMP($J,"PSOPDOSN","OUT",PSODSEQ,PSODLNN1,"MESSAGE",PSODLPL,PSODLP1))
...Q:PSODLMSG="" D:PSOCPCX HD I 'PSODLFLG W:'PSODLQT&('PSOCPCX)&('PSOCPCX) !
...S PSODLFLG=1 S PSODELXR=0
...I PSODLPL="1_SINGLE" S PSODLINS=1

```

	<pre> ...I PSODLPL="2_RANGE" S PSODLINR=1 D ...Q:'PSODLQT&(PSOCPXC)&(PSODLESM) I PSOCPXF&(PSOCPXC) K PSODAILY ...D:PSOCPXC HD D COMPLEX^PSODOSUT Q ; HD ; I PSODLQT!(((\$Y+5)'>IOSL) Q N DIR,DTOUT,DUOUT,DIRUT,DIROUT,X,Y W ! K DIR,Y S DIR(0)="E",DIR("A")="Press Return to continue,'^' to exit" D ^DIR K DIR I 'Y S PSODLQT=1 Q W @IOF W ! Q MSG ;Write out System error heading I 'PSODLQT D HD W "Dosing Checks could not be performed:",! Q </pre>
Modified Logic (Changes are in bold)	

6.2.12.1.2.21 PSODOSUN

Routine Name	PSODOSUN		
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change		
Requirement Traceability Matrix	CR1006		
Related Options	Patient Prescription Processing [PSO LM BACKDOOR ORDERS] Complete Orders from OERR [PSO LMOE FINISH] View Prescriptions [PSO VIEW] Edit Prescriptions [PSO RXEDIT]		
Related Routines	Routines “Called By”	Routines “Called”	
	PSODOSUT	PSODOSU2, PSS50	
Data Dictionary (DD) References			
Related Protocols			
Related Integration Control Registrations (ICRs)	N/A		
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local		
Input Attribute Name and Definition	Name: Definition:		
Output Attribute Name and Definition	Name: Definition:		
Current Logic			
PSODOSUN ;BIR/RTR - Dose Check Utility routine ;11/18/08 ; ;7.0;OUTPATIENT PHARMACY;**251,379**; DOSE() ;Write Dose output for renew, finish, copy, etc. N PSODLINS,PSODLINR,PSODLERA,PSODLERB,PSODLERF,PSODLERZ,PSODLPL,PSODLP1,PSODLMSG,PSODLFLG,PSODLALZ,DIR,DUOUT,DTOUT,DIROUT,DIRUT,X,Y,X1,PSODLNN1,PSODLERR,PSODLERX,PSODLQT,PSOCPXG,PSOCPXRR,PSODLEXR,PSODELNX,PSODLECT S (PSODLERF,PSODLERZ,PSODLALZ,PSODLINS,PSODLINR,PSODLERR,PSODLQT,PSOCPXG)=0 W @IOF I \$P(\$G(^TMP(\$J,"PSOPDOSN","OUT",0)),"^")=-1 D S PSODLFLG=0,PSODLERR=1 G END .D HD N X,DIWL,DIWR,DIWF,PSODELXR,PSODELXF D MMSG .S X="Reason: " _\$P(^TMP(\$J,"PSOPDOSN","OUT",0),"^",2),DIWL=1,DIWR=76 K ^UTILITY(\$J,"W") D ^DIWP .S PSODELXF=0 F PSODELXR=0:0 S PSODELXR=\$O(^UTILITY(\$J,"W",DIWL,PSODELXR)) O:'PSODELXR			

```

D HD W:PSODELXF&('PSODLQT) ! D HD W:'PSODLQT "    "_$G(^UTILITY($J,"W",DIWL,PSODELXR,0)) S
PSODELXF=1
    .K ^UTILITY($J,"W")
    ;PSOCPXB = Number of Dosing Seq
    S PSODLQT=0 K PSOCPXRR
    D DOSE^PSODOSU2
END
    ;
    I $G(PSORX("DFLG")) Q 0
    I 'PSODLALZ,'$G(PSODLFLG),'PSODLERR Q 0
    I 'PSODLFLG W !
    K PSODAILY,DIR,Y,PSODOSEX
    I $D(^XUSEC("PSORPH",DUZ)) D    I Y'=1!($D(DTOUT))!($D(DUOUT)) S PSODOSEX=1
S:$G(PSOREINS) PSOQUIT=1 Q 1
    .S DIR("B")="Y",DIR(0)="Y",DIR("A")="Do you want to Continue" D ^DIR K DIR
    ;K PSODAILY,DIR,Y S DIR("B")="Y",DIR(0)="Y",DIR("A")="Do you want to Continue" D ^DIR K
DIR
    ;I Y'=1!($D(DTOUT))!($D(DUOUT)) Q 1
    I '$G(PSODLINS)&'$G(PSODLINR) Q 0
    I '$D(^XUSEC("PSORPH",DUZ)) Q 2_"^"_$$EVAL(PSODLINS,PSODLINR)
    W !,"Do you want to Process medication",! K DIR,Y S DIR("B")="P",DIR(0)="SA^1:PROCESS
MEDICATION;0:CANCEL MEDICATION"
    S DIR("A")=$$GETGN^PSODOSUN(PSODRUG("IEN"))_": " K ^TMP($J,"PSODOSUN GN")
    ;S DIR("A")=$P($G(^PSDRUG(PSODRUG("IEN"),0)),"^")_": "
    S DIR("?",1)="Enter '1' or 'P' to Process Medication",DIR("?",2)="enter '0' or 'C' to
Cancel Medication"
    D ^DIR K DIR
    I Y=0 Q 3_"^"_$$($G(PSODLINS)&($G(PSODLINR)):"MAX SINGLE DOSE & DAILY DOSE
RANGE",$G(PSODLINS):"MAX SINGLE DOSE",$G(PSODLINR):"DAILY DOSE RANGE",1:"UNKNOWN") ;need to know
if user cancelled or not
    K PSODOSEX I Y'=1!($D(DTOUT))!($D(DUOUT)) S PSODOSEX=1 Q 1
    D SIG^XUSESIG I $G(X1)=" Q 1
END2
    ;
    Q 2_"^"_$$($G(PSODLINS)&($G(PSODLINR)):"MAX SINGLE DOSE & DAILY DOSE
RANGE",$G(PSODLINS):"MAX SINGLE DOSE",$G(PSODLINR):"DAILY DOSE RANGE",1:"UNKNOWN")
    ;
EVAL(PSODLINS,PSODLINR) ;
    Q $$($G(PSODLINS)&($G(PSODLINR)):"MAX SINGLE DOSE & DAILY DOSE RANGE",$
G(PSODLINS):"MAX SINGLE DOSE",$G(PSODLINR):"DAILY DOSE RANGE",1:"UNKNOWN")
    ;
DOSEX(PSODLXNT) ;Write Dose exceptions for order entry/edit
    N PSODLINS,PSODLINR,PSODLERA,PSODLERB,PSODLERF,PSODLERZ,PSODLPL,PSODLP1
,PSODLMSG,PSODLFLG,PSODLALZ,DIR,DUOUT,DTOUT,DIROUT,DIRUT,X,Y,X1,PSODLNN1,PSODLER
R,PSODLERX,PSODLQT,PSODELNX
    W @IOF S (PSODLERF,PSODLERZ,PSODLALZ,PSODLINS,PSODLINR,PSODLERR,PSODLQT)=0
    I $P($G(^TMP($J,"PSOPDOSN","OUT",0)),"^")=-1 D S PSODLFLG=0,PSODLERR=1
G ENDX
    .D HD N X,DIWL,DIWR,DIWF,PSODELXR,PSODELXF D MESSG
    .S X="Reason: " _$P(^TMP($J,"PSOPDOSN","OUT",0)),"^",2,DIWL=1,DIWR=76 K ^UTILITY($J,"W")
D ^DIWP
    .S PSODELXF=0 F PSODELXR=0:0 S PSODELXR=$O(^UTILITY($J,"W",DIWL,PSODELXR)) Q:'PSODELXR
D HD W:PSODELXF&('PSODLQT) ! D HD W:'PSODLQT "    "_$G(^UTILITY($J,"W",DIWL,PSODELXR,0)) S
PSODELXF=1
    .K ^UTILITY($J,"W")
    D DOSEX^PSODOSU2
ENDX
    ;
    I $G(PSORX("DFLG")) Q 0
    K PSOCPXRR
    I 'PSODLALZ,'$G(PSODLFLG),'PSODLERR Q 0
    I 'PSODLFLG W !
    I '$D(^XUSEC("PSORPH",DUZ)),$G(PSODLINS)!($G(PSODLINR)) Q 2_"^"_$$EVAL
(PSODLINS,PSODLINR)
    Q:$G(PSOCPXV) 0
    I $G(PSODLBD4)&'$G(PSODLINS)&'$G(PSODLINR) S Y=1 G ENDX2
    K DIR,Y I $D(^XUSEC("PSORPH",DUZ)) S DIR("B")="Y",DIR(0)="Y",DIR("A")="Do you want to
Continue" D ^DIR K DIR
ENDX2
    ;
    K PSODOSEX I Y'=1!($D(DTOUT))!($D(DUOUT)) S PSODOSEX=1 S:$G(PSOREINS) P
SOQUIT=1 Q 1
    W !
    Q 0
DOSEZ() ;Write Dose output summary for complex orders

```

```

N PSOCPXF,PSOCPXC,PSOCPXRR,PSOCPXG,PSODLESM,PSODELNX,PSOCPXH
N PSODLINS,PSODLINR,PSODLERA,PSODLERB,PSODLERF,PSODLERZ,PSODLPL,PSODLP1
,PSODLMSG,PSODLFLG,PSODLALZ,DIR,DUOUT,DTOUT,DIROUT,DIRUT,X,Y,X1,PSODLNN1,PSODLER
R,PSODLERX,PSODLQT,PSODLEXR,PSODLECT
I '$G(PSOTOF) W @IOF
S (PSODLERF,PSODLERZ,PSODLALZ,PSODLINS,PSODLINR,PSODLERR,PSOCPXF,PSOCPX
C,PSODLQT,PSOCPXH)=0
I PSOCPXB>3 S PSOCPXC=1
I $P($G(^TMP($J,"PSOPDOSN","OUT",0)),^")=-1 S PSODLQT=1 D S PSODLFLG=0,PSODLERR=1 G
ENDZ
.D:PSOCPXC HD W:'PSODLQT&(PSOCPXC) !! N X,DIWL,DIWR,DIWF,PSODELXR,PSODELXF D MSG
.S X="Reason: " _$P(^TMP($J,"PSOPDOSN","OUT",0),^",2),DIWL=1,DIWR=76 K ^UTILITY($J,"W")
D ^DIWF
.S PSODELXF=0 F PSODELXR=0:0 S PSODELXR=$O(^UTILITY($J,"W",DIWL,PSODELXR)) Q:'PSODELXR
D:PSOCPXC HD W:PSODELXF&('PSODLQT)&(PSOCPXC) ! D:PSOCPXC HD W:'PSODLQT&(PSOCPXC) "
"_$G(^UTILITY($J,"W",DIWL,PSODELXR,0)) S PSODELXF=1
.K ^UTILITY($J,"W")
D DOSEZ^PSODOSU2
ENDZ
;
K PSODAILY I 'PSODLALZ,'$G(PSODLFLG),'PSODLERR Q 0
I 'PSODLFLG W !
I '$G(PSODLINS)&('$G(PSODLINR)) Q 0
K DIR,Y S DIR("B")="Y",DIR(0)="Y",DIR("A")="Do you want to Continue" D
^DIR K DIR
I Y'=1!($D(DTOUT))!($D(DUOUT)) Q 1
I '$D(^XUSEC("PSORPH",DUZ)), $G(PSODLINS)!($G(PSODLINR)) Q 2_"^"_$EVAL
(PSODLINS,PSODLINR)
;G ENDZ2:$G(PSORX("EDIT"))!$G(PSOCKCON)!$G(PSOEDDOS)!($G(PSOCOPY)&$G(PSODLBD4))
G ENDZ2:$G(PSORX("EDIT"))!($G(PSORXED)&$G(PSOEDDOS))!($G(PSOCOPY)&$G(PSODLBD4))
W !!,"Do you want to Process medication",! K DIR,Y S DIR("B")="P",DIR(0
)="SA^1:PROCESS MEDICATION;0:CANCEL MEDICATION"
S DIR("A")=$$GETGN^PSODOSUN(PSODRUG("IEN"))_": " K ^TMP($J,"PSODOSUN GN")
;S DIR("A")=$P($G(^PSDRUG(PSODRUG("IEN"),0)),^")_": "
S DIR("?",1)="Enter '1' or 'P' to Process Medication",DIR("?",2)="enter '0' or 'C' to
Cancel Medication"
D ^DIR K DIR,PSODOSEX
I Y'=1!($D(DTOUT))!($D(DUOUT)) S PSODOSEX=1 Q 1
D SIG^XUSESIG I $G(X1)=" " Q 1
ENDZ2
;
I $G(PSORX("DFLG")) Q 0
Q 2_"^"_$S($G(PSODLINS)&($G(PSODLINR)):"MAX SINGLE DOSE & DAILY DOSE
RANGE",$G(PSODLINS):"MAX SINGLE DOSE",$G(PSODLINR):"DAILY DOSE RANGE",1:"UNKNOWN")
HD
;
I PSODLQT!((SY+5)'>IOSL) Q
N DIR,DTOUT,DUOUT,DIRUT,DIROUT,X,Y
I $D(^XUSEC("PSORPH",DUZ)) D I Y'=1!($D(DTOUT))!($D(DUOUT)) S PSODOSE
X=1 S:$G(PSOREINS) PSOQUIT=1,PSORX("DFLG")=1 Q 1
.K DIR,Y S DIR("B")="Y",DIR(0)="Y",DIR("A")="Do you want to Continue" D ^DIR K DIR
;W ! K DIR,Y S DIR(0)="E",DIR("A")="Press Return to continue,'^' to exit" D ^DIR K DIR I
'Y S PSODLQT=1 Q
W @IOF W !
Q
MSG
;Write out System error heading
I 'PSODLQT D HD W "Dosing Checks could not be performed:",!
Q
GETGN(PSODRIEN) ;get generic name
K ^TMP($J,"PSODOSUN GN")
D DATA^PSS50(PSODRIEN,,,,,"PSODOSUN GN")
Q $$($D(^TMP($J,"PSODOSUN GN",PSODRIEN,.01)):^TMP($J,"PSODOSUN GN",PSOD
RIEN,.01),1:"")
;

```

Modified Logic (Changes are in bold)

6.2.12.1.2.22 PSODRG

Routine Name	PSODRG		
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change		
Requirement Traceability Matrix	CR1006		
Related Options	Patient Prescription Processing [PSO LM BACKDOOR ORDERS] Complete Orders from OERR [PSO LMOE FINISH] View Prescriptions [PSO VIEW] Edit Prescriptions [PSO RXEDIT]		
Related Routines	Routines "Called By"	Routines "Called"	
	PSOBKDED, PSOBORP0, PSOCAN2, PSODIR1, PSOONW1, PSORNEW, PSORNE1, PSORNE2, PSORNE3, PSOVER1, PSODDPR5, PSONEW1, PSONEW2, PSOORED2, PSORED6, PSORED7, PSORED7, PSOREN0, PSSDIUTL	OROCAPI, PSOBPSUT, PSOBUILD, PSODDPR5, PSODGAL1, PSODIR1, PSSDIN, PSSHRQ2, PSSNDCUT	
Data Dictionary (DD) References			
Related Protocols			
Related Integration Control Registrations (ICRs)	;Reference ^PSDRUG supported by DBIA 221 ;Reference ^PS(50.7 supported by DBIA 2223 ;Reference to PSSDIN supported by DBIA 3166 ;Reference to \$\$NDCFMT^PSSNDCUT supported by IA 4707 ;Reference to OROCAPI controlled subscription supported by IA 5367 ;Reference to \$\$OITM^ORX8 supported by IA 5469 ;Reference to ^VADPT supported by IA 10061 ;Reference to IN^PSSHRQ2 supported by DBIA 5369		
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local		
Input Attribute Name and Definition	Name: Definition:		
Output Attribute Name and Definition	Name: Definition:		
Current Logic			
<pre> PSODRG ;IHS/DSD/JCM - ORDER ENTRY DRUG SELECTION ; 2/16/12 12:50pm ; ;7.0;OUTPATIENT PHARMACY;**20,23,36,53,54,46,112,139,207,148,243,268,324, 251,375,387,398,390**;DEC 1997;Build 86 ;Reference ^PSDRUG supported by DBIA 221 ;Reference ^PS(50.7 supported by DBIA 2223 ;Reference to PSSDIN supported by DBIA 3166 ;Reference to \$\$NDCFMT^PSSNDCUT supported by IA 4707 ;Reference to OROCAPI controlled subscription supported by IA 5367 ;Reference to \$\$OITM^ORX8 supported by IA 5469 ;Reference to ^VADPT supported by IA 10061 ;Reference to IN^PSSHRQ2 supported by DBIA 5369 ;----- START ; S (PSONEW("DFLG"),PSONEW("FIELD"),PSODRG("QFLG"))=0 K PSORX("DFLG") D @(\$S(+\$G(PSOEDIT)=1&(' \$D(DA)): "SELECT^PSODRGN",1: "SELECT")) G:\$G(PSORXED("DFLG")) END ; Select Drug I \$G(PSORX("EDIT")), \$G(PSOY), \$G(PSODRUG("IEN"))=+PSOY D G:\$G(PSORXED("DFLG")) END </pre>			

```

. N NDC D NDC(+$(PSORXED("IRXN")),0,+PSOY,.NDC) I $(NDC)="^" S PSORXED("DFLG")=1 Q
. I $(NDC)'="" S (PSODRUG("NDC"),PSORXED("FLD",27))=NDC
;
I $(PSORX("EDIT"))]"",PSONEW("FIELD") D TRADE
G:$(PSONEW("DFLG"))!$(PSODRG("QFLG"))!$(PSORXED("DFLG")) END
D SET ; Set various drug information
D NFI ; Display dispense drug/orderable item text
D:'$(PSOEDIT) POST I $(PSORX("DFLG")) S PSONEW("DFLG")=1 K:'$(PSORX("EDIT"))
PSORX("DFLG") ; Do any post selection action
END ;D EOJ
Q
;-----
;
SELECT ;
K IT,DIC,X,Y,PSODRUG("TRADE NAME"),PSODRUG("NDC"),PSODRUG("DAW"),PSODRUG("BAD")
S:$(POERR)&($P($G(OR0),"^",9)) Y=$P(^PSDRUG($P(OR0,"^",9),0),"^")
I $(PSODRUG("IEN"))]" " S Y=PSODRUG("NAME"),PSONEW("OLD VAL")=PSODRUG("IEN")
W !,"DRUG: "_$S($G(Y))":Y_/"",1:"" R X:$S($D(DTIME):DTIME,1:300) I 'T S DTOUT=1
I X="",$G(Y)]" S:Y X=Y S:'X X=$(PSODRUG("IEN")) S:X X="`"_X
G:X="" SELECT
I X?1."?" W !,"Answer with DRUG NUMBER, or GENERIC NAME, or VA PRODUCT NAME,
or",!,"NATIONAL DRUG CLASS, or SYNONYM" G SELECT
I $(PSORXED),X["^" S PSORXED("DFLG")=1 G SELECTX
I X="^"! (X["^^")!($D(DTOUT)) S PSONEW("DFLG")=1 G SELECTX
I '$G(POERR),X[U,$L(X)>1 S PSODIR("FLD")=PSONEW("FLD") D JUMP^PSODIR1
S:$(PSODIR("FIELD")) PSONEW("FIELD")=PSODIR("FIELD") K PSODIR S PSODRG("QFLG")=1
G SELECTX
S DIC=50,DIC(0)="EMQZVT",DIC("T")=" ",D="B^C^VAPN^VAC"
S DIC("S")="I $S($D(^PSDRUG(+Y,"^I"))):1,'^("I")":1,DT'>^("I")":1,1:
0),$S($P($G(^PSDRUG(+Y,2)),"^^",3))["O":0,1:1],$D(^PSDRUG("ASP",+$G(^2),+Y))"
D MIX^DIC1 K DIC,D
I $D(DTOUT) S PSONEW("DFLG")=1 G SELECTX
I $D(DUOUT) K DUOUT G SELECT
I Y<0 G SELECT
S:$(PSONEW("OLD VAL"))=+Y&('$(PSOEDIT)) PSODRG("QFLG")=1
K PSOY S PSOY=Y,PSOY(0)=Y(0)
I $P(PSOY(0),"^")="OTHER DRUG"!($P(PSOY(0),"^")="OUTSIDE DRUG") D TRADE
SELECTX K X,Y,DTOUT,DUOUT,PSONEW("OLD VAL")
Q
;
NDC(RX,RFL,DRG,NDC) ; Editing NDC for ECME Released Rx's
S NDC=$S($G(NDC)'="":$G(NDC),1:$GETNDC^PSONDCUT(RX,.RFL))
I $$STATUS^PSOBPSUT(RX,RFL)=" " Q
I '$$RXRLDT^PSOBPSUT(RX,RFL) Q
;
S NDC=$S($G(NDC)'="":$G(NDC),1:$GETNDC^PSONDCUT(RX,.RFL))
D NDCEDT^PSONDCUT(RX,.RFL,$G(DRG),$G(PSOSITE),.NDC)
Q
;
TRADE ;
K DIR,DIC,DA,X,Y
S DIR(0)="52,6.5" S:$(PSOTRN)]" DIR("B")=$(PSOTRN) D ^DIR K DIR,DIC
I X="@ " S Y=X K DIRUT
I $D(DIRUT) S:$D(DUOUT)!$D(DTOUT)&('$(PSORX("EDIT")) PSONEW("DFLG")=1
G TRADEX
S PSODRUG("TRADE NAME")=Y
TRADEX I $(PSORXED("DFLG")), $D(DIRUT) S PSORXED("DFLG")=1
K DIRUT,DTOUT,DUOUT,X,Y,DA,DR,DIE
Q
;
SET ;
N STAT S PSODRUG("IEN")=+PSOY,PSODRUG("VA CLASS")=$P(PSOY(0),"^",2)
S PSODRUG("NAME")=$P(PSOY(0),"^")
S:+$G(^PSDRUG(+PSOY,2)) PSODRUG("OI")=+$G(^2),PSODRUG("OIN")=$P(^PS(5
0.7,+$(^2),0),"^")
S PSODRUG("NDF")=$S($G(^PSDRUG(+PSOY,"ND"))]"":+^("ND")_A_$P(^("ND"),"^",3),1:0)
S PSODRUG("MAXDOSE")=$P(PSOY(0),"^",4),PSODRUG("DEA")=$P(PSOY(0),"^",3)
S PSODRUG("CLN")=$S($D(^PSDRUG(+PSOY,"ND")):+$P(^("ND"),"^",6),1:0)
S PSODRUG("SIG")=$P(PSOY(0),"^",5)
I $(PSODRUG("NDC"))=" " S PSODRUG("NDC")=$GETNDC^PSSNDCUT(+PSOY,$G(PSOSITE))
S PSODRUG("DAW")=+$GET1^DIQ(50,+PSOY,81)

```

```

S PSODRUG("STKLVL")=$G(^PSDRUG(+PSOY,660.1))
G:$G(^PSDRUG(+PSOY,660))']" SETX
S PSOX1=$G(^PSDRUG(+PSOY,660))
S PSODRUG("COST")=$P($G(PSOX1),"^",6)
S PSODRUG("UNIT")=$P($G(PSOX1),"^",8)
S PSODRUG("EXPIRATION DATE")=$P($G(PSOX1),"^",9)
SETX K PSOX1,PSOY
Q
NFI ;display restriction/guidelines
D EN^PSSDIN(PSODRUG("OI"),PSODRUG("IEN")) S NFI=$$PROMPT^PSSDIN
I NFI]"", "ODY"[NFI D TD^PSONFI
K NFI Q
POST ;order checks
N LIST S LIST="PSOPEPS"
K PSODOSD,^TMP("PSORXDC",$J),^TMP($J,LIST)
K ZDGDG,ZTHER,IT,PSODLQT,PSODOSD
S ^TMP($J,LIST,"IN","PING")="" D IN^PSSHRQ2(LIST)
K DIR I $P(^TMP($J,LIST,"OUT",0),"^")=-1 D DATAK^PSODDPRE
K ^TMP($J,LIST,"IN"),^TMP($J,LIST,"OUT","EXCEPTIONS")
G:$G(PSORX("DFLG"))!($G(PSORXED("DFLG"))) POSTX
K PSORX("INTERVENE") N STAT,SIG,PTR,NDF,VAP S PSORX("DFLG")=0
W !! D HD^PSODDPR2():(($Y+5)'>IOSL)
D ^PSOBUILD
D:'$D(PSODGCK) @$S($G(COPY):"^PSOCPPRE",1:"^PSODDPRE") ; Duplicate drug check
G:$G(PSORX("DFLG")) POSTX
D HD^PSODDPR2():(($Y+5)'>IOSL)
I $P($G(^PSDRUG(PSODRUG("IEN"),"CLOZ1")),"^")="PSOCLO1" W !,"Now doing Clozapine Order
checks. Please wait..."! D CLOZ
G:PSORX("DFLG") POSTX
D HD^PSODDPR2():(($Y+5)'>IOSL)
W !,"Now doing allergy checks. Please wait..."!
S PSONOAL="" D ALLERGY^PSOORUT2 D:PSONOAL'="" NOALRGY K PSONOAL
D HD^PSODDPR2():(($Y+5)'>IOSL)
G:PSORX("DFLG") POSTX
I '$D(PSODGCKX) D ^PSODGAL1 K PSORX("INTERVENE")
;This is the allergy check for profile drugs
I $D(PSODGCK),$D(PSODS) D PRFLP^PSOUTL
;aminoglycoside
N AOC
D HD^PSODDPR2():(($Y+5)'>IOSL)
S AOC=$$AOC^OROCAPI(PSODFN,$P(PSODRUG("NDF"),"A",2)) I $P(AOC,"^",4)]" D
.W !,"***Aminoglycoside Ordered***",!!
.K ^UTILITY($J,"W") S DIWL=1,DIWR=78,DIWF="" S X=$P(AOC,"^",4) D ^DIWP
.W !! F ZX=0:0 S ZX=$O(^UTILITY($J,"W",1,ZX)) Q:'ZX W ?2,^UTILITY($J,"W",1,ZX,0),! D
HD^PSODDPR2():(($Y+5)'>IOSL)
.K ^UTILITY($J,"W")
D HD^PSODDPR2():(($Y+5)'>IOSL)
;dangerous meds for pat >64
I $G(PSODRUG("OI")) D
.N OI,OIR S OI=$$OITM^ORX8(PSODRUG("OI"),"99PSP") Q:'OI
.S OIR=$$DOC^OROCAPI(PSODFN,OI) I $P(OIR,"^",4)]" D
..D HD^PSODDPR2():(($Y+5)'>IOSL) W !,"***Dangerous Meds for Patient >64***",!! S
DFN=PSODFN D DEM^VADPT
..K ^UTILITY($J,"W") S DIWL=1,DIWR=78,DIWF="" S X=$P(OIR,"^",4) D ^DIWP
..F ZX=0:0 S ZX=$O(^UTILITY($J,"W",1,ZX)) Q:'ZX W ?2,^UTILITY($J,"W",1,ZX,0),! D
HD^PSODDPR2():(($Y+5)'>IOSL)
.K ^UTILITY($J,"W")
D HD^PSODDPR2():(($Y+5)'>IOSL)
;metformin lab results
N GOC S GOC=$$GOC^OROCAPI(PSODFN,PSODRUG("NAME")) I $P(GOC,"^",4)]" D
.W !,"***Metformin Lab Results***",!!
.K ^UTILITY($J,"W") S DIWL=1,DIWR=78,DIWF="" S X=$P(GOC,"^",4) D ^DIWP
..F ZX=0:0 S ZX=$O(^UTILITY($J,"W",1,ZX)) Q:'ZX W ?2,^UTILITY($J,"W",1,ZX,0),! D
HD^PSODDPR2():(($Y+5)'>IOSL)
.K ^UTILITY($J,"W")
D HD^PSODDPR2():(($Y+5)'>IOSL)
K DIWF,DIWL,DIWR,ZX,DFN
I $G(PSODRUG("DEA"))["S"!($E($G(PSODRUG("VA CLASS")),1,2)="XA") D G POSTX ;stops if
drug is supply
.W !,"Now Processing Enhanced Order Checks! Please wait..."! H 1
;enhanced OC

```



```

D HD^PSODDPR2():(($Y+5)'>IOSL)
W ! D @$S($G(COPY):"OBX^PSOCPPRE",1:"OBX^PSODDPRE") ; Set PSORX("DFLG")=1 if process to
stop new enhanced order checks
POSTX ;
K IT,^TMP($J,"DI"),PSORX("INTERVENE"),DA,^TMP($J,"PSODRDI"),ZDGDG,ZTHER K
^TMP($J,"DI"_PSODFN),PSZZQUIT
Q
;
EOJ ;
K PSODRG
Q
WAIT ;
K DIR S DIR(0)="E",DIR("?")="Press Return to continue",DIR("A")="Press Return to
continue..." W !
D ^DIR K DIRUT,DUOUT,DIR,X,Y
Q
;
CLOZ ;
S ANQRTN=$P(^PSDRUG(PSODRUG("IEN"),"CLOZ1"),"^"),ANQX=0
S P(5)=PSODRUG("IEN"),DFN=PSODFN,X=ANQRTN
X ^%ZOSF("TEST") I D @("^_ANQRTN) S:$G(ANQX) PSORX("DFLG")=1
K P(5),ANQRTN,ANQX,X,DFN
Q
;
EN(DRG) ;returns lab test identified for clozapine order checking
K LAB I $P($G(^PSDRUG(DRG,"CLOZ1"),"^")'="PSOCL01" S LAB("NOT")=0 Q
I $P($G(^PSDRUG(DRG,"CLOZ1"),"^")'="PSOCL01" D
.S (CNT,I)=0 F S I=$O(^PSDRUG(DRG,"CLOZ2",I)) Q:'I S CNT=$G(CNT)+1
.I CNT'=2 S LAB("BAD TEST")=0 K CNT Q
.K CNT F I=0:0 S I=$O(^PSDRUG(DRG,"CLOZ2",I)) Q:'I D
..S LABT=$S($P(^PSDRUG(DRG,"CLOZ2",I,0),"^",4)=1:"WBC",1:"ANC"),LAB(LAB
T)=$P(^PSDRUG(DRG,"CLOZ2",I,0),"^")_"^"_$P(^0,"^",3)_"^"_$P(^0,"^",4)
K LABT,I
Q
NOALRGY ;
D HD^PSODDPR2():(($Y+5)'>IOSL)
N DIR S DIR(0)="SA^1:YES;0:NO"
I $D(^TMP($J,"PSOINTERVENE",+PSODFN)) D Q
.S DIR("A")="No Allergy Assessment - Do you want to duplicate Intervention?:
",DIR("B")="Yes"
.D ^DIR
.I 'Y D Q
..I Y=0 D ^PSORXI Q
..S PSORX("DFLG")=1
.D DUPIINV^PSORXI
W $C(7),!,"There is no allergy assessment on file for this patient."
W !,"You will be prompted to intervene if you continue with this prescription"
I $D(PSODGCK) W ! K DIR S DIR(0)="E",DIR("A")="Press Return to Continue..." D ^DIR K DIR
Q:$D(PSODGCK)
N DUOUT,DTOUT,RXIEN,RXSTA ;*398
S DIR("A")="Do you want to Continue?: ",DIR("B")="N" D ^DIR
I 'Y!($D(DUOUT))!($D(DTOUT)) D Q ;*398 - Exit/Timeout
.I $D(PSONV) S PSZZQUIT=1 Q
.S PSORX("DFLG")=1
.I '$O(PSCAN(0)) Q ;*398 - Array has Rx IEN
.I $G(REA)'="R" Q ;*398 - Reinstate only
.S RXIEN=+$G(PSCAN(RX)) I 'RXIEN Q ;*398 - Get Rx IEN
.S RXSTA=$$GET1^DIQ(52,RXIEN,100,"I") ;*398 - Get status
.I RXSTA=12 Q ;*398 - Correct status
.S DIE="^PSRX(",DA=RXIEN,DR="100//12" ;*398 - Discontinued
.D ^DIE ;*398 - Update Rx file
I $D(PSONV) S PSORX("INTERVENE")=0 D EN1^PSORXI(PSONV) Q
D ^PSORXI
Q

```

Modified Logic (Changes are in bold)

6.2.12.1.2.23 PSONEWO1

Routine Name	PSONEWO1		
Enhancement Category	<input checked="" type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change		
Requirement Traceability Matrix	CR1006		
Related Options	Patient Prescription Processing [PSO LM BACKDOOR ORDERS] Complete Orders from OERR [PSO LMOE FINISH] View Prescriptions [PSO VIEW] Edit Prescriptions [PSO RXEDIT]		
Related Routines	Routines "Called By"	Routines "Called"	
	N/A	N/A	
Data Dictionary (DD) References			
Related Protocols			
Related Integration Control Registrations (ICRs)	;External reference to SAVEOC4^OROCAP11 supported by DBIA 5729 ;External reference to ^ORD(100.05, supported by DBIA 5731		
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local		
Input Attribute Name and Definition	N/A		
Output Attribute Name and Definition	N/A		
Current Logic			
N/A			
Modified Logic (Changes are in bold)			
<pre> PSONEWO1 ;BIR/SAB-STORES BACKDOOR ORDER CHECKS IN FILE #100.05 con't ; 29 Mar 2013 7:45 PM ; ;7.0;OUTPATIENT PHARMACY;**412**;DEC 1997;Build 37 ;External reference to SAVEOC4^OROCAP11 supported by DBIA 5729 ;External reference to ^ORD(100.05, supported by DBIA 5731 ; CLOZ ;store clozapine D LBL^PSONEWOC N DA,OCCDT,ORN,ORL,Z,RET S OCCDT=\$\$NOW^XLFDT,ORN=\$P(^PSRX(RXN,"OR1"),"^",2) S ORL(1,1)=ORN_"^"_PSODAO_"^"_DUZ_"^"_OCCDT_"^19^" S ORL(1,2,1)=\$P(^TMP("PSODAO",\$J,"CLOZ",0),"^",2) D SAVEOC^OROCAP11(.ORL,.RET) S DA=\$O(RET(1,0)) Q:'DA ;S \$P(^ORD(100.05,DA,0),"^",2)=6 ;status ;S \$P(^ORD(100.05,DA,8),"^",2)=\$P(^TMP("PSODAO",\$J,"CLOZ",0),"^") ;S \$P(^ORD(100.05,DA,8),"^",4)="V" S DIE="^ORD(100.05,"DR="1///6;82///"_\$P(^TMP("PSODAO",\$J,"CLOZ",0),"^")_" ;84///V" D ^DIE Q ; CPRS N XZX,ZORMSG,ZDRG F XZX=0:0 S XZX=\$O(^TMP("PSODAO",\$J,"CPRS",XZX)) Q:'XZX D CPRSA K ^TMP("PSODAO",\$J,"CPRS") Q CPRSA N DA,OCCDT,ORN,ORL,ZDRG,Z,RET S OCCDT=\$\$NOW^XLFDT,ORN=\$P(^PSRX(RXN,"OR1"),"^",2) S ZDRG=\$P(^TMP("PSODAO",\$J,"CPRS",XZX,0),"^"),ZORMSG=\$P(^(),"^",2) D LBL^PSONEWOC S ORL(1,1)=ORN_"^"_PSODAO_"^"_DUZ_"^"_OCCDT_"^"_XZX_"^" S ORL(1,2,1)=ZORMSG D SAVEOC^OROCAP11(.ORL,.RET) S DA=\$O(RET(1,0)) Q:'DA </pre>			

```

;S $P(^ORD(100.05,DA,0),"^",2)=6 ;status
;S $P(^ORD(100.05,DA,8),"^",4)="V"
S DIE="^ORD(100.05,"DR="1//6;84//V" D ^DIE
;S ^ORD(100.05,DA,5,1,0)=ZDRG,^ORD(100.05,DA,5,"B",ZDRG,1)="",^ORD(100.
05,DA,5,0)="^100.06PA^1^1"
;S ^ORD(100.05,DA,6,1,0)=RXN_";PSRX(",^ORD(100.05,DA,6,"B",RXN_";PSRX(
,1)="",^ORD(100.05,DA,6,0)="^100.07^1^1"
D
.N DIC
.S DA(1)=DA,X=ZDRG,DIC="^ORD(100.05,"_DA(1)_" ,5," ,DIC(0)="Z"
.D FILE^DICN
.;
D
.N DIC
.S DA(1)=DA,X=RXN_";PSRX(",DIC="^ORD(100.05,"_DA(1)_" ,6," ,DIC(0)="Z"
.D FILE^DICN
Q
NOSYS ;
N DA,OCCTD,ORN,ORL,RET,SEV,ZOC,ZZX,ZTOT,ZDRG,ZORT,ZCHK,RXN
S RXN=ZRXN
S PSODAOC=$S($G(ZZVER):"VERIFIED ",$G(ZFRENEW):"CPRS RENEWAL ",$G(ZZEDIT):"EDIT
",$G(ZZCOPY):"COPY ",$G(PSOREINS):"REINSTATE ",$P(^PSRX(RXN,"STA"),"^")=1:"NON-VERIFIED
",1:"")_"Order Check FDB System Error_OP"
S OCCDT=$$NOW^XLFD,ORN=$P(^PSRX(RXN,"OR1"),"^",2),ZDRG=$P(^PSRX(RXN,0),"^",6)
S ORL(1,1)=ORN_"^"_PSODAOC_"^"_DUZ_"^"_OCCDT_"^25^"
S ORL(1,2,1)=^TMP("PSODAOC",$J,"NOSYS",1,0)
D SAVEOC^OROCAPIL(.ORL,.RET)
S DA=$O(RET(1,0)) Q:'DA
;S $P(^ORD(100.05,DA,8),"^",4)="C"
S DIE="^ORD(100.05,"DR="84//C" D ^DIE
Q
NORDI ;no rdi
N DA,OCCTD,ORN,ORL,RET,SEV,ZOC,ZZX,ZTOT,ZDRG,ZORT,ZCHK
S RXN=ZRXN
S PSODAOC="RDI System Check_OP"
S OCCDT=$$NOW^XLFD,ORN=$P(^PSRX(RXN,"OR1"),"^",2)
S ORL(1,1)=ORN_"^"_PSODAOC_"^"_DUZ_"^"_OCCDT_"^99^"
S ORL(1,2,1)=^TMP("PSODAOC",$J,"NORDI",1,0)
D SAVEOC^OROCAPIL(.ORL,.RET)
S DA=$O(RET(1,0)) Q:'DA
;S $P(^ORD(100.05,DA,8),"^",4)="V"
S DIE="^ORD(100.05,"DR="84//V" D ^DIE
Q
EXEC ;order chk exeception
N DA,OCCTD,ORN,ORL,RET,SEV,ZOC,ZZX,ZTOT,ZDRG,ZORT,ZCHK
F ZOC=0:0 S ZOC=$O(^TMP("PSODAOC",$J,"EXEC",ZOC)) Q:'ZOC D
.S OCCDT=$$NOW^XLFD,ORN=$P(^PSRX(RXN,"OR1"),"^",2)
.S RXN=ZRXN
.S PSODAOC=$S($G(ZZVER):"VERIFIED ",$G(ZFRENEW):"CPRS RENEWAL ",$G(ZZEDIT):"EDIT
",$G(ZZCOPY):"COPY ",$G(PSOREINS):"REINSTATE ",$P(^PSRX(RXN,"STA"),"^")=1:"NON-VERIFIED
",1:"")_"Order Check Exeception_OP"
.S ORL(1,1)=ORN_"^"_PSODAOC_"^"_DUZ_"^"_OCCDT_"^25^"
.S ORL(1,2,1)=^TMP("PSODAOC",$J,"EXEC",ZOC)
.D SAVEOC^OROCAPIL(.ORL,.RET)
.S DA=$O(RET(1,0)) Q:'DA
;S $P(^ORD(100.05,DA,8),"^",4)="C"
.S DIE="^ORD(100.05,"DR="84//C" D ^DIE
Q
ERROR ;order drug chk errors
N DA,OCCTD,ORN,ORL,RET,SEV,ZOC,ZZX,ZTOT,ZDRG,ZORT,ZCHK
F ZOC=0:0 S ZOC=$O(^TMP("PSODAOC",$J,"DRG","ERROR",ZOC)) Q:'ZOC D
.S OCCDT=$$NOW^XLFD,ORN=$P(^PSRX(RXN,"OR1"),"^",2)
.S RXN=ZRXN
.S PSODAOC=$S($G(ZZVER):"VERIFIED ",$G(ZFRENEW):"CPRS RENEWAL ",$G(ZZEDIT):"EDIT
",$G(ZZCOPY):"COPY ",$G(PSOREINS):"REINSTATE ",$P(^PSRX(RXN,"STA"),"^")=1:"NON-VERIFIED
",1:"")_"Order Check Drug Interaction_OP"
.S ORL(1,1)=ORN_"^"_PSODAOC_"^"_DUZ_"^"_OCCDT_"^25^"
.S ORL(1,2,1)=^TMP("PSODAOC",$J,"DRG","ERROR",ZOC)
.D SAVEOC^OROCAPIL(.ORL,.RET)
.S DA=$O(RET(1,0)) Q:'DA
;S $P(^ORD(100.05,DA,8),"^",4)="C"

```

```

.S DIE="^ORD(100.05,"DR="84//C" D ^DIE
.Q
N DA,OCDDT,ORN,ORL,RET,SEV,ZOC,ZZX,ZTOT,ZDRG,ZORT,ZCHK
F ZOC=0:0 S ZOC=$O(^TMP("PSODAC", $J, "THP", "ERROR", ZOC)) Q: 'ZOC D
.S OCCDT=$NOW^XLFD,ORN=$P(^PSRX(RXN, "OR1"), "^", 2)
.S RXN=ZRXN
.S PSODAC=$S($G(ZZVER):"VERIFIED ", $G(ZFRENEW):"CPRS RENEWAL ", $G(ZZEDIT):"EDIT
", $G(ZZCOPY):"COPY ", $G(PSOREINS):"REINSTATE ", $P(^PSRX(RXN, "STA"), "^")=1:"NON-VERIFIED
", 1:"")_ "Order Check Drug Therapy Error_OP"
.S ORL(1,1)=ORN_"^"_PSODAC_"^"_DUZ_"^"_OCCDT_"^25^"
.S ORL(1,2,1)=^TMP("PSODAC", $J, "THP", "ERROR", ZOC)
.D SAVEOC^OROCAPIL(.ORL,.RET)
.S DA=$O(RET(1,0)) Q: 'DA
.I $P(^ORD(100.05,DA,8), "^", 4)="C"
.S DIE="^ORD(100.05,"DR="84//C" D ^DIE
Q
DERROR ;dosing errors
N DA,OCDDT,ORN,ORL,RET,SEV,ZOC,ZZX,ZTOT,ZDRG,ZORT,ZCHK
.F ZOC=0:0 S ZOC=$O(^TMP("PSODAC", $J, "DOSE", "ERROR", ZOC)) Q: 'ZOC D
S ZOC=" " S ZOC=$O(^TMP("PSODAC", $J, "DOSE", "ERROR", ZOC)) D
.S OCCDT=$NOW^XLFD,ORN=$P(^PSRX(RXN, "OR1"), "^", 2)
.S RXN=ZRXN
.S PSODAC=$S($G(ZZVER):"VERIFIED ", $G(ZFRENEW):"CPRS RENEWAL ", $G(ZZEDIT):"EDIT
", $G(ZZCOPY):"COPY ", $G(PSOREINS):"REINSTATE ", $P(^PSRX(RXN, "STA"), "^")=1:"NON-VERIFIED
", 1:"")_ "Dosing Order Check Error_OP"
.S ORL(1,1)=ORN_"^"_PSODAC_"^"_DUZ_"^"_OCCDT_"^25^"
.S ORL(1,2,1)=^TMP("PSODAC", $J, "DOSE", "ERROR", ZOC)_ " ^TMP("PSODAC"
, $J, "DOSE", "ERROR", $O(^TMP("PSODAC", $J, "DOSE", "ERROR", ZOC)))
.D SAVEOC^OROCAPIL(.ORL,.RET)
.S DA=$O(RET(1,0)) Q: 'DA
.I $P(^ORD(100.05,DA,8), "^", 4)="C"
.S DIE="^ORD(100.05,"DR="84//C" D ^DIE
N DA,OCDDT,ORN,ORL,RET,SEV,ZOC,ZZX,ZTOT,ZDRG,ZORT,ZCHK
Q
DEXEC ;dosing exceptions
N DA,OCDDT,ORN,ORL,RET,SEV,ZOC,ZZX,ZTOT,ZDRG,ZORT,ZCHK
F ZOC=0:0 S ZOC=$O(^TMP("PSODAC", $J, "DOSE", "EXEC", ZOC)) Q: 'ZOC D
.S OCCDT=$NOW^XLFD,ORN=$P(^PSRX(RXN, "OR1"), "^", 2)
.S RXN=ZRXN
.S PSODAC=$S($G(ZZVER):"VERIFIED ", $G(ZFRENEW):"CPRS RENEWAL ", $G(ZZEDIT):"EDIT
", $G(ZZCOPY):"COPY ", $G(PSOREINS):"REINSTATE ", $P(^PSRX(RXN, "STA"), "^")=1:"NON-VERIFIED
", 1:"")_ "Dosing Order Check Exception_OP"
.S ORL(1,1)=ORN_"^"_PSODAC_"^"_DUZ_"^"_OCCDT_"^25^"
.S ORL(1,2,1)=^TMP("PSODAC", $J, "DOSE", "EXEC", ZOC)
.D SAVEOC^OROCAPIL(.ORL,.RET)
.S DA=$O(RET(1,0)) Q: 'DA
.I $P(^ORD(100.05,DA,8), "^", 4)="C"
.S DIE="^ORD(100.05,"DR="84//C" D ^DIE
N DA,OCDDT,ORN,ORL,RET,SEV,ZOC,ZZX,ZTOT,ZDRG,ZORT,ZCHK
Q
DMSG ;dosing messages
N DA,OCDDT,ORN,ORL,RET,SEV,ZOC,ZZX,ZTOT,ZDRG,ZORT,ZCHK
F ZOC=0:0 S ZOC=$O(^TMP("PSODAC", $J, "DOSE", "MSG", ZOC)) Q: 'ZOC D
.S OCCDT=$NOW^XLFD,ORN=$P(^PSRX(RXN, "OR1"), "^", 2)
.S RXN=ZRXN
.S PSODAC=$S($G(ZZVER):"VERIFIED ", $G(ZFRENEW):"CPRS RENEWAL ", $G(ZZEDIT):"EDIT
", $G(ZZCOPY):"COPY ", $G(PSOREINS):"REINSTATE ", $P(^PSRX(RXN, "STA"), "^")=1:"NON-VERIFIED
", 1:"")_ "Dosing Order Check Error_OP"
.S ORL(1,1)=ORN_"^"_PSODAC_"^"_DUZ_"^"_OCCDT_"^34^"
.S ORL(1,2,1)=^TMP("PSODAC", $J, "DOSE", "MSG", ZOC)
.D SAVEOC^OROCAPIL(.ORL,.RET)
.S DA=$O(RET(1,0)) Q: 'DA
.I $P(^ORD(100.05,DA,8), "^", 4)="C"
.S DIE="^ORD(100.05,"DR="84//C" D ^DIE
N DA,OCDDT,ORN,ORL,RET,SEV,ZOC,ZZX,ZTOT,ZDRG,ZORT,ZCHK
Q
NODSYS ;fdb down for dosing check
N DA,OCDDT,ORN,ORL,RET,SEV,ZOC,ZZX,ZTOT,ZDRG,ZORT,ZCHK
S OCCDT=$NOW^XLFD,ORN=$P(^PSRX(RXN, "OR1"), "^", 2), ZDRG=$P(^PSRX(RXN, 0), "^", 6)
S RXN=ZRXN
S PSODAC=$S($G(ZZVER):"VERIFIED ", $G(ZFRENEW):"CPRS RENEWAL ", $G(ZZEDIT):"EDIT

```

```

", $G(ZZCOPY): "COPY ", $G(PSOREINS): "REINSTATE ", $P(^PSRX(RXN, "STA"), "^")=1: "NON-VERIFIED
", 1: "") _ "Dosing Order Check FDB System Error_OP"
S ORL(1,1)=ORN_"^"_PSODAC_"^"_DUZ_"^"_OCCDT_"^25^"
S ORL(1,2,1)=^TMP("PSODAC", $J, "DOSE NOSYS", 1,0)
D SAVEOC^OROCAP11(.ORL,.RET)
S DA=$O(RET(1,0)) Q: 'DA
;S $P(^ORD(100.05,DA,8), "^", 4)="C"
S DIE="^ORD(100.05, " ,DR="84//C" D ^DIE
Q
CDDT ;IMO duplicate drug therapies
F XZX=0:0 S XZX=$O(^TMP("PSODAC", $J, "CDDT", XZX)) Q: 'XZX D
.S ZDRG=$P(^TMP("PSODAC", $J, "CDDT", XZX, 0), "^"), ZORT=$P(^TMP("PSODAC",
$J, "CDDT", XZX, 0), "^", 2)
.S ^ORD(100.05,DA,5,XZX,0)=ZDRG, ^ORD(100.05,DA,5,"B", ZDRG, XZX, 0)="", ^O
RD(100.05,DA,5,0)="^100.06PA^"_XZX_"^"_XZX
.N DIC ;
.S DA(1)=DA, X=ZDRG, DIC="^ORD(100.05, "_DA(1)_" , 5, " , DIC="Z"
.D FILE^DICN
.S ^ORD(100.05,DA,7,XZX,0)=$P(ZORT, ";", 1,3)_"^"_ZDRG, ^ORD(100.05,DA,7,
"B", $P(ZORT, ";", 1,3), XZX, 0)="", ^ORD(100.05,DA,7,0)="^100.07VA^"_XZX_"^"_XZX
.N DIC ;
.S DA(1)=DA, X=ZORT, DIC="^ORD(100.05, "_DA(1)_" , 7, " , DIC="Z"
.D FILE^DICN
Q

```

6.2.12.1.2.24 PSOCKVW

Routine Name	PSOOCKVW		
Enhancement Category	<input checked="" type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change		
Requirement Traceability Matrix	CR1006		
Related Options	Patient Prescription Processing [PSO LM BACKDOOR ORDERS] Complete Orders from OERR [PSO LMOE FINISH] View Prescriptions [PSO VIEW] Edit Prescriptions [PSO RXEDIT]		
Related Routines	Routines “Called By”	Routines “Called”	
	PSOORAL1, PSORXVW1	OROCAP11	
Data Dictionary (DD) References			
Related Protocols			
Related Integration Control Registrations (ICRs)	;External reference to ^PS(50.605, supported by DBIA 696 ;External reference to GETOC4^OROCAP11 supported by DBIA 5729 ;External reference to ^ORD(100.05 supported by DBIA 5731 ;External reference to ^GMRD(120.83 supported by DBIA 5767 ;External reference to ^VA(200 supported by DBIA 10060		
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local		
Input Attribute Name and Definition	Name: Definition:		
Output Attribute Name and Definition	Name: Definition:		
Current Logic N/A			

Modified Logic (Changes are in bold)

```

PSOOCKVW ;BIR/SAB-displays stored order checks;01/22/13 02:22
;7.0;OUTPATIENT PHARMACY;***412**;DEC 1997;Build 37
;External reference to ^PS(50.605, supported by DBIA 696
;External reference to GETOC4^OROCAP11 supported by DBIA 5729
;External reference to ^ORD(100.05 supported by DBIA 5731
;External reference to ^GMRD(120.83 supported by DBIA 5767
;External reference to ^VA(200 supported by DBIA 10060
;
N ZORN,X,RET,DA,CNT,ZCNTT,XXI,ZZQ,DA,ZI,ZII,IT,SEVT,SEVN,ZFND,ORCT,ZWAR
N,DAT,CA,CAG,CLSTAT
S (CNT,ZCNTT,ZFND)=0 K ^TMP("PSODAOCD",$J)
S ZORN=+SP(^PSRX(RXN,"OR1"),"^^",2) D GETOC4^OROCAP11(ZORN,.RET)
S IEN=$G(IEN)+1,^TMP("PSOAL",$J,IEN,0)=" ",IEN=IEN+1,^TMP("PSOAL",$J,IEN,0)="Order Check
History Logs:"
S IEN=IEN+1,^TMP("PSOAL",$J,IEN,0)="# Date/Time Order Check Name"
S IEN=IEN+1,$P(^TMP("PSOAL",$J,IEN,0),"=",79)="="
I $O(RET(ZORN,"DATA",""))=" " S IEN=IEN+1,^TMP("PSOAL",$J,IEN,0)="There are NO Order
Checks to report",IEN=IEN+1,^TMP("PSOAL",$J,IEN,0)=" " Q
F ZI=0:0 S ZI=$O(RET(ZORN,"DATA",ZI)) Q: 'ZI D S:ZPGK['CPRS" IEN=IEN+
1,^TMP("PSOAL",$J,IEN,0)=" "
.K DIC,DR,DIQ,DA,INTY,DSPF S DIC=100.8,DA=+SP(RET(ZORN,"DATA",ZI,1),"");"
,2),DR=".01",DIQ="ORCT" D EN^DIQ1
.S ZPGK=$P(RET(ZORN,"DATA",ZI,0),"^^",3)
.Q:ZPGK["CPRS"
.S Y=$P(RET(ZORN,"DATA",ZI,0),"^^",5) D DD^%DT S DAT=Y
.S IEN=IEN+1,CNT=IEN+1,^TMP("PSOAL",$J,IEN,0)=CNT " _DAT " _ORCT(100.8,DA,.01)
.I $P($G(^ORD(100.05,ZI,8)),"^^",4)]" S IEN=IEN+1,^TMP("PSOAL",$J,IEN,0)="Database:
"_$S($P($G(^ORD(100.05,ZI,8)),"^^",4)="C":"COTS",1:"VISTA")
.I +$P(RET(ZORN,"DATA",ZI,1),"",2)=19 D
..;S CLSTAT=$P(^PS(55,$P(PSOPTLK,"^^"),"SAND"),"^^",2)
..S CLSTAT=$P(^PS(55,$P(PSODFN,"^^"),"SAND"),"^^",2)
.S IEN=IEN+1,^TMP("PSOAL",$J,IEN,0)="Clozapine Status: "_$S(CLSTAT="A":"ACTIVE
TREATMENT",CLSTAT="D":"DISCONTINUED",CLSTAT="P":"PRE-TREATMENT",1:"TREATMENT ON HOLD")
.I $P($G(^ORD(100.05,ZI,8)),"^^",2)]" S DSPF=$P(^ORD(100.05,ZI,8),"^^",2
),IEN=IEN+1,^TMP("PSOAL",$J,IEN,0)="Dispensing Frequency: "_$S(DSPF="B":"BI-WEEKLY",
DSPF="W":"WEEKLY",1:"MONTHLY")
.K ^UTILITY($J,"W") S DIWL=1,DIWR=78,DIWF=" "
.S ZWARN=$O(^ORD(100.05,ZI,2,0)),X="Warning: " _^ORD(100.05,ZI,2,ZWARN,0) D ^DIWP
.F ZX=0:0 S ZX=$O(^UTILITY($J,"W",1,ZX)) Q: 'ZX S IEN=IEN+1,^TMP("PSOAL
",$J,IEN,0)=^UTILITY($J,"W",1,ZX,0)
.S IEN=IEN+1,^TMP("PSOAL",$J,IEN,0)=" "
.S IEN=IEN+1,^TMP("PSOAL",$J,IEN,0)="Order Check by " _$P(RET(ZORN,"DATA",ZI,0),"^^",3)
.I +$P(RET(ZORN,"DATA",ZI,1),"",2)=3 D ADOC
.I +$P(RET(ZORN,"DATA",ZI,1),"",2)=16! (+$P(RET(ZORN,"DATA",ZI,1),"",2)=20)!
(+$P(RET(ZORN,"DATA",ZI,1),"",2)=28)! (+$P(RET(ZORN,"DATA",ZI,1),"",2)=30) D IDRG
.I +$P(RET(ZORN,"DATA",ZI,1),"",2)=31! (+$P(RET(ZORN,"DATA",ZI,1),"",2)=18)!
(+$P(RET(ZORN,"DATA",ZI,1),"",2)=17) D INT
.I $P($G(^ORD(100.05,ZI,8)),"^^") D INV
Q
ADOC
;
N ING,SS,DC,CA,OH,CAG,CAUS,SEVT,SEVN,ZALL,Z,ZX,XXI,ZALL,FIRST S (ING,SS,DC,CA,SEVN)=" " K
^TMP("PSODAOCD",$J)
F XXI=0:0 S XXI=$O(^ORD(100.05,ZI,4,XXI)) Q: 'XXI D: $P($G(^ORD(100.05,ZI,4,XXI,0)),"^^")]" "
.S ZALL=$G(^ORD(100.05,ZI,4,XXI,0)),ZDATE=$P(ZALL,"^^",5),ZMEDL=$P(ZALL,
"^^",4),ZLOC=$P(ZALL,"^^",3),CAUS=$P(ZALL,"^^",1)
.S SEVT=$P(ZALL,"^^",7),SEVN=$S(SEVT=1:"MILD",SEVT=2:"MODERATE",SEVT=3:"
SEVERE",1:"Not Entered")
.S ^TMP("PSODAOCD",$J,"CA",CAUS)=" ",CA=" "
.;I $E(CA,$L(CA))=" " S CA=$E(CA,1,$L(CA)-1)
.;S CAG="^^" _$P(CA,"",2) _$S($E(CA,$L(CA))="","1:"") _$P(CA,"",0)"
.S OH=$$UPPER($P(ZALL,"^^",6)),^TMP("PSODAOCD",$J,"OH")=OH
.I ZMEDL S DIC=4,DA=ZMEDL,DR=.01,DIQ="ZLOC" D EN^DIQ1 S ZSTA=ZLOC(4,DA,.01)
.S IEN=IEN+1,^TMP("PSOAL",$J,IEN,0)=" "
.S IEN=IEN+1,^TMP("PSOAL",$J,IEN,0)=" Site Name: "_$S($G(ZSTA
)]":ZSTA,1:$P($SITE^VASITE,"^^",2)) _$S($G(ZDATE):"1:" - [Entered "_$S($G(ZDATE):
$E(ZDATE,4,5)_"/" _$E(ZDATE,6,7)_"/" _$E(ZDATE,2,3),1:"")_]"] K ZMEDL,ZSTA,ZDATE
.S IEN=IEN+1,^TMP("PSOAL",$J,IEN,0)=" Causative Agent: "_$S(CA="None Found":CA,1:CAUS)
.S IEN=IEN+1,^TMP("PSOAL",$J,IEN,0)="Historical/Observed: "_$S(OH="H":
HISTORICAL",OH="O":OBSERVED",1:"Not Entered")

```

```

.S IEN=IEN+1,^TMP("PSOAL",$J,IEN,0)=" Severity: "$G(SEVN)
.K ^UTILITY($J,"W") S DIWL=1,DIWR=58,DIWF=""
.; DRUG INGREDIENT
.F ZZQ=0:0 S ZZQ=$O(^ORD(100.05,ZI,4,XXI,2,ZZQ)) Q:'ZZQ S ^TMP("PSODAO
CD",$J,"DI",^P(^PS(50.416,$P(^ORD(100.05,ZI,4,XXI,2,ZZQ,0),"^"),0),"^"))=""
.S X=""
.F S ING=$O(^TMP("PSODAOCD",$J,"DI",ING)) Q:ING="" S X=X_", "_ING
.S X=$E(X,3,999)
.;S X=$P(ZALL,"^",1)
.I X'="" D
..D ^DIWP
..S FIRST=1
..F ZX=0:0 S ZX=$O(^UTILITY($J,"W",1,ZX)) Q:'ZX S:$D(^UTILITY($J,"W",1,ZX,0))
IEN=IEN+1,^TMP("PSOAL",$J,IEN,0)=$S(FIRST:" Ingredients: "_UTILITY($J,"W",1,ZX,0),1:"
"^_UTILITY($J,"W",1,ZX,0)) S FIRST=0
..K ^UTILITY($J,"W") N Z,ZX S DIWL=1,DIWR=58,DIWF="C13"
.; SIGNS/SYMPTOMS
.S DIWL=1,DIWR=58,DIWF="",ING=""
.F ZZQ=0:0 S ZZQ=$O(^ORD(100.05,ZI,4,XXI,3,ZZQ)) Q:'ZZQ S ZQS=$P(^ORD(
100.05,ZI,4,XXI,3,ZZQ,0),"^") D
..I $G(^GMRD(120.83,ZQS,0))] S ^TMP("PSODAOCD",$J,"SS",^P(^GMRD(120.83,ZQS,0),"^"))=""
.S X="",FIRST=1
..I $O(^TMP("PSODAOCD",$J,"SS","")) S SS="" D
..F S SS=$O(^TMP("PSODAOCD",$J,"SS",SS)) Q:SS="" S X=X_", "_SS
..S X=$E(X,3,999) D ^DIWP
..F ZX=0:0 S ZX=$O(^UTILITY($J,"W",1,ZX)) Q:'ZX S IEN=IEN+1,^TMP("PSOA
L",$J,IEN,0)=$S(FIRST:" Signs/Symptoms: "_UTILITY($J,"W",1,ZX,0),1:"
"^_UTILITY($J,"W",1,ZX,0)) S FIRST=0
..K ^UTILITY($J,"W")
.; DRUG CLASS
.S DIWL=1,DIWR=58,DIWF=""
.F ZZQ=0:0 S ZZQ=$O(^ORD(100.05,ZI,4,XXI,1,ZZQ)) Q:'ZZQ S ^TMP("PSODAO
CD",$J,"DC",^P(^ORD(100.05,ZI,4,XXI,1,ZZQ,0),"^"))=$P(^PS(50.605,$P(^ORD(100.05,
ZI,4,XXI,1,ZZQ,0),"^"),0),"^")_ "$P(^ORD(100.05,ZI,4,XXI,1,ZZQ,0),"^"),2)
.S X="",FIRST=1
..F DC=0:0 S DC=$O(^TMP("PSODAOCD",$J,"DC",DC)) Q:'DC S X=X_", "_^TMP("
PSODAOCD",$J,"DC",DC) D
..I $L(X)>234 S X=$E(X,3,999) D ^DIWP S X=""
..I X'="" S X=$E(X,3,999)
..I X'="" D
..D ^DIWP
..F ZX=0:0 S ZX=$O(^UTILITY($J,"W",1,ZX)) Q:'ZX S IEN=IEN+1,^TMP("PSOA
L",$J,IEN,0)=$S(FIRST:" Drug Class: "_UTILITY($J,"W",1,ZX,0),1:"
"^_UTILITY($J,"W",1,ZX,0)) S FIRST=0
..K ^UTILITY($J,"W") N Z,ZX
D INT
Q
;
UPPER(PSOUCS) ;
Q $TR(PSOUCS,"abcdefghijklmnopqrstuvwxyz","ABCDEFGHIJKLMNOPQRSTUVWXYZ")
;
LOWER(PSOLCS) ;
Q $TR(PSOLCS,"ABCDEFGHIJKLMNOPQRSTUVWXYZ","abcdefghijklmnopqrstuvwxyz")
;
INT
;dsply interaction
S IEN=IEN+1,^TMP("PSOAL",$J,IEN,0)=" "
N ZPGK,ZOV
S ZPGK=$P(RET(ZORN,"DATA",ZI,0),"^",3)
F ZII=0:0 S ZII=$O(RET(ZORN,"DATA",ZII)) Q:'ZII I $P($P(RET(ZORN,"DATA",ZII,1),"^"),
";",2)=3,$G(RET(ZORN,"DATA",ZII,"OR",1,0))] S ZOV=$G(RET(ZORN,"DATA",ZII,"OR",1,0))
I $G(ZOV)]"" D
..K ^UTILITY($J,"W") S DIWL=1,DIWR=75,DIWF=""
..S X="Provider Override Reason: "_ZOV D ^DIWP
..F ZX=0:0 S ZX=$O(^UTILITY($J,"W",1,ZX)) Q:'ZX S IEN=IEN+1,^TMP("PSOAL
",$J,IEN,0)=^UTILITY($J,"W",1,ZX,0)
..K ^UTILITY($J,"W"),DIWL,DIWR,DIWF
.;S IEN=IEN+1,^TMP("PSOAL",$J,IEN,0)="Provider Override Reason: "_ZOV
..S IEN=IEN+1,^TMP("PSOAL",$J,IEN,0)=" Overriding Provider: "$P(^VA
(200,$P(RET(ZORN,"DATA",ZI,0),"^",4),0),"^")
E I +$P(RET(ZORN,"DATA",ZI,1),"",2)=3 S IEN=IEN+1,^TMP("PSOAL",$J,IEN
,0)="Provider Override Reason: N/A - Order Entered Through "$S($P(ZPGK,"_",2))'=

```

```

"CPRS": "Pharmacy", 1: "CPRS") _ " .
I $P(ZPGK, " ", 2) = "CPRS", +$P(RET(ZORN, "DATA", ZI, 1), " ", 2) = 3! (+$P(RET(Z
ORN, "DATA", ZI, 1), " ", 2) = 16) D IDRG
I +$P(RET(ZORN, "DATA", ZI, 1), " ", 2) = 18! (+$P(RET(ZORN, "DATA", ZI, 1), " ", 2) = 31) S
IEN=IEN+1, ^TMP("PSOAL", $J, IEN, 0) = " "
I $O(^ORD(100.05, ZI, 10, 0)) D
.S ZDA=$O(^ORD(100.05, ZI, 10, 0)) K ^UTILITY($J, "W") S DIWL=1, DIWR=78, DIWF="" S
X=$S(+$P(RET(ZORN, "DATA", ZI, 1), " ", 2) = 17: "Class(es) Involved in Therapeutic
Duplication(s):", 1: "Clinical Effects: ") D ^DIWP
.N ZLL S X="" ZLL=0 F S ZLL=$O(^ORD(100.05, ZI, 10, ZLL)) Q: ZLL="" S X=^
ORD(100.05, ZI, 10, ZLL, 0) D ^DIWP
.F ZX=0:0 S ZX=$O(^UTILITY($J, "W", 1, ZX)) Q: 'ZX S IEN=IEN+1, ^TMP("PSOAL
", $J, IEN, 0) = ^UTILITY($J, "W", 1, ZX, 0)
.S IEN=IEN+1, ^TMP("PSOAL", $J, IEN, 0) = " "
Q
;dsply intervent.
S IEN=IEN+1, ^TMP("PSOAL", $J, IEN, 0) = " "
K DIC, DR, DIQ, DA, INTY S DIC=9009032.4, DA=$P($G(^ORD(100.05, ZI, 8)), "^"), D
R=".01;.03;.04;.08", DIQ="INTY" D EN^DIQ1
S IEN=IEN+1, ^TMP("PSOAL", $J, IEN, 0) = "Intervention Date: " _INTY(9009032.4, DA, .01)
S IEN=IEN+1, ^TMP("PSOAL", $J, IEN, 0) = "Recommendation: " _INTY(9009032.4, DA, .08)
;S IEN=IEN+1, ^TMP("PSOAL", $J, IEN, 0) = "Provider: " _$S($G(INTY(90
09032.4, DA, .03))) _":INTY(9009032.4, DA, .03), 1: "Not Entered")
K DIC, DR, DIQ, DA, INTY
Q
;
IDRG
;interacting orders and meds
Q:$P(ZPGK, " ", 2) = "CPRS"
Q: +$P(RET(ZORN, "DATA", ZI, 1), " ", 2) = 3! (+$P(RET(ZORN, "DATA", ZI, 1), " ", 2) = 19)
Q: +$P(RET(ZORN, "DATA", ZI, 1), " ", 2) = 28! (+$P(RET(ZORN, "DATA", ZI, 1), " ", 2)
= 30)! (+$P(RET(ZORN, "DATA", ZI, 1), " ", 2) = 20)
N DRGLST, DRGLT, RXLST, RXLT, NRXLST, NRXLST, ZORD, ZMED, ZZRX S (RXLST, DRGLST, N
DRGLST, NRXLST, NRXLSTD, NVALST) = ""
S IEN=IEN+1, ^TMP("PSOAL", $J, IEN, 0) = " "
S IEN=IEN+1, ^TMP("PSOAL", $J, IEN, 0) = "Interacting Order(s) and Drug(s):"
K ^UTILITY($J, "W") S DIWL=1, DIWR=78, DIWF="" X=""
S I=0, X="" F S I=$O(^ORD(100.05, ZI, 6, I)) Q: 'I! (I?1N.N) D
.S ZMED=$P(^ORD(100.05, ZI, 6, I, 0), "^"), ZORD=$P(ZMED, ";")
.I $P(ZMED, ";", 2) = "PS(52.41" S IEN=IEN+1, ^TMP("PSOAL", $J, IEN, 0) = "Pending Med Order:
" _$P(^PSDRUG($P(^PS(52.41, ZORD, 0), "^", 9), 0), "^") Q
.S ZMED=$P(^PSDRUG($P(^PSRX(ZORD, 0), "^", 6), 0), "^")
.S X="" X="Rx #: " _$P(^PSRX(ZORD, 0), "^") _ " MED: " _ZMED_ (" _$GET1^DIQ
(52, ZORD, 100)_)" , ZZRX=1
.S IEN=IEN+1, ^TMP("PSOAL", $J, IEN, 0) = "Rx #: " _$P(^PSRX(ZORD, 0), "^") _ "
_ZMED_ (" _$GET1^DIQ(52, ZORD, 100)_)" , ZZRX=1
;K ^UTILITY($J, "W") S X=$E(X, 3, 999) D ^DIWP
;F ZZX=0:0 S ZX=$O(^UTILITY($J, "W", 1, ZZX)) Q: 'ZZX S IEN=IEN+1, ^TMP("PSOAL",
$J, IEN, 0) = ^UTILITY($J, "W", 1, ZZX, 0)
;K ^UTILITY($J, "W") S DIWL=1, DIWR=78, DIWF=""
F II=0:0 S II=$O(^ORD(100.05, ZI, 7, II)) Q: 'II D
.S ZORTY=$P(^ORD(100.05, ZI, 7, II, 0), "^"), ZIEN=$P(ZORTY, ";", 2)
.I $P(ZORTY, ";") = "N" S IEN=IEN+1, ^TMP("PSOAL", $J, IEN, 0) = "NON-VA Med Order:
" _$GET1^DIQ(55.05, ZIEN, " _DFN_", " ", 1), ZZRX=1 ;D ^DIWP Q
.I $P(ZORTY, ";") = "P" S IEN=IEN+1, ^TMP("PSOAL", $J, IEN, 0) = "Pending Med Order:
" _$GET1^DIQ(53.11, "1", " _ZIEN_", " ", .01), ZZRX=1 ;D ^DIWP Q ; non-verified
.I $P(ZORTY, ";") = "R" S IEN=IEN+1, ^TMP("PSOAL", $J, IEN, 0) = "Location: " _
$P(ZORTY, ";", 3) _ " Remote Rx: " _$P(ZORTY, ";", 2), ZZRX=1 ;D ^DIWP Q ; remote
.I $P(ZORTY, ";") = "U" S IEN=IEN+1, ^TMP("PSOAL", $J, IEN, 0) = "Clinic Order:
" _$GET1^DIQ(55.07, "1", " _ZIEN_", " _DFN_", " ", .01) ;D ^DIWP Q
.I $P(ZORTY, ";") = "V" S IEN=IEN+1, ^TMP("PSOAL", $J, IEN, 0) = "Clinic Order:
" _$GET1^DIQ(55.01, ZIEN, " _DFN_", " ", 130) ; _ " D ^DIWP Q ; IV Med - ^PS(55, DFN, "IV", ZIEN, ...
I $G(ZZRX), $O(^ORD(100.05, ZI, 7, 0)) S IEN=IEN+1, ^TMP("PSOAL", $J, IEN, 0) = " K ZZRX
;D ^DIWP
;F ZZX=0:0 S ZZX=$O(^UTILITY($J, "W", 1, ZZX)) Q: 'ZZX S IEN=IEN+1, ^TMP("P
SOAL", $J, IEN, 0) = ^UTILITY($J, "W", 1, ZZX, 0)
;K ^UTILITY($J, "W") S DIWL, DIWR, DIWF, ZORTY, ZDRG, ZDRG2, ZX, ZDA, ZZRX
Q

```


6.2.12.1.2.25 PSOORCPY

Routine Name	PSOORCPY		
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change		
Requirement Traceability Matrix	CR1006		
Related Options	Patient Prescription Processing [PSO LM BACKDOOR ORDERS] Complete Orders from OERR [PSO LMOE FINISH] View Prescriptions [PSO VIEW] Edit Prescriptions [PSO RXEDIT]		
Related Routines	Routines "Called By"	Routines "Called"	
	PSOBBC, PSOCAN, PSOCAN1, PSOCAN3, PSOCAN4, PSODGD2, PSOHL, PSONEW, PSOOREDT, PSOORFI1, PSORENW, PSORENW4, PSORES, PSORXDL, PSORXPA1, PSOVER	ORX2, PSOBUILD, PSONEW, PSOORDRG, PSOORED1, PSORNE2, PSOREJU1, PSORENW0, PSOVER1, PSSLOCK	
Data Dictionary (DD) References			
Related Protocols			
Related Integration Control Registrations (ICRs)	;External references LK^ORX2 and ULK^ORX2 supported by DBIA 867 ;External reference to ^PSDRUG supported by DBIA 221 ;External references L, UL, PSOL, and PSOL^PSSLOCK supported by DBIA 2789		
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local		
Input Attribute Name and Definition	Name: Definition:		
Output Attribute Name and Definition	Name: Definition:		
Current Logic			
<pre> PSOORCPY ;BIR/SAB-copy orders from backdoor ;10/17/96 ; ;7.0;OUTPATIENT PHARMACY;**10,21,27,32,46,100,117,148**;DEC 1997 ;External references LK^ORX2 and ULK^ORX2 supported by DBIA 867 ;External reference to ^PSDRUG supported by DBIA 221 ;External references L, UL, PSOL, and PSOL^PSSLOCK supported by DBIA 2789 ;I '\$D(^XUSEC("PSORPH",DUZ)) S VALMSG="Invalid Action Selection!",VALMBCK="" Q ;I '\$LMREJ^PSOREJU1(\$P(PSOLST(ORN),"^",2),,VALMSG,VALMBCK) Q ;I '\$G(PSOBEDT) W \$C(7),\$C(7) S VALMSG="Invalid Action at this time !",VALMBCK="" Q ;I '\$G(PSONACT) W \$C(7),\$C(7) S VALMSG="No Pharmacy Orderable Item !",VALMBCK="" K PSOCOPY D ^PSOBUILD Q S PSOPLCK=\$\$L^PSSLOCK(PSODFN,0) I '\$G(PSOPLCK) D LOCK S VALMSG=\$\$(\$P(\$G (PSOPLCK),"^",2))'=\$\$(\$P(\$G(PSOPLCK),"^",2))' is working on this patient.",1:"Another person is entering orders for this patient.") K PSOPLCK S VALMBCK="" Q K PSOPLCK S X=PSODFN_;DPT(" D LK^ORX2 I 'Y S VALMSG="Another person is entering orders for this patient.",VALMBCK="" D UL^PSSLOCK(PSODFN) Q D PSOL^PSSLOCK(\$P(PSOLST(ORN),"^",2)) I '\$G(PSOMSG) S VALMSG=\$\$(\$P(\$G(P SOMSG),"^",2))'=\$\$(\$P(\$G(PSOMSG),"^",2))' is editing this order.",VALMBCK="" K PSOMSG G EX N VALMCNT K PSOEDIT S (PSOCOPY,COPY,PSORXED)=1 D FULL^VALM1 S PSORXED("DFLG")=0,(RXN,DA,PSORXED("IRXN"))=\$P(PSOLST(ORN),"^",2),PSOR XED("RX0")=^PSRX(PSORXED("IRXN"),0),PSORXED("RX2")=\$G(^2),PSORXED("RX3")=\$G(^ 3),PSOI=\$P(\$G(^("OR1")), "^"),PSOSIG=\$P(\$G(^("SIG")), "^"),STAT=+^("STA") </pre>			

	<pre> S PSORXED("INS")=\$G(^PSRX(PSORXED("IRXN"),"INS")),PSORXED("ENT")=0 S:\$G(^PSRX(PSORXED("IRXN"),"INSS"))]" PSORXED("SINS")=^PSRX(PSORXED("IRXN"),"INSS") S D=0 F S D=\$O(^PSRX(PSORXED("IRXN"),"INS1",D)) Q:'D S PSORXED("SIG", D)=^PSRX(PSORXED("IRXN"),"INS1",D,0) I '\$O(PSORXED("SIG",0)),\$G(PSORXED("INS"))]" S PSORXED("SIG",1)=PSORXED("INS") I \$G(^PSRX(PSORXED("IRXN"),"TN"))]" S PSODRUG("TRADE NAME")=^PSRX(PSORXED("IRXN"),"TN") F I=0:0 S I=\$O(^PSRX(PSORXED("IRXN"),6,I)) Q:'I S DOSE=^PSRX(PSORXED("IRXN"),6,I,0) D .Q:\$P(DOSE,"^")']"!(\$P(DOSE,"^",8))']" .S PSORXED("ENT")=PSORXED("ENT")+1 .S PSORXED("DOSE",PSORXED("ENT"))=\$P(DOSE,"^"),PSORXED("UNITS",PSORXED("ENT"))=\$P(DOSE,"^",3),PSORXED("DOSE ORDERED",PSORXED("ENT"))=\$P(DOSE,"^",2) .S PSORXED("ROUTE",PSORXED("ENT"))=\$P(DOSE,"^",7),PSORXED("SCHEDULE",PS ORXED("ENT"))=\$P(DOSE,"^",8),PSORXED("DURATION",PSORXED("ENT"))=\$P(DOSE,"^",5) .S PSORXED("CONJUNCTION",PSORXED("ENT"))=\$P(DOSE,"^",6),PSORXED("VERB", PSORXED("ENT"))=\$P(DOSE,"^",9) .I \$G(^PSRX(PSORXED("IRXN"),6,I,1))]" S PSORXED("ODOSE",PSORXED("ENT"))=^PSRX(PSORXED("IRXN"),6,I,1) .I \$G(PSORXED("DURATION",PSORXED("ENT")))]]" D K DR,DUR1 ..S DUR1=PSORXED("DURATION",PSORXED("ENT")) ..S PSORXED("DURATION",PSORXED("ENT"))=\$S(\$E(DUR1,1) '?N:\$E(DUR1,2,99)_ \$E(DUR1,1),1:DUR1) .S PSORXED("NOUN",PSORXED("ENT"))=\$P(DOSE,"^",4) K DOSE I \$G(^PSDRUG(\$P(PSORXED("RX0"),"^",6),"I"))]"^("I")<DT S VALMSG="Cannot COPY. This drug has been inactivated!" S VALMBCK="R" G OUT I \$P(^PSDRUG(\$P(PSORXED("RX0"),"^",6),2),"^",3)]['O" S VALMSG="Cannot Copy. Drug no longer used by Outpatient!",VALMBCK="R" G OUT ;Check for invalid Dosage N PSOOCPRX,PSOOLPF,PSOOLPD,PSONOSIG S PSOOCPRX=PSORXED("IRXN") D CDOSE^PSORENW0 I PSOOLPF D S VALMBCK="R" G OUT .S VALMSG="Cannot copy, invalid Dosage of "_\$G(PSOOLPD) I PSONOSIG D S VALMBCK="R" G OUT .S VALMSG="Cannot copy, missing Sig" I '\$P(\$G(^PSDRUG(\$P(PSORXED("RX0"),"^",6),2)),"^") S VALMBCK="R" G OUT S DREN=\$P(PSORXED("RX0"),"^",6),PSODAYS=\$P(PSORXED("RX0"),"^",8),PSORXS T=+\$P(\$G(^PS(53,\$P(PSORXED("RX0"),"^",3),0)),"^",7) S POERR=1 D DRG^PSOORDRG K POERR I \$G(PSORX("DFLG")) S VALMBCK="R" D EN^PSOORED1.(PSORXED) I \$G(PSORX("FN")) S VALMBCK="Q",PSOFROM="NEW" D DCORD^PSONEW2 E S VALMBCK="R" OUT ; D PSOUL^PSSLOCK(\$P(PSOLST(ORN),"^",2)) K PSOCOPY D ^PSOBUILD,ACT^PSOORNE2 EX S X=PSODFN_" ;DPT(" D ULK^ORX2 D UL^PSSLOCK(PSODFN) K PSOMSG,PSONEW,PSOSIG,STA,DREN,PSODAYS,PSORXST,PSOCOPY,PSORXED,FST,FLD ,IEN,FLN,INCOM,PSOI,COPY,SIG,SIGOK,PSODRUG,^TMP("PSOPO",\$J) D CLEAN^PSOVER1,EOJ^PSONEW LOCK ; I \$P(\$G(PSOPLCK),"^")'=0 Q W !!,SS(\$P(\$G(PSOPLCK),"^",2)'=""':\$P(\$G(PSOPLCK),"^",2),1:"Another person")_" is working on this patient." K DIR S DIR(0)="E",DIR("A")=" Press Return to Continue" D ^DIR K DIR Q </pre>
	Modified Logic (Changes are in bold)

6.2.12.1.2.26 PSOORED1

Routine Name	PSOORED1
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change
Requirement Traceability Matrix	CR1006

Related Options	Patient Prescription Processing [PSO LM BACKDOOR ORDERS] Complete Orders from OERR [PSO LMOE FINISH] View Prescriptions [PSO VIEW] Edit Prescriptions [PSO RXEDIT]	
Related Routines	Routines “Called By” PSOLMUTL, PSOORED6	Routines “Called” PSOBPSU1, PSOBPSUT, PSOBUILD, PSOCMOPC, PSODAWUT, PSODIAG, PSODIR, PSODIR1, PSODRG, PSOHLN1, PSOLMUTL, PSONEW, PSOORCPY, PSOORED1, PSOORED2, PSOORED6, PSOORED7, PSOORNE2, PSORXED, PSOSIG0, PSOVER1, PSSLOCK
Data Dictionary (DD) References		
Related Protocols		
Related Integration Control Registrations (ICRs)	;External reference to ^PSDRUG supported by DBIA 221 ;External reference to PSSLOCK supported by DBIA 2789 ;External reference to ^VA(200 supported by DBIA 10060	
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	Name: Definition:	
Output Attribute Name and Definition	Name: Definition:	
Name:		
<pre> PSOOREDT ;BIR/SAB - edit orders from backdoor ;7/23/09 9:06am ; ;7.0;OUTPATIENT PHARMACY;**4,20,27,37,57,46,78,102,104,119,143,148,260 ,281,304,289,298,379,377,391**;DEC 1997;Build 13 ;External reference to ^PSDRUG supported by DBIA 221 ;External reference to PSSLOCK supported by DBIA 2789 ;External reference to ^VA(200 supported by DBIA 10060 SEL K PSOISLKD,PSOLOKED S PSOPLCK=\$\$L^PSSLOCK(PSODFN,0) I '\$G(PSOPLCK) D LOCK^PSOORCPY D SVAL K PSOPLCK S VALMBCK="" Q K PSOPLCK D PSOL^PSSLOCK(\$P(PSOLST(ORN),"^",2)) I '\$G(PSOMSG) D UL^PSSLOCK(+G(PSODFN)) D SVALO K PSOMSG S VALMBCK="" Q K PSOMSG S PSOLOKED=1 S REF=0 S:\$\$LSTRFL^PSOBPSU1(\$P(PSOLST(ORN),"^",2)) REF=1 ;*377 K PSORX("DFLG"),DIR,DUOUT,DIRUT S DIR("A")="Select fields by number" S DIR(0)="LO^1:"_S(\$\$STATUS^PSOBPSUT(\$P(PSOLST(ORN),"^",2)))'="" :21,\$G(REF):20,1:19) D ^DIR I \$D(DIRUT) K DIR,DIRUT,DTOUT S VALMBCK="" D UL K PSOLOKED Q EDTSEL N VALMCNT K PSOISLKD,PSORX("DFLG"),PSOOIFLG,PSOMRFLG,DIR,DIRUT,DTOUT,DT OUT,ZONE S PSOQUIT=0,(PSOEDIT,PSORXED)=1 I +Y S FST=Y D HLDHDR^PSOLMUTL D G EX ;PSO LM SELECT MENU protocol .I '\$G(PSOLOKED) S PSOPLCK=\$\$L^PSSLOCK(PSODFN,0) I '\$G(PSOPLCK) D LOCK^PSOORCPY D SVAL K PSOPLCK S VALMBCK="", (PSOISLKD,PSODE)=1 Q .I '\$G(PSOLOKED) K PSOPLCK D PSOL^PSSLOCK(\$P(PSOLST(ORN),"^",2)) I '\$G(PSOMSG) D UL^PSSLOCK(+G(PSODFN)) D SVALO K PSOMSG S VALMBCK="", (PSOISLKD,PSODE)=1 Q .K PSOMSG,PSOPLCK S (NEWEDT,PSOLOKED)=1 D EDT E S VALMBCK="",PSODE=1 EX I \$G(PSOISLKD)!(\$G(PSOQUIT)) D UL K PSOISLKD G EX2 I '\$G(PSOSIGFL),'\$G(PSORXED("DFLG")) D UPDATE^PSOORED6 D LOG^PSORXED,POST^PSORXED G EX1 I \$G(PSOSIGFL)=1 D Q:\$G(PSORX("FN")) .N PSOTMP .S PSOTMP=\$G(PSOFROM),PSOFROM="NEW" .S VALMSG="This change will create a new prescription!",NCPDPFLG=1 </pre>		

```

.D EN^PSOORED1(.PSORXED)
.I $G(PSORX("FN")) D Q
..D ^PSOBUILD
..K QUIT,PSORX("DFLG"),FST,FLD,IEN,FLN,INCOM,PSOI,PSODRUG,PSOEDIT
..K PSORENW,PSOSIGFL,PSOIFLG,PSOMRFLG,PSODIR,CHK,PSORX("SIG"),PSODE
..K PSOTRN,PSORX("EDIT"),PSORXED("FLD"),NEWEDT
..D EOJ^PSONEW
..D UL K PSOLOKED S VALMBCK="Q"
.S PSOFROM=PSOTMP I PSOFROM="" K PSOFROM
;
EX1 I '$G(PSODE)!('$G(ZONE)) I $G(PSORENW("OIRXN")) D EN^PSOHLN1(PSORENW("
OIRXN"),"XX","", "Order edited")
QUIT D UL K PSOLOKED D ^PSOBUILD,ACT^PSOORNE2 D:+^PSRX($P(PSOLST(ORN),"^",2)
,"STA")=5 EN^PSOCMOPC($P(PSOLST(ORN),"^",2))
K:$O(^PSRX($P(PSOLST(ORN),"^",2),1,0)) REF
EX2 S VALMBCK=$S($G(PSOQUIT):"R",$G(PSORX("FN")):"Q",$G(ZONE):"Q",1:"R")
K PSORXED,FST,FLD,IEN,FLN,INCOM,PSOI,PSODRUG,PSOEDIT,PSORENW,PSOSIGFL,P
SODIR,CHK,PSORX("SIG"),PSODE,PSOTRN,PSORX("DFLG"),RFED,ZONE,PSORX("EDIT"),PSOIF
LG,PSOMRFLG,SIG,QUIT,PSOQUIT
K NEWEDT I $G(VALMBCK)="R" W ! D CLEAN^PSOVER1 H 2
Q
;
EDT ; Rx Edit (Backdoor)
K NCPDPFLG,PSOPKI,DEA
S I=0 F S I=$O(^PSRX($P(PSOLST(ORN),"^",2),1,I)) Q:'I S PSORXED("RX1"
)=^PSRX($P(PSOLST(ORN),"^",2),1,I,0)
;*298 Track PI and Oth Lang PI
S (RX0,PSORXED("RX0"))=^PSRX($P(PSOLST(ORN),"^",2),0),PSORXED("RX2")=$G
(^2),PSORXED("RX3")=$G(^3),PSOSIG=$P(^("SIG"),"^"),PSOPINS=$G(^("INS")),PSOINS=$G(^("INSS"))
I '$D(PSODRUG) NEW PSOY S PSOY=$P(RX0,U,6),PSOY(0)=^PSDRUG(PSOY,0) D SET^PSODRG ; *298
moved this line from EDT+2 RX0 was not defined yet
F FLD=1:1:$L(FST,"") Q:$P(FST,"",FLD)']""!($G(PSORXED("DFLG"))!($G(PSORX("DFLG")))) S
FLN=+$P(FST,"",FLD) D
.S PSORXED("DFLG")=0,(DA,PSORXED("IRXN"),PSORENW("OIRXN"))=$P(PSOLST(OR
N),"^",2),RX0=^PSRX(PSORXED("IRXN"),0),PSOPKI=$P($G(^PSRX(PSORXED("IRXN"),"PKI")),"^")
S:$G(PSOSIG)="" PSOSIG=$P(^("SIG"),"^")
.*298 Track PI and Oth Lang PI
.S:$G(PSOPINS)="" PSOPINS=$G(^PSRX(DA,"INS")) S:$G(PSOINS)="" PSOINS=
$G(^PSRX(DA,"INSS"))
.I '$G(PSOSIGFL) D
..S PSOI=+^PSRX(DA,"OR1"),PSODAYS=$P(RX0,"^",8),PSORXST=+$P($G(^PS(53,$
P(RX0,"^",3),0)),"^",7)
..I 'PSOI S PSOI=+^PSDRUG($P(RX0,"^",6),2),$P(^PSRX(DA,"OR1"),"^")=PSOI
..S:$G(PSODRUG("IEN")) PSODRUG("IEN")=$P(RX0,"^",6),PSODRUG("NAME")=$P
(^PSDRUG($P(RX0,"^",6),0),"^")
..S PSODRUG("OI")=PSOI
.S PSORX("PROVIDER")=$P(RX0,"^",4),PSORX("PROVIDER NAME")=$P(^VA(200,$P
(RX0,"^",4),0),"^"),PSOTRN=$G(^PSRX(DA,"TN"))
.D:'$G(CHEK) POP^PSOSIGNO(DA),CHK Q:$G(PSORXED("DFLG"))
.S FDR="39.2^"_S($P(PSOPAR,"^",3):"6",1:"")_";6.5^113^114^3^1^22R^24^8
^7^9^4^11;"_S($P(RX0,"^",11)="W"&($P(PSOPAR,"^",12)): "35",1:"")_";10.6^5^20^23^12^PSOCOUP^RF^81"
.I $G(ST)=1!($G(ST)=12)!($G(ST)=14)!($G(ST)=15) D NDCDAWDE^PSOORED7(ST,FLN,$G(RXN)) Q
.S REF=0 S:$LSTRFL^PSOBPSUT($P(PSOLST(ORN),"^",2)) REF=1 ;*377
.I FLN=20,$G(REF) S VALMSG="There is no Refill Data to be edited." Q
.S DR=$P(FDR,"^",FLN) I DR="RF" D REF^PSOORED2 Q
.I DR="PSOCOUP" D PSOCOUP^PSOORED6 Q
.I FLN=2,$P(PSOPAR,"^",3),$RXRLDT^PSOBPSUT(RXN,0),$STATUS^PSOBPSUT(RXN,0)'="" D Q
..N NDC D NDC^PSODRG(RXN,0,,.NDC) I $G(NDC)=""!($G(NDC)="" ) Q
..S (PSODRUG("NDC"),PSORXED("FLD",27))=NDC
.I FLN>2,$P(PSOPAR,"^",3) S VALMSG="Check site parameters, Drug data is not editable."
Q
.I FLN=3 D EDTDOSE^PSOORED2,FULL^VALM1,POST^PSODRG S:$G(PSORX("DFLG"))
PSOISLKD=1,PSORX("FN")=1 Q
.I FLN=4 D INS^PSOORED1 Q
.I FLN=1 D PSOI^PSOORED6 N PSOX S PSORXED=1,PSOX("IRXN")=$S($D(DA):DA,$
D(PSORXED("IRXN")):PSORXED("IRXN"),$D(PSORENW("OIRXN")):PSORENW("OIRXN")) D:$G(PSORXED("DFLG"))
EN^PSODIAG Q
.I FLN=2 D DRG^PSOORED6 N PSOX S PSORXED=1,PSOX("IRXN")=PSORXED("IRXN")
D:$G(PSORXED("DFLG")) EN^PSODIAG S:$O(^PSRX(PSORXED("IRXN"),1,0)) REF=1 Q
.I FLN=12,PSOPKI W !,"Digitally Signed Order - Provider can't be changed" D PAUSE Q
.I FLN=12 D PROV Q

```

```

.I FLN=6 D ISDT^PSOORED2 Q
.I FLN=7 D FLDT^PSOORED2 Q
.I FLN=21,$$STATUS^PSOBPSUT(RXN,0)="" S VALMSG="Invalid selection!" Q
.I FLN=21 D Q
..N DAW D EDTDAW^PSODAWUT(RXN,0,.DAW) I $G(DAW)="^" Q
..S (PSODRUG("DAW"),PSORXED("FLD",81))=DAW
.I FLN=9!(FLN=10)!(FLN=11) D NOCHG^PSOORED7 Q
.S DR=+DR
.K DIR,DIRUT,DIROUT ;S DIE=52 D ^DIE I $D(Y) S PSORXED("DFLG")=1
.K DIC,DIQ S DIC=52,DA=PSORXED("IRXN"),DIQ="PSORXED" D EN^DIQ1 K DIC,DI
Q
.S DIR("B")=$S($G(PSORXED("FLD",DR))]"":PSORXED("FLD",DR),1:PSORXED(52,
DA,DR)),DIR(0)="52,"_DR D ^DIR
.I DR=24!(DR=12) S PSORXED("FLD",DR)=X
.I $D(DIRUT) K DIR,DIRUT,DUOUT,DTOUT,PSORXED(52,DA,DR),PSORXED("FLD",DR) Q
.I DR'=5,X="@ " W !,"Data Required!",! K DIC,DIQ,DR,DA,DIR,DIRUT,PSORXED(52,DA,DR),X,Y Q
.I DR=5,X'="@ " S Y=+Y
.I DR=3!(DR=20)!(DR=23) S Y=+Y
.S PSORXED("FLD",DR)=$S(X="@":X,1:Y) K DIR,DIRUT,DIROUT,X,Y,PSORXED(52,DA,DR)
.I DR=11,PSORXED("FLD",DR)="W", $P(PSOPAR,"^",12) D
..D FIELD^DID(52,DR,"","LABEL","ZZ") S PSORXED(ZZ("LABEL"))=PSORXED("FLD",DR) K ZZ
..S DR=35,DIQ="PSORXED" D EN^DIQ1 K DIC,DIQ,DIRUT,DUOUT,DTOUT
..S:$G(PSORXED(52,DA,DR))]" " DIR("B")=PSORXED(52,DA,DR)
..S DIR(0)="52,"_ (DR) D ^DIR I $D(DIRUT),X'="@ " K DIR,DIRUT Q
..S PSORXED("FLD",DR)=X K DIR,DIRUT,DIROUT,X,Y,PSORXED(52,DA,DR)
.I $G(PSORXED("FLD",DR))]" " D FIELD^DID(52,DR,"","LABEL","ZZ") S PSORXE
D(ZZ("LABEL"))=PSORXED("FLD",DR) K ZZ
Q:$G(PSOSIGFL)
S (RX1,I,RFD,RFDT)=0 F S I=$O(^PSRX(PSORXED("IRXN"),1,I)) Q:'I S RFD=
I,RFDT=$P(^PSRX(PSORXED("IRXN"),1,I,0),"^",RX1(I))=$G(RX1(I))+1
Q
CHK S CHK=1 I $G(^PSDRUG($P(PSORXED("RX0"),"^",6),"I"))]"",^(("I")<DT S VALMSG="This drug has
been inactivated. ",PSORXED("DFLG")=1 Q
K PSPOP I $G(PSODIV),$P(PSORXED("RX2"),"^",9)'=PSOSITE S PSPRXN=PSORXED("IRXN") D
Q:PSORXED("DFLG")
.I $P(PSOSYS,"^",2) S VALMSG="RX# "_$P(^PSRX(PSPRXN,0),"^")_" is not a valid choice.
(Different Division)" S PSORXED("DFLG")=1 Q
.I $P(PSOSYS,"^",3) K DIR,DUOUT,DTOUT D K DIR,DUOUT,DTOUT Q
..W $C(7) S DIR("A",1)="",DIR("A",2)="RX# "_$P(^PSRX(PSPRXN,0),"^")_" is from another
division.",DIR("A")="Continue: (Y/N)",DIR(0)="Y",DIR("?",1)="'Y' FOR YES",DIR("?",2)="'N' FOR NO"
..S DIR("B")="N" D ^DIR I 'Y!($D(DIRUT)) S PSORXED("DFLG")=1 W !
;
I $P(^PSRX(PSORXED("IRXN"),"STA"),"^")=16 S PSORXED("DFLG")=1 S VALMSG=
"Prescriptions on Provider Hold cannot be edited." Q
CHKX K PSPOP,DIR,DTOUT,DUOUT,Y,X Q
Q
PROV ;select provider
S PSORXED("PROVIDER")=$P(RX0,"^",4),PSORXED("PROVIDER NAME")=$P(^VA(200
,$P(RX0,"^",4),0),"^")
D PROV^PSODIR(.PSORXED) I PSORXED("PROVIDER")'=$P(RX0,"^",4) D
.K DIR,DIRUT W ! S DIR(0)="Y",DIR("A",1)="You have changed the name of the provider
entered for this Rx."
.S DIR("A",2)="This edit will cause the provider's name to be update for all
fills.",DIR("A")="Do you want to continue" D ^DIR
.I 'Y!$D(DIRUT) K PSORX("PROVIDER"),PSORX("PROVIDER NAME"),PSORX("COSIGNING PROVIDER") Q
.S PSORXED("FLD",4)=PSORXED("PROVIDER") K DIR,DIRUT,DUOUT
.S PSORXED("FLD",109)=$G(PSORXED("COSIGNING PROVIDER"))
Q
UDPROV ;update provider
S $P(^PSRX(PSORXED("IRXN"),0),"^",4)=PSORXED("PROVIDER"),$P(^ (3),"^",3)
=$G(PSORX("COSIGNING PROVIDER"))
F XTY="1","P" F I=0:0 S I=$O(^PSRX(PSORXED("IRXN"),XTY,I)) Q:'I S $P(^
PSRX(PSORXED("IRXN"),XTY,I,0),"^",17)=PSORXED("PROVIDER") S:XTY RFED=I
K XTY,I
Q
SIG ;edit medication instructions (SIG)
S PSOFDR=+$P(^PSRX(PSORXED("IRXN"),"SIG"),"^",2) I PSOFDR D
.F I=0:0 S I=$O(^PSRX(PSORXED("IRXN"),"SIG1",I)) Q:'I S SIG(I)=^PSRX(P
SORXED("IRXN"),"SIG1",I,0)
E S PSORX("SIG")=$P(^PSRX(PSORXED("IRXN"),"SIG"),"^")
D SIG^PSODIR1(.PSORX) D:$G(PSORX("SIG"))]" " EN1^PSOSIGNO(PSORXED("IRXN"),PSORX("SIG"))

```

X("SIG")	<pre> I '\$G(PSOSIGFL),\$G(PSORX("SIG"))]' S ^PSRX(PSORKED("IRXN"),"SIG")=PSOR K ^PSRX(PSORKED("IRXN"),"SIG1") Q S PSOMRFLG=1 Q UL ; I '\$G(PSOLOKED) Q D UL^PSSLOCK(PSODFN) D PSOUL^PSSLOCK(\$P(PSOLST(ORN),"^",2)) Q SVAL ;Set message for patient lock S VALMSG=\$S(\$P(\$G(PSOPLCK),"^",2)'="":\$P(\$G(PSOPLCK),"^",2)" is working on this patient.",1:"Another person is entering orders for this patient.") Q SVALO ;Set message for order lock S VALMSG=\$S(\$P(\$G(PSOMSG),"^",2)'="":\$P(\$G(PSOMSG),"^",2),1:"Another person is editing this order.") Q ; PAUSE ; N DIR,X,Y W ! S DIR(0)="E",DIR("A")="Press Return to continue" D ^DIR Q ; </pre>
Modified Logic (Changes are in bold)	

6.2.12.1.2.27 PSOORNE4

Routine Name	PSOORNE4	
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
Requirement Traceability Matrix	CR1006	
Related Options	Patient Prescription Processing [PSO LM BACKDOOR ORDERS] Complete Orders from OERR [PSO LMOE FINISH] View Prescriptions [PSO VIEW] Edit Prescriptions [PSO RXEDIT]	
Related Routines	Routines “Called By”	Routines “Called”
	PSOLMUTL, PSOORRNW, PSORENW0, PSORENW2, PSORENW4	ORCFLAG, PSOBKDED, PSOBUILD, PSODIR, PSOFSIG, PSOHELP, PSOLMRN, PSOLMUTL, PSONEW, PSONFI, PSOORED5, PSOORFI5, PSOORNE5, PSOORNE6, PSOORUT2, PSOPKIV1, PSORENW, PSORENW1, PSORN52, PSORN52, PSOUTIL, PSOVER1
Data Dictionary (DD) References		
Related Protocols		
Related Integration Control Registrations (ICRs)	;^SC DBIA-10040;^PS(50.7-2223;^PS(50.606-2174;^PS(50.607-2221;^PS(51.2-2226;^PSDRUG-221;^PS(55-2228 ;External reference to EN1^ORCFLAG supported by DBIA 3620	
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and	Name:	

Definition	Definition:
Output Attribute Name and Definition	Name: Definition:
Current Logic	
<pre> PSORNE4 ;BIR/SAB-display renew RXs from backdoor ;07/29/96 ; ;7.0;OUTPATIENT PHARMACY;*11,27,32,36,46,75,96,103,99,117,131,225,386,390,391**;DEC 1997;Build 13 ;^SC DBIA-10040;^PS(50.7-2223;^PS(50.606-2174;^PS(50.607-2221;^PS(51.2- 2226;^PSDRUG-221;^PS(55-2228 ;External reference to EN1^ORCFLAG supported by DBIA 3620 ; EN(PSONEW) N FLD,LST,VALMCNT EN1 K PSOQUIT D:\$G(PSONEW("ENT"))>0 I \$G(PSORENW("POE"))=1 S PSOREEDT=1 D SV .S PSOREEDT=1 D SV .K PSONEW("DOSE"),PSONEW("UNITS"),PSONEW("DOSE ORDERED"),PSONEW("ROUTE") .K PSONEW("SCHEDULE"),PSONEW("DURATION"),PSONEW("CONJUNCTION"),PSONEW(" NOUN"),PSONEW("VERB"),PSOPRC,PSONEW("ODOSE") RDD D DSPL,^PSOLMRN D:\$G(PK11)=2 DCP^PSOPKIV1 I \$G(PSORX("FN")) S VALMBCK="Q" K PSOREEDT Q G:\$G(PSOQUIT) RDD Q EDT D KV^PSOVER1 S DIR("A")="Select Field to Edit by number",DIR(0)="LO^1:" _\$S(\$G(PSOREEDT):10,1:8) D ^DIR I \$D(DTOUT)!(\$D(DUOUT)) D KV^PSOVER1 S VALMBCK="" Q EDTSEL S PSOLM=1,(PSONEW("DFLG"),PSONEW("FIELD"),PSONEW3)=0 I +Y S LST=Y D HLDHDR^PSOLMUTL S PSOEDT=1 D Q:\$G(PSODIR("DFLG"))!(\$G(PSODIR("QFLG"))) .F FLD=1:1:\$L(LST,"") Q:\$P(LST,"",FLD)']"" D @(+ \$P(LST,"",FLD)) Q:\$ G(PSODIR("DFLG"))!(\$G(PSODIR("QFLG"))) E S VALMBCK="" D FULL^VALM1 Q ACP ; Renewal Accept N DIR,Y,DIRUT,DUOUT,DTOUT,DIR S Y=0 I \$G(ORD),+\$P(\$G(^PS(52.41,+ORD,0)),"^",23)=1 D Q:\$D(DIRUT)!'Y D EN1^ ORCFLAG(+ \$P(\$G(^PS(52.41,ORD,0)),"^")) H 1 . D FULL^VALM1 . I '\$D(^XUSEC("PSORPH",DUZ)) D S Y=0 Q . . S DIR("A",1)="Order must be unflagged by a pharmacist before it can be finished." . . S DIR("A",2)="" . . S DIR(0)="E",DIR("A")="Enter RETURN to continue" W !,\$C(7) D ^DIR . . S VALMBCK="R" . D FULL^VALM1 . S DIR("A",1)="This Order is flagged. In order to finish it" . S DIR("A",2)="you must unflag it first." . S DIR("A",3)="" . S DIR(0)="Y",DIR("A")="Unflag Order",DIR("B")="NO" . W ! D ^DIR I \$D(DIRUT)!'Y S VALMBCK="Q" I \$G(ORD),+\$P(\$G(^PS(52.41,+ORD,0)),"^",23)=1 Q ; D INST2^PSORENW S PSOFROM=1 D:\$D(^XUSEC("PSORPH",DUZ))!('\$P(PSOPAR,"^",2)) VER K PSOFROM1 PKI I \$G(PSONEW("QFLG")) S POERR("DFLG")=1,VALMBCK="R" K PSONEW2 Q I PSONEW("ENT")>0,\$G(NEWDOS) K NEWDOS G EN1 Q S PSORX("FN")=1 D EN^PSORN52(.PSONEW) D:\$G(PKI)=89802020 ALERT^PSOPKIV1 ;save drug allergy order chks pso*7*390 I +\$G(^TMP("PSODAC", \$J,1,0)) D .I \$G(PSORX("DFLG")) K ^TMP("PSODAC", \$J) Q .S RXN=PSORENW("IRXN"),PSODAC="Finished CPRS Rx " _\$S(\$P(^PSRX(RXN,"STA "),"^")=4:"NON-VERIFIED ",1:"") _"RENEW Order Acceptance_OP" .D DAC^PSONEW D RNPSOD^PSOUTIL,ACP1^PSORNE6,^PSOBUILD S VALMBCK="Q" Q VER1(PSONEW) ; VER S (PSONEW("DFLG"),PSONEW("QFLG"))=0 I PSONEW("ENT")=0 D K PSOORRNW,PSO FROM1 I PSONEW("DFLG")=1 S (PSONEW("QFLG"),POERR("DFLG"))=1 Q .S (PSOREEDT,PSOORRNW)=1 W !,"Dosing Instruction Missing!!",! .S PSONEW("IRXN")=PSONEW("OIRXN") K VALMSG D FULL^VALM1 W !,"Drug: " _PSODRUG("NAME") D .I \$O(SIG(0)) D Q . .F I=1:1 Q:\$G(SIG(I))']"" W !,SIG(I) .I \$P(\$G(^PSRX(PSONEW("OIRXN"),"SIG")), "^")]'"" S X=\$P(^PSRX(PSONEW("OIRXN"),"SIG"), "^") </pre>	

PRE MOCHA v2.1

System Design Document


```

Conjunction: "_$(G(PSONEW("CONJUNCTION",I)))="A":"AND",$(G(PSONEW("CONJUNCTION",I)))="T":"THEN",$(G(PSONEW("CONJUNCTION",I)))="X":"EXCEPT",1:"")
PAT S IEN=IEN+1,^TMP("PSOPO",$J,IEN,0)=$$(G(PSOREEDT):" (10)",1:"")_Pat Instruction:"
D INS2^PSOBKDED
S RXN=PSONEW("OIRXN") D INST1^PSORENW
;I $O(PCR(0)) D PC1^PSORNE5
K RXN S IEN=IEN+1,^TMP("PSOPO",$J,IEN,0)=" SIG:"
I $(SIGOK),$O(SIG(0)) D K SG,MIG
.F I=0:0 S I=$O(SIG(I)) Q:'I F SG=1:1:$L(SIG(I)) D
..S:$L(^TMP("PSOPO",$J,IEN,0)"_"_$(P(SIG(I)," ",SG))>80 IEN=IEN+1,$P(^T
MP("PSOPO",$J,IEN,0)," ",21)=" "
..S:$P(SIG(I)," ",SG)'=" ^TMP("PSOPO",$J,IEN,0)=$G(^TMP("PSOPO",$J,IEN,0))_"
_"_$(P(SIG(I)," ",SG)
E D
.S X=$$(G(PSONEW("SIG"))]"":PSONEW("SIG"),1:$P($G(^PSRX(PSONEW("OIRXN"),"SIG")),"^")) D
SIGONE^PSOHELP S SIG=$E($G(INS1),2,250)
.F SG=1:1:$L(SIG) S:$L(^TMP("PSOPO",$J,IEN,0)"_"_$(P(SIG," ",SG))>80 IE
N=IEN+1,$P(^TMP("PSOPO",$J,IEN,0)," ",21)=" " S:$P(SIG," ",SG)'=" ^TMP("PSOPO",
$J,IEN,0)=$G(^TMP("PSOPO",$J,IEN,0))_"_$(P(SIG," ",SG)
S IEN=IEN+1,^TMP("PSOPO",$J,IEN,0)=" Days Supply: "_PSONEW("DAYS
SUPPLY")_$(L(PSONEW("DAYS SUPPLY"))=1:" ",1:"")
S IEN=IEN+1,^TMP("PSOPO",$J,IEN,0)=" QTY_$(G(PSODRUG("UNIT"))]"":")
("PSODRUG("UNIT")_"",1:" ( )")_"": "_PSONEW("QTY")
I $D(^PSDRUG("AQ",PSODRUG("IEN"))),$P($G(^PSDRUG(PSODRUG("IEN"),5)),"^"))]" D
.S $P(RN," ",79)=" ",IEN=IEN+1
.S ^TMP("PSOPO",$J,IEN,0)=" QTY DSP MSG: "_$(P(^PSDRUG(PSODRUG("IEN"),5)),"^")
S IEN=IEN+1,^TMP("PSOPO",$J,IEN,0)=" (3) # of Refills: "_PSONEW("# OF
REFILLS")_$(L(PSONEW("# OF REFILLS"))=1:" ",1:"")
S IEN=IEN+1,^TMP("PSOPO",$J,IEN,0)=" (4) Routing: "_$(G(PSORE
NW("MAIL/WINDOW"))["W": "WINDOW",1:"MAIL"])
S:$G(PSONEW("METHOD OF PICK-UP"))]"&($P(PSOPAR,"^",12)) IEN=IEN+1,^TMP
("PSOPO",$J,IEN,0)=" Method of Pickup: "_PSONEW("METHOD OF PICK-UP")
S IEN=IEN+1,^TMP("PSOPO",$J,IEN,0)=" (5) Clinic: "_$(G(PSONE
W("CLINIC")):$P(^SC(PSONEW("CLINIC"),0),"^",1:"")
S $P(RN," ",31)=" ",IEN=IEN+1,^TMP("PSOPO",$J,IEN,0)=" (6) Provider:
"_PSONEW("PROVIDER NAME")_$(RN,$L(PSONEW("PROVIDER NAME")+1,31)) K RN
I $(PSODRUG("DEA"))+$PSODRUG("DEA")>1+$PSODRUG("DEA")<6 D PRV^PSORFI5
($G(PSORENW("PROVIDER")),$G(PSODRUG("IEN")))
I $(PSONEW("COSIGNING PROVIDER"))]" S IEN=IEN+1,^TMP("PSOPO",$J,IEN,0)=" Cos-
Provider: "_$(P(^VA(200,PSONEW("COSIGNING PROVIDER"),0)),"^")
S IEN=IEN+1,^TMP("PSOPO",$J,IEN,0)=" (7) Copies: "_$(G(PSONE
W("COPIES")):PSONEW("COPIES"),1:1)
RMK S IEN=IEN+1,^TMP("PSOPO",$J,IEN,0)=" (8) Remarks: "_$(G(PSONE
W("REMARKS"))]"":PSONEW("REMARKS"),1:"")
S $P(RN," ",35)=" ",IEN=IEN+1,^TMP("PSOPO",$J,IEN,0)=" Entry By: "_$(P
(^VA(200,DUZ,0),"^")_$(RN,$L($P(^VA(200,DUZ,0),"^")+1,35))
I $(PSOFDR) S ^TMP("PSOPO",$J,IEN,0)=" Entry By: "_$(P(^VA(200,$P(OR0
,"^",4),0),"^")_$(RN,$L($P(^VA(200,$P(OR0,"^",4),0),"^")+1,35))
D NOW%DTC S PSONEW("LOGIN DATE")=$$(P($G(OR0),"^",6):$P($G(OR0),"^",6),1:%) K %,X S
Y=PSONEW("LOGIN DATE") X ^DD("DD")
S ^TMP("PSOPO",$J,IEN,0)=^TMP("PSOPO",$J,IEN,0)"_Entry Date: "_$(P(Y,"@")_" "_$(P(Y,"@"),2)
K RN
S (VALMCNT,PSOPF)=IEN
I $(PSOFDR) D:$P(OR0,"^",24)
.K PSOCSP S PSOCSP("NAME")=$G(PSODRUG("NAME")) M PSOCSP("DOSE")=PSONEW(
"DOSE"),PSOCSP("DOSE ORDERED")=PSONEW("DOSE ORDERED")
.S PSOCSP("# OF REFILLS")=PSONEW("# OF REFILLS") ;track original data for dig. orders
.S PSOCSP("ISSUE DATE")=$E($P(OR0,"^",6),1,7),PSOCSP("QTY")=PSONEW("QTY"),
PSOCSP("DAYS SUPPLY")=PSONEW("DAYS SUPPLY")
Q
1 D 1^PSOBKDED Q
2 D 2^PSOBKDED Q
3 I $P($G(OR0),"^",24) D Q
.W !!,"Digitally Signed Order - Refills cannot be changed",! D PZ
D 9^PSOBKDED Q
4 D 12^PSOBKDED Q
5 D 5^PSOBKDED Q
6 I $P($G(OR0),"^",24) D Q
.W !!,"Digitally Signed Order - Provider cannot be changed",! D PZ
D 4^PSOBKDED Q
7 D 11^PSOBKDED Q

```

8	D 13^PSOBKDED Q
9	W !!,"Drug: "_PSODRUG("NAME") S PSOORRNW=1 D DOSE1^PSOORED5(.PSONEW) I \$G(PSONEW("DFLG")) S PSODIR("DFLG")=1,VALMBCK="Q" Q D SV Q
10	D INS^PSODIR(.PSONEW),SINS^PSODIR(.PSONEW) D SV Q
SV	D SV^PSOORNE5 Q
	;
PZ	;
	N DIR S DIR(0)="E",DIR("A")="Press Return to Continue" D ^DIR W !
	Q
Modified Logic (Changes are in bold)	

6.2.12.1.2.28 PSOORNEW

Routine Name	PSOORNEW	
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
Requirement Traceability Matrix	CR1006	
Related Options	Patient Prescription Processing [PSO LM BACKDOOR ORDERS] Complete Orders from OERR [PSO LMOE FINISH] View Prescriptions [PSO VIEW] Edit Prescriptions [PSO RXEDIT]	
Related Routines	Routines “Called By”	Routines “Called”
	PSOBKDED, PSODOSUT	ORCFLAG, PSODIAG, PSODOSUT, PSODRG, PSOLMP01, PSON52, PSONEW, PSONEW2, PSONEWF, PSONFI, PSONRXN, PSOORDRG, PSOORED4, PSOORFI1, PSOORFI2, PSOORFI4, PSOORFI5, PSOORNE1, PSOORNW1, PSOORNW2, PSOPKIV1, PSOUTIL, PSOVER1, PSSDSAPI
Data Dictionary (DD) References		
Related Protocols		
Related Integration Control Registrations (ICRs)	;^PS(50.7 -2223 ;^PSDRUG -221 ;^PS(50.606 -2174 ;^PS(55 -2228 ;EN1^ORCFLAG -3620 ;External reference to \$\$DS^PSSDSAPI supported by DBIA 5424 ; ;PSO*237 quit Finish if Today > Issue date + 365	
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	Name: Definition:	
Output Attribute Name and Definition	Name: Definition:	
Current Logic		
PSOORNEW ;BIR/SAB - display orders from oerr ;6/19/06 3:53pm		

```

;7.0;OUTPATIENT PHARMACY;**11,23,27,32,55,46,71,90,94,106,131,133,143,
237,222,258,206,225,251,386,390,391**;DEC 1997;Build 13
;^PS(50.7 -2223
;^PSDRUG -221
;^PS(50.606 -2174
;^PS(55 -2228
;EN1^ORCFLAG -3620
;External reference to $$DS^PSSDSAPI supported by DBIA 5424
;
;PSO*237 quit Finish if Today > Issue date + 365
;
DSPL I $G(PSODSPL) S VALMBCK="Q" K PSODSPL,PSOANSQD Q
Q:'$D(PSOLMC) K ^TMP("PSOPO",$J) S PSOLMC=PSOLMC+1
I $D(CLOZPAT) S PSONEW("DAYS SUPPLY")=$S($G(PSONEW("DAYS SUPPLY")):PSON
EW("DAYS SUPPLY"),1:7) G OI
S PSONEW("DAYS SUPPLY")=$S($G(PSONEW("DAYS SUPPLY")):PSONEW("DAYS SUPPLY"),
+$G(^PS(55,PSODFN,"PS"))&($P(^PS(53,$G(^PS(55,PSODFN,"PS")),0),"^",3))&('$G
(PSONEW("DAYS SUPPLY")):$P(^PS(53,$G(^PS(55,PSODFN,"PS")),0),"^",3),1:30)
OI I '$G(PSODRUG("OI")) D
.S (OI,PSODRUG("OI"))=$P(OR0,"^",8),PSODRUG("OIN")=$P(^PS(50.7,$P(OR0,"
^",8),0),"^",OID=$P(OR0,"^",9)
.I $P($G(OR0),"^",9) S POERR=1,DREN=$P(OR0,"^",9) D DRG^PSOORDRG K POERR
I '$D(CLOZPAT) I $G(PSODRUG("DEA"))["A",$G(PSODRUG("DEA"))["B"!($G(PSODRUG("DEA"))["F"])
S PSONEW("# OF REFILLS")=0
I $D(CLOZPAT) S PSONEW("# OF REFILLS")=$S($D(PSONEW("# OF REFILLS")):PS
ONEW("# OF REFILLS"),$G(CLOZPAT)=2&($P(OR0,"^",11)>2):3,$G(CLOZPAT)&($P(OR0,"^",11)>1):1,1:0)
S IEN=0 D OBX^PSOORFI1,DIN^PSONFI(PSODRUG("OI"),$S($G(PSODRUG("IEN")):P
SODRUG("IEN"),1:""))
D LMDISP^PSOORFI5(+$G(ORD)) ; Display Flag/Unflag Information
S IEN=IEN+1,^TMP("PSOPO",$J,IEN,0)="*(1) Orderable Item: "_$P(^PS(50.7,
PSODRUG("OI"),0),"^")_" "_$P(^PS(50.606,$P(^(),0),"^",2),0),"^")_NFIO
S:NFIO["<DIN>" NFIO=IEN_"_"($L(^TMP("PSOPO",$J,IEN,0))-4)
K LST I $G(PSODRUG("NAME"))]" D G PT
.S IEN=IEN+1,^TMP("PSOPO",$J,IEN,0)=" (2)"_$S($D(^PSDRUG("AQ",PSODRUG("IEN"))):"
CMOP ",1:" " )_"Drug: "_PSODRUG("NAME")_NFID
.S:NFID["<DIN>" NFID=IEN_"_"($L(^TMP("PSOPO",$J,IEN,0))-4)
.I $P($G(^PSDRUG(PSODRUG("IEN"),0)),"^",10)]" S IEN=IEN+1,^TMP("PSOPO",$J,IEN,0)="
Drug Message:" D DRGMSG
S IEN=IEN+1,^TMP("PSOPO",$J,IEN,0)=" (2) Drug: No Dispense Drug Selected"
PT D DOSE2^PSOORFI4
S IEN=IEN+1,^TMP("PSOPO",$J,IEN,0)=" (4) Pat Instruct:" D:$O(PSONEW("
SIG",0)) INST^PSOORFI4
S IEN=IEN+1,^TMP("PSOPO",$J,IEN,0)=" Provider Comments:" S TY=3 D INST^PSOORFI1
S IEN=IEN+1,^TMP("PSOPO",$J,IEN,0)=" Instructions:" S TY=2 D INST^PSOORFI1
K PSOELSE S IEN=IEN+1,^TMP("PSOPO",$J,IEN,0)=" SIG:"
F I=0:0 S I=$O(SIG(I)) Q:'I S SIG=SIG(I) D
.F SG=1:1:$L(SIG) S:$L(^TMP("PSOPO",$J,IEN,0))_"_"_$P(SIG," ",SG))>80 IE
N=IEN+1,$P(^TMP("PSOPO",$J,IEN,0)," ",20)=" " S:$P(SIG," ",SG)'=" ^TMP("PSOPO",
$J,IEN,0)=$G(^TMP("PSOPO",$J,IEN,0))_"_"_$P(SIG," ",SG)
S IEN=IEN+1,^TMP("PSOPO",$J,IEN,0)=" (5) Patient Status: "_$P($G(^PS(53
,+PSONEW("PATIENT STATUS"),0)),"^")
K PSOELSE I $G(PSONEW("ISSUE DATE"))]" S PSOELSE=1 S IEN=IEN+1,(PSOID
,Y)=$E($P(OR0,"^",6),1,7) X ^DD("DD") S PSONEW("ISSUE DATE")=Y,^TMP("PSOPO",$J,IEN,0)=" (4)
Issue Date: "_Y
I '$G(PSOELSE) S IEN=IEN+1,^TMP("PSOPO",$J,IEN,0)=" (6) Issue Date:
"_PSONEW("ISSUE DATE")
K PSOELSE I $G(PSORX("FILL DATE"))]" S PSOELSE=1 D
.S (Y,PSORX("FILL DATE"))=$S($E($P(OR0,"^",6),1,7)<DT:DT,1:$E($P(OR0,"^
",6),1,7)) X ^DD("DD") S PSONEW("FILL DATE")=Y,^TMP("PSOPO",$J,IEN,0)=^TMP("PSOPO",$J,IEN,0)_
(5) Fill Date: "_Y
I '$G(PSOELSE) S Y=PSORX("FILL DATE") X ^DD("DD") S PSORX("FILL DATE")=Y,^TMP
("PSOPO",$J,IEN,0)=^TMP("PSOPO",$J,IEN,0)_ (7) Fill Date: "_PSORX("FILL DATE")
I $P(OR0,"^",18) S IEN=IEN+1,Y=$P(OR0,"^",18) X ^DD("DD") S $P(^TMP("PSOPO",$J,IEN,0),"
",39)="Effective Date: "_Y
I $D(CLOZPAT) D ELIG^PSOORFI2 S:$D(PSONEW("QTY")) PSONEW("QTY")=0
S IEN=IEN+1,^TMP("PSOPO",$J,IEN,0)=" (8) Days Supply: "_PSONEW("DAYS SUPPLY")
S ^TMP("PSOPO",$J,IEN,0)=^TMP("PSOPO",$J,IEN,0)_ (9) Q
TY"$S($P($G(^PSDRUG(+$G(PSODRUG("IEN")),660)),"^",8)]": ("_"_$P($G(^PSDRUG(+PSO
DRUG("IEN"),660)),"^",8))_"",1:" (" )")
S ^TMP("PSOPO",$J,IEN,0)=^TMP("PSOPO",$J,IEN,0)_": "_$S($G(PSONEW("QTY"
))]"":PSONEW("QTY"),1:$P(OR0,"^",10))

```

```

I $P($G(^PSDRUG(+ $G(PSODRUG("IEN"),5)),^"))]" " D
.S $P(RN," ",79)=" ",IEN=IEN+1
.S ^TMP("PSOPO",$J,IEN,0)=$E(RN,$L("QTY DSP MSG: "_$P(^PSDRUG(PSODRUG("
IEN"),5),^"))+1,79)"QTY DSP MSG: "_$P(^PSDRUG(PSODRUG("IEN"),5),^") K RN
S IEN=IEN+1
I $P(OR0,"^",24) S ^TMP("PSOPO",$J,IEN,0)=" Provider ordered: days supply
_"+$P(OR0,"^",22)_, quantity "_+$P(OR0,"^",10)_" & refills "_+$P(OR0,"^",11) E S
^TMP("PSOPO",$J,IEN,0)=" Provider ordered "_+$P(OR0,"^",11)_" refills"
D:$D(CLOZPAT) PQTY^PSOORFI4
S IEN=IEN+1,^TMP("PSOPO",$J,IEN,0)=(10) # of Refills: "_$S($G(PSONEW
("# OF REFILLS"))]"":PSONEW("# OF REFILLS"),1:$P(OR0,"^",11))_" (11) Routing:
"$S($G(PSONEW("MAIL/WINDOW"))="M": "MAIL",1: "WINDOW")
S IEN=IEN+1,^TMP("PSOPO",$J,IEN,0)=(12) Clinic: "_PSORX("CLINIC")
S IEN=IEN+1,^TMP("PSOPO",$J,IEN,0)=(13) Provider: "_PSONEW("PROVIDER NAME")
D:$P(OR0,"^",24)!((+$G(PSODRUG("DEA"))>1)&(+ $G(PSODRUG("DEA"))<6)) PRV^
PSOORFI5($G(PSONEW("PROVIDER")), $G(PSODRUG("IEN")), $P(OR0,"^"))
I $P($G(^VA(200,$S($G(PSONEW("PROVIDER")):PSONEW("PROVIDER"),1:$P(OR0,"
^",5)), "PS")), "^",7)&$P($G(^("PS")), "^",8)) D
.S IEN=IEN+1,PSONEW("COSIGNING PROVIDER")=$S($G(PSONEW("COSIGNING
PROVIDER")):PSONEW("COSIGNING PROVIDER"),1:$P(^("PS"), "^",8))
.S ^TMP("PSOPO",$J,IEN,0)=" Cos-Provider: "_$P(^VA(200,PSONEW("COSIGNING
PROVIDER"),0), "^")
S IEN=IEN+1,^TMP("PSOPO",$J,IEN,0)=(14) Copies: "_$S($G(PSONEW
("COPIES")):PSONEW("COPIES"),1:1)
S PSONEW("REMARKS")=$S($G(PSONEW("REMARKS"))]"":PSONEW("REMARKS"),$P(OR
0,"^",17))="C": "Administered in Clinic.",1:"")
S IEN=IEN+1,^TMP("PSOPO",$J,IEN,0)=(15) Remarks: "
I $G(PSONEW("REMARKS"))]" " D
.F SG=1:1:$L(PSONEW("REMARKS")) S:$L(^TMP("PSOPO",$J,IEN,0)_" "_$P(PSONEW
("REMARKS"), " ",SG))>80 IEN=IEN+1,$P(^TMP("PSOPO",$J,IEN,0)," ",20)=" " D
..S:$P(PSONEW("REMARKS"), " ",SG)'=" " ^TMP("PSOPO",$J,IEN,0)=$G(^TMP("PS
OPO",$J,IEN,0))_" "_$P(PSONEW("REMARKS"), " ",SG)
I $G(PSOSIGFL)!(PSODRUG("OI")'=$P(OR0,"^",8)) S PSONEW("CLERK CODE")=DU
Z,PSORX("CLERK CODE")=$P(^VA(200,DUZ,0),"^"),VALMSG="This change will create a new prescription!"
S $P(RN," ",35)=" ",IEN=IEN+1,^TMP("PSOPO",$J,IEN,0)=" Entry By: "_$P
(^VA(200,PSONEW("CLERK CODE"),0),"^")_E(RN,$L($P(^VA(200,PSONEW("CLERK CODE"),0
),"^"))+1,35)
S Y=$P(OR0,"^",12) X ^DD("DD") S ^TMP("PSOPO",$J,IEN,0)=^TMP("PSOPO",$J
,IEN,0)_"Entry Date: "_$E($P(OR0,"^",12),4,5)_" / "_$E($P(OR0,"^",12),6,7)_" / "_$E(
$P(OR0,"^",12),2,3)_" "_$P(Y,@,2) K RN
I PSOLMC<2 D ^PSOLMPO1 S VALMBCK="Q",PSOLMC=0
S:PSOLMC>1 VALMBCK="R"
Q
ORCHK D PROVCOM^PSOORFI4,ORCHK^PSOORFI4
Q
EDT D KV S DIR("A",1)="* Indicates which fields will create an new Order",DIR("A")="Select
Field to Edit by number",DIR(0)="LO^1:15" D ^DIR Q:$D(DTOUT)!($D(DUOUT))
EDTSEL N LST,FLD,OUT D KV S OUT=0
I +Y S LST=Y D FULL^VALM1 N PSODOSE M PSODOSE=PSONEW D G DSPL
.F FLD=1:1:$L(LST,"") Q:$P(LST,"",FLD)]!"!(OUT) D @(+ $P(LST,"",FLD))
D:$P(LST,"",FLD)=8 REF D KV
E S VALMBCK=" " Q
Q
ACP ;
N DIR,Y S Y=0
I $G(ORD),+$P($G(^PS(52.41,+ORD,0)), "^",23)=1 D Q:$D(DIRUT)!'Y D EN1^
ORCFLAG(+ $P($G(^PS(52.41,ORD,0)), "^")) H 1
. D FULL^VALM1
. I '$D(^XUSEC("PSORPH",DUZ)) D S Y=0 Q
. . S DIR("A",1)="Order must be unflagged by a pharmacist before it can be finished."
. . S DIR("A",2)=" "
. . S DIR(0)="E",DIR("A")="Enter RETURN to continue" W !,$C(7) D ^DIR
. . S VALMBCK="R"
. D KV
. S DIR("A",1)="This Order is flagged. In order to finish it"
. S DIR("A",2)="you must unflag it first."
. S DIR("A",3)=" "
. S DIR(0)="Y",DIR("A")="Unflag Order",DIR("B")="NO"
. W ! D ^DIR I $D(DIRUT)!'Y S VALMBCK="Q"
I $G(ORD),+$P($G(^PS(52.41,+ORD,0)), "^",23)=1 Q
;

```

```

I $D(CLOZPAT),+$G(PSONEW("QTY"))=0 S VALMSG="Unable to calculate the quantity, enter a
quantity" G DSPL
S (PSODIR("DFLG"),PSORX("DFLG"),PSODIR("QFLD"))=0,ACP=1 D ORCHK
G:$G(PSONEW("QFLG")) DSPL
I $G(PSODIR("DFLG"))!$G(PSORX("DFLG")) Q
I $G(PSONEW("FLD"))!($G(PSODRUG("NAME"))]'")!('$O(SIG(0))) G DSPL
I $G(PSODRUG("NAME"))]'",'$G(ORCHK)!($G(ORDRG)'=PSODRUG("NAME")) D I $G(PSORX("DFLG"))
D CLEAN^PSOVER1 G DSPL
. D POST^PSODRG S:$G(PSORX("DFLG")) ORCHK=1,ORDRG=PSODRUG("NAME")
D:$SDS^PSSDSAPI&('$G(PSORX("DFLG")) DOSCK^PSODOSUT("N") I $G(PSORX("DFLG")) D
CLEAN^PSOVER1 G DSPL
I 'D(PSONEW("RX #")) S PSOFROM="NEW",RTN=$S($P($G(PSOPAR),"^",7):"AUTO
^PSONRXN",1:"MANUAL^PSONRXN") D @RTN Q:PSONEW("QFLG") I '$P($G(PSOPAR),"^",7) S
PSOX=PSONEW("RX #") D CHECK^PSONRXN
D RXNCHK^PSOORNE1 I $G(PSONEW("QFLG")) S PSONEW("DFLG")=1 Q
I DT>$FMADD^XLFD($P(OR0,"^",6),365) D EXPR^PSONEW2 G DSPL
D STOP^PSONEW2,DISPLAY^PSONEW2,^PSONEWF
I $G(PSOCPZ("DFLG")) W !,"No action taken!",! K DIR S DIR(0)="E",DIR("?)"="Press Return
to continue",DIR("A")="Press Return to continue" D ^DIR,KV K P
SOCPZ("DFLG"),DRET,PSOANSQD S VALMBCK="Q" Q
;
K SOCPZ("DFLG") D KV S DIR(0)="Y",DIR("A")="Are you sure you want to Accept this
Order",DIR("B")="NO" D ^DIR I $D(DIRUT) D KV K DRET,PSOANSQ,PSOANSQD S VALMBCK="Q" Q
D KV I 'Y K PSOANSQ G DSPL
I $G(PSONEW("MAIL/WINDOW"))['W" D:$P($G(PSOPAR),"^",12) S BINGCRT="Y",
BINGRTE="W",PSORX("MAIL/WINDOW")="WINDOW" K RTN
.W ! K DIR,DIRUT S DIR(0)="52,350"
.S:$G(PSORX("METHOD OF PICK-UP"))]'"" DIR("B")=PSORX("METHOD OF PICK-UP") D ^DIR I
$D(DIRUT) K DIR,DIRUT Q
.S (PSONEW("METHOD OF PICK-UP"),PSORX("METHOD OF PICK-UP"))=Y K X,Y
S PSONEW("POE")=1 D EN^PSON52(.PSONEW) G:$G(PSONEW("DFLG")) ABORT D DCO
RD^PSONEW2 D:$G(PKI)=89802020 ALERT^PSOPKIV1
; saves drug allergy order chks pso*7*390
I +$G(^TMP("PSODAO", $J,1,0)) D
.I $G(PSORX("DFLG")) K ^TMP("PSODAO", $J) Q
.S RXN=PSONEW("IRXN"),PSODAO="Finished CPRS Rx " _$S($P(^PSRX(RXN,"STA"
),"^")=4:"NON-VERIFIED ",1:"")_ "Order Acceptance_OP"
.D DAOC^PSONEW
D NPSOSD^PSOUTIL(.PSONEW),FULL^VALM1 K PSORX("MAIL/WINDOW")
D EOJ^PSONEW
ABORT S VALMBCK="Q",DIR(0)="E",DIR("?)"="Press Return to continue",DIR("A")="Press Return to
Continue" D ^DIR,CLEAN^PSOVER1,KV
Q
KV K DIRUT,DUOUT,DTOUT,DIR
Q
REF D REF^PSOORFI4
Q
1 I $P($G(OR0),"^",24) D Q
. W !,"Digitally Signed Order - Orderable Item cannot be changed",! D PZ
N PSOBDR,PSOBDRG S PSOBDRG=1 D 1^PSOORNW2 Q ;oi
;
4 D INS^PSOORNW2 Q
;
3 I $G(LST)[3,",$P(OR0,"^",24) D Q
. W !,"Digitally Signed Order - Dose cannot be changed",! D PZ
D DOSE^PSOORED4(.PSONEW) Q
;
6 D 4^PSOORNW2 Q ;idt
;
7 D 5^PSOORNW2 Q ;fdt
;
5 D 3^PSOORNW2 Q ;pstat
;
13 I $P($G(OR0),"^",24) D Q
. W !,"Digitally Signed Order - Provider cannot be changed",! D PZ
D 12^PSOORNW2 Q ;doc
;
12 D 11^PSOORNW2 Q ;cli
;
2 N PSOC SIG I '$G(PSOBDRG) N PSOBDR,PSOBDRG S PSOBDRG=1
N CPRN S CPRN=+$P($G(OR0),"^",24) D 2^PSOORNW1 Q:$G(PSOQFLG) D EN^PSODIAG ;drg/ICD

```

	I \$G(PSOCSIG) K PSOCSIG G 3
	Q
	;
9	D 8^PSOORNW2 Q ;qty
	;
8	N CPRN S CPRN=+\$P(\$G(OR0),"^",24) D 7^PSOORNW2 Q ;ds
	;
10	I \$P(\$G(OR0),"^",24) D Q
	. W !!, "Digitally Signed Order - Refills cannot be changed", ! D PZ
	D 9^PSOORNW2 Q ;#rfs
	;
14	D 13^PSOORNW2 Q ;cop
	;
11	D 10^PSOORNW2 Q ;m/w
	;
15	D 14^PSOORNW2 Q ;rem
	;
DRGMSG	;
	F SG=1:1:\$L(\$P(^PSDRUG(PSODRUG("IEN"),0),"^",10)) S:\$L(^TMP("PSOPO",\$J,IEN,0)_"
	"_ \$P(\$P(^PSDRUG(PSODRUG("IEN"),0),"^",10)," ",SG))>80 IEN=IEN+1,\$P(^TMP("PSOPO",\$J,IEN,0),"
	",20)=" " D
	.S:\$P(\$P(^PSDRUG(PSODRUG("IEN"),0),"^",10)," ",SG)'=" " ^TMP("PSOPO",\$J,
	IEN,0)=\$G(^TMP("PSOPO",\$J,IEN,0)_"_ \$P(\$P(^PSDRUG(PSODRUG("IEN"),0),"^",10)," ",SG)
	K SG
	Q
	;
PZ	;
	N DIR S DIR(0)="E",DIR("A")="Press Return to Continue" D ^DIR W !
	Q
	;
Modified Logic (Changes are in bold)	

6.2.12.1.2.29 PSOORRD2

Routine Name	PSOORRD2	
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
Requirement Traceability Matrix	CR1006	
Related Options	Patient Prescription Processing [PSO LM BACKDOOR ORDERS] Complete Orders from OERR [PSO LMOE FINISH] View Prescriptions [PSO VIEW] Edit Prescriptions [PSO RXEDIT]	
Related Routines	Routines "Called By"	Routines "Called"
	PSOCPDUP, PSODGDGI, PSODGDP, PSOORROC, PSOVER1	N/A
Data Dictionary (DD) References		
Related Protocols		
Related Integration Control Registrations (ICRs)	N/A	
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	N/A	

Output Attribute Name and Definition	N/A
Current Logic	
<pre> PSOORD2 ;BHAM-ISC/EJW - Remote Data Interoperability Order Checks - backdoor ;0 6/26/05 ; ;7.0;OUTPATIENT PHARMACY;**207,251,387**;DEC 1997;Build 13 ; DUP ;Remote order - duplicate drug N PSOD0,PSOD1,PSOREMX,RDIINST,FSIG,PSOULN,PSOLF,PSORDI S \$P(PSOULN,"-",79)=" ",PSOT="DD" S PSORDI=0 F S PSORDI=\$O(^TMP(\$J,"DD",PSORDI)) Q:'PSORDI S PSOD0=^TMP (\$J,"DD",PSORDI,0),PSOD1=^(1),PSOREMX=\$P(\$P(PSOD0,"^",4)," ;"),RDIINST=\$P(PSOD0," ^",5),PSOLF=\$P(PSOD1,"^",3) D .W !,PSOULN,! .W "Duplicate Drug in Remote Rx:",! .W \$J("Location Name: ",20)_RDIINST,! .W \$J("Rx #: ",20)_E(PSOREMX,1,\$L(PSOREMX)-1),! .W \$J("Drug: ",20)_P(PSOD1,"^"),! .D FSIG(.FSIG) .W \$J("SIG: ",20) F I=1:1 Q:'\$D(FSIG(I)) W ?20,FSIG(I),! .W \$J("QTY: ",20)_P(PSOD1,"^",5),?44,\$J("Refills remaining: ",20)_P(PSOD1,"^",6) .W !,\$J("Provider: ",20)_P(PSOD1,"^",8),?44,\$J("Issued: ",20)_P(PSOD1,"^",9) .W !,\$J("Status: ",20)_P(PSOD1,"^",2),?44,\$J("Last filled on: ",20)_PSOLF .W !?44,\$J("Days Supply: ",20)_P(PSOD1,"^",4) .W !,PSOULN,! .D PAUSE S ^TMP(\$J,"PSORMDD",PSORDI,0)=1 K PSOT Q ; CLS ;Remote order - duplicate drug class N PSOD0,PSOD1,PSOREMX,RDIINST,FSIG,PSOULN,PSOLF,PSORDI S \$P(PSOULN,"-",79)=" ",PSOT="DC" S PSORDI=0 F S PSORDI=\$O(^TMP(\$J,"DC",PSORDI)) Q:'PSORDI S PSOD0=^TMP (\$J,"DC",PSORDI,0),PSOD1=^(1),PSOREMX=\$P(\$P(PSOD0,"^",6)," ;"),RDIINST=\$P(PSOD0," ^",7),PSOLF=\$P(PSOD1,"^",3) D .W !,PSOULN,! .W " *** SAME CLASS *** OF DRUG IN REMOTE RX FOR ",\$P(PSOD1,"^"),! .W ">> ",RDIINST,! .W "CLASS: ",\$P(PSOD0,"^"),! .W \$J("Rx #: ",20)_E(PSOREMX,1,\$L(PSOREMX)-1),! .W \$J("Status: ",20),_P(PSOD1,"^",2) .W ?44,\$J("Issued: ",20),_P(PSOD1,"^",9) .D FSIG(.FSIG) .W !,\$J("SIG: ",20) F I=1:1 Q:'\$D(FSIG(I)) W ?20,FSIG(I),! .W \$J("QTY: ",20),_P(PSOD1,"^",5),! .W \$J("Provider: ",20),_P(PSOD1,"^",8) .W ?44,\$J("Refills remaining: ",20),_P(PSOD1,"^",6) .W !?44,\$J("Last filled on: ",20),PSOLF .W !?44,\$J("Days Supply: ",20),_P(PSOD1,"^",4) .D PAUSE K PSOT Q FSIG(FSIG) ;Format sig from remote site ;returned in the FSIG array N FFF,NNN,CNT,FVAR,FVAR1,FLIM,HSIG,II,I F I=0:1 Q:'\$D(^TMP(\$J,PSOT,PSORDI,1,I)) S HSIG(I+1)=^(I) FSTART S (FVAR,FVAR1)=" ",II=1 F FFF=0:0 S FFF=\$O(HSIG(FFF)) Q:'FFF S CNT=0 F NNN=1:1:\$L(HSIG(FFF)) I E(HSIG(FFF),NNN)=" "!((\$L(HSIG(FFF))=NNN) S CNT=CNT+1 D I \$L(FVAR)>52 S FSIG(II)=FLIM_" ",II=II+1,FVAR=FVAR1 .S FVAR1=\$P(HSIG(FFF)," ",(CNT)) .S FLIM=FVAR .S FVAR=\$S(FVAR="":FVAR1,1:FVAR_" "_FVAR1) I \$G(FVAR)'="" S FSIG(II)=FVAR I \$G(FSIG(1))=""!((\$G(FSIG(1))="") S FSIG(1)=\$G(FSIG(2)) K FSIG(2) FQUIT Q SIGNIF ; S DIR(0)="SA^1:YES;0:NO",DIR("A")="Do you want to Intervene? ",DIR("B")="Y" W ! D ^DIR </pre>	

<pre> I Y I '\$D(PSORX("INTERVENE")) S PSORX("INTERVENE")=2 I '\$G(Y) K DIR,DTOUT,DIRUT,DIROUT,DUOUT,Y Q Q ; PAUSE ; K DIR W ! S DIR(0)="E",DIR("?")="Press Return to continue",DIR("A")="Press Return to continue..." D ^DIR W ! K DIR Q DRGINT ;DRUG-DRUG INTERACTION WITH ORDER FROM REMOTE SITE N PSOD0,PSOD1,PSOREMX,RDIINST,FSIG,PSOULN,PSOLF,PSOINT,PSORDI S \$P(PSOULN,"-",79)="",PSOT="DI" S PSORDI=0 F S PSORDI=\$O(^TMP(\$J,"DI",PSORDI)) Q:'PSORDI Q:\$G(PSORX("DFLG")) S PSOD0=^TMP(\$J,"DI",PSORDI,0),PSOD1=^(1),PSOREMX=\$P(\$P(PSOD0,"^",8),"; "),RDIINST=\$P(PSOD0,"^",9),PSOLF=\$P(PSOD1,"^",3) D .S PSOINT=\$P(PSOD0,"^",4) .W !,PSOULN,! .W ">> ",RDIINST,! .W ?5,"** ",PSOINT," ** DRUG-DRUG interaction ",\$P(PSOD0,"^",5)," & ",\$ P(PSOD0,"^",6),! .W ?5,"Remote RX # ",\$E(PSOREMX,1,\$L(PSOREMX)-1)," Drug: ",\$P(PSOD1,"^"),! .W \$J("Status: ",20),\$P(PSOD1,"^",2) .W ?44,\$J("Issued: ",20),\$P(PSOD1,"^",9) .D FSIG(.FSIG) .W !,\$J("SIG: ",20) F I=1:1 Q:'\$D(FSIG(I)) W ?20,FSIG(I),! .W \$J("QTY: ",20),\$P(PSOD1,"^",5),! .W \$J("Provider: ",20),\$P(PSOD1,"^",8) .W !?44,\$J("Refills remaining: ",20),\$P(PSOD1,"^",6) .W !?44,\$J("Last filled on: ",20),PSOLF .W !?44,\$J("Days Supply: ",20),\$P(PSOD1,"^",4) .I '\$D(^XUSEC("PSORPH",DUZ)) Q ; CLERK/TECH ENTRY .I PSOINT="CRITICAL" D SIGNIF .I PSOINT="CRITICAL" D CRI K PSOT,PSORDI Q ; CRI ;process new drug interactions entered by pharmacist K DIR S DIR("A",1)="",DIR("A",2)="Do you want to Process medication",DIR("A") =PSODRUG("NAME")_": ",DIR(0)="SA^1:PROCESS;0:ABORT ORDER ENTRY",DIR("B")="P" S DIR("? ",1)="Enter '1' or 'P' to Activate medication",DIR("?")=" '0' or 'A' to Abort Order Entry process" D ^DIR K X1,DIR I 'Y S PSORX("DFLG")=1,DGI="" K DTOUT,DIRUT,DIROUT,DUOUT,PSORX("INTERVENE") Q D SIG^XUSESIG I X1="" K PSORX("INTERVENE") S PSORX("DFLG")=1 Q S PSORX("INTERVENE")=1 K DUOUT,DTOUT,DIRUT,DIROUT Q </pre>	
Modified Logic (Changes are in bold)	

6.2.12.1.2.30 PSOORUT2

Routine Name	PSOORUT2	
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
Requirement Traceability Matrix	CR1006	
Related Options	Patient Prescription Processing [PSO LM BACKDOOR ORDERS] Complete Orders from OERR [PSO LMOE FINISH] View Prescriptions [PSO VIEW] Edit Prescriptions [PSO RXEDIT]	
Related Routines	Routines “Called By”	Routines “Called”
	PSODEM, PSODRG, PSOLMPAT, PSOLMUTL, PSOMPHRC,	GMRADPT, ORB31, ORQPTQ4, ORQQLR1, ORQQVI, ORRD11,

	PSOORUT3, PSOPMP1, PSORX1, PSORXEDT, PSOORFI2	PSODEM, PSOORUT3, PSSDSAPI, SDPHARM1, VADPT
Data Dictionary (DD) References		
Related Protocols		
Related Integration Control Registrations (ICRs)	;External reference to SDPHARM1 supported by DBIA 4196 ;External reference ^PS(55 supported by DBIA 2228 ;External reference ^DIC(31 supported by DBIA 658 ;External reference ^DPT(D0,.372 supported by DBIA 1476 ;External references to ^ORRDI1 supported by DBIA 4659 ;External references to ^XTMP("ORRDI" supported by DBIA 4660 ;External reference to ^GMRADPT supported by DBIA 190 ;External reference to \$\$TERMLKUP^ORB31 supported by DBIA 5140 ;External reference to \$\$BSA^PSSDSAPI supported by DBIA 5425 ;External reference to ^ORQQVI supported by DBIA 5770 ;External reference to ^ORQPTQ4 supported by DBIA 5785 ;External reference to ^ORQQLR1 supported by DBIA 5787	
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	Name: Definition:	
Output Attribute Name and Definition	Name: Definition:	
Current Logic		
<pre> PSOORUT2 ;ISC BHAM/SAB - build listman screen ; 3/20/07 9:47am ; ;7.0;OUTPATIENT PHARMACY;**11,146,132,182,233,243,261,268,264,305,390**;DEC 1997;Build 86 ;External reference to SDPHARM1 supported by DBIA 4196 ;External reference ^PS(55 supported by DBIA 2228 ;External reference ^DIC(31 supported by DBIA 658 ;External reference ^DPT(D0,.372 supported by DBIA 1476 ;External references to ^ORRDI1 supported by DBIA 4659 ;External references to ^XTMP("ORRDI" supported by DBIA 4660 ;External reference to ^GMRADPT supported by DBIA 190 ;External reference to \$\$TERMLKUP^ORB31 supported by DBIA 5140 ;External reference to \$\$BSA^PSSDSAPI supported by DBIA 5425 ;External reference to ^ORQQVI supported by DBIA 5770 ;External reference to ^ORQPTQ4 supported by DBIA 5785 ;External reference to ^ORQQLR1 supported by DBIA 5787 ; K ^TMP("PSOHDR",\$J),^TMP("PSOPI",\$J) S DFN=PSODFN D ^VADPT,ADD^VADPT S ^TMP("PSOHDR",\$J,1,0)=VADM(1),^TMP("PSOHDR",\$J,2,0)=\$P(VADM(2),"^",2) S ^TMP("PSOHDR",\$J,3,0)=\$P(VADM(3),"^",2),^TMP("PSOHDR",\$J,4,0)=VADM(4) ,^TMP("PSOHDR",\$J,5,0)=\$P(VADM(5),"^",2) D NVA S POERR=1 D RE^PSODEM K POERR S ^TMP("PSOHDR",\$J,6,0)=\$S(\$P(WT,"^",8):\$P(WT,"^",9))_ ("_\$P(WT,"^")_)" ,1:"_____ (_____) ") S ^TMP("PSOHDR",\$J,7,0)=\$S(\$P(HT,"^",8):\$P(HT,"^",9))_ ("_\$P(HT,"^")_)" ,1:"_____ (_____) ") K VM,WT,HT S PSOHD=7 S GMRA="0^0^111" D ^GMRADPT S ^TMP("PSOHDR",\$J,8,0)=+\$G(GMRAL) S \$P(^TMP("PSOHDR",\$J,9,0)," " ,62)="ISSUE LAST REF DAY" S ^TMP("PSOHDR",\$J,10,0)=" # RX # DRUG QTY ST DATE "_\$S(\$G(PSORFG):"RELD",1:"FILL")_" REM SUP" S PSOBSA=\$\$BSA^PSSDSAPI(DFN),PSOBSA=\$P(PSOBSA,"^",3),PSOBSA=\$S(PSOBSA'> 0:"_____",1:\$J(PSOBSA,4,2)) S ^TMP("PSOHDR",\$J,12,0)=PSOBSA S RSLT=\$\$CRCL(DFN) ; RSLT -- DATE^CRCL^Serum Creatinine -- Ex. 11/25/11^68.7^1.1 I \$P(RSLT,"^",2)["Not Found" S ZDSPL=" CrCL: "_\$P(RSLT,"^",2) E S ZDSPL=" CrCL: " \$P(\$G(RSLT),"^",2) "(est.) " "(CREAT:" \$P(\$G(RSLT),"^",3) "mg/dL </pre>		

```

"_$P($G(RSLT),"^")_"
  S ^TMP("PSOHDR",$J,13,0)=ZDSPL
  D ELIG^VADPT S IEN=1,^TMP("PSOPI",$J,IEN,0)="Eligibility: "_$P(VAEL(1),
  "^",2)_$S(+VAEL(3):" SC%: "_$P(VAEL(3),"^",2),1:""),IEN=IEN+1
  S N=0 F S N=$O(VAEL(1,N)) Q:'N S $P(^TMP("PSOPI",$J,IEN,0)," ",14)=$P
  (VAEL(1,N),"^",2),IEN=IEN+1
  S ^TMP("PSOPI",$J,IEN,0)="",^TMP("PSOPI",$J,IEN,0)="RX PATIENT STATUS:
  "$_$GET1^DIQ(55,PSODFN,3),IEN=IEN+1
  S ^TMP("PSOPI",$J,IEN,0)="",IEN=IEN+1,^TMP("PSOPI",$J,IEN,0)="Disabilities: "
  F I=0:0 S I=$O(^DPT(DFN,.372,I)) Q:'I S I1=$S($D(^DPT(DFN,.372,I,0)):^(0),1:"") D:+I1
  .S PSDIS=$S($P($G(^DIC(31,+I1,0)),"^",4))&"&($P($G(^DPT(DFN,.372,I,0)):^(0),1:"") D:+I1
  (0),"^"),$P($G(^DIC(31,+I1,0)),"^",4))&"&($P($G(^DPT(DFN,.372,I,0)):^(0),1:"") D:+I1
  .S:SL(^TMP("PSOPI",$J,IEN,0)_PSDIS_"_"_PSCNT_"% ("_$S($P(I1,"^",3):"SC",1:"NSC")_"),
  ">80 IEN=IEN+1,$P(^TMP("PSOPI",$J,IEN,0)," ",14)=" "
  .S ^TMP("PSOPI",$J,IEN,0)=$G(^TMP("PSOPI",$J,IEN,0)_PSDIS_"_"_PSCNT_"%
  ("_$S($P(I1,"^",3):"SC",1:"NSC")_"), "
  S IEN=IEN+1 S ^TMP("PSOPI",$J,IEN,0)="" ,IEN=IEN+1
  I +VAPA(9) S ^TMP("PSOPI",$J,IEN,0)="" (Temp Address from "$_P(VAPA(9),"^",2)_ " till
  "$_S($P(VAPA(10),"^",2))":$P(VAPA(10),"^",2),1:"(no end date)")_"),IEN=IEN+1
  S ^TMP("PSOPI",$J,IEN,0)=VAPA(1) S:VAPA(2)]" IEN=IEN+1,^TMP("PSOPI",$J,IEN,0)=VAPA(2) S
  IEN=IEN+1,^TMP("PSOPI",$J,IEN,0)=VAPA(3)
  S ^TMP("PSOPI",$J,IEN,0)=^TMP("PSOPI",$J,IEN,0)_$J(" ",50-$L(VAPA(3)))_"HOME PHONE:
  "_VAPA(8)
  S PSOTEL=$G(^DPT(DFN,.13))
  S IEN=IEN+1,^TMP("PSOPI",$J,IEN,0)=VAPA(4),^TMP("PSOPI",$J,IEN,0)=^TMP(
  "PSOPI",$J,IEN,0)_$J(" ",50-$L(VAPA(4)))_"CELL PHONE: "_$P(PSOTEL,"^",4)
  S PSOTMP=$P(VAPA(5),"^",2)_ "$_S(VAPA(11))":$P(VAPA(11),"^",2),1:VAP
  A(6)),IEN=IEN+1,^TMP("PSOPI",$J,IEN,0)=PSOTMP
  S ^TMP("PSOPI",$J,IEN,0)=^TMP("PSOPI",$J,IEN,0)_$J(" ",50-$L(PSOTMP))_"WORK PHONE:
  "$_P(PSOTEL,"^",2)
  S MAILD=+$P($G(^PS(55,DFN,0)),"^",3) D K MAILD
  .S PSOTMP="Prescription Mail Delivery: "_$S(MAILD=1:"Certified Mail",MAILD=2:
  "DO NOT MAIL",MAILD=3:"Local - Regular Mail",MAILD=4:"Local - Certified Mail",1:"Regular Mail") S
  IEN=IEN+1,^TMP("PSOPI",$J,IEN,0)=PSOTMP
  .I MAILD<2!(MAILD>4) Q ;ONLY FOR MAIL DELIVERIES 2,3,4
  .N PSOMDEXP,Y
  .S Y=$P($G(^PS(55,DFN,0)),"^",5)
  .I Y,Y'>DT D
  .D DD^%DT S PSOMDEXP=Y
  .S ^TMP("PSOPI",$J,IEN,0)=^TMP("PSOPI",$J,IEN,0)_ "Expire Date: "PSOMDEXP
  S IEN=IEN+1,^TMP("PSOPI",$J,IEN,0)=$S($P($G(^PS(55,DFN,0)),"^",2):"Cannot use safety
  caps.",1:"") S $P(^TMP("PSOPI",$J,IEN,0)," ",40)=$S($P($G(^PS(55,DFN,0)),"^",4):"Dialysis
  Patient.",1:"")
  I $G(^PS(55,DFN,1))]" S PSON=^(1),IEN=IEN+1 D
  .S ^TMP("PSOPI",$J,IEN,0)="" ,IEN=IEN+1,^TMP("PSOPI",$J,IEN,0)="" Outpatient
  Narrative: "
  .F I=1:1 Q:$P(PSON," ",I,99)="" S:SL(^TMP("PSOPI",$J,IEN,0)_$P(PSON,"
  ",I)_ " ">80 IEN=IEN+1 S ^TMP("PSOPI",$J,IEN,0)=$G(^TMP("PSOPI",$J,IEN,0))_$P(PSON," ",I)_ "
  S IEN=IEN+1,^TMP("PSOPI",$J,IEN,0)=""
  I $D(^PS(52.91,DFN,0)) I '$P(^DPT(DFN,.372,I,0)):^(0),1:"") D
  .S IEN=IEN+1,^TMP("PSOPI",$J,IEN,0)="Primary Care Appointment: "$_PRIAPT^SDPHARM1(DFN)
  .S IEN=IEN+1,^TMP("PSOPI",$J,IEN,0)=""
  I 'GMRAL D
  .S IEN=IEN+1,^TMP("PSOPI",$J,IEN,0)="Allergies: "_$S(GMRAL=0:"NKA",1:"")
  .I GMRAL'=0 S PSONOAL="" D ALLERGY I PSONOAL="" S ^TMP("PSOPI",$J,IEN,0)="Allergies:
  "_PSONOAL K PSONOAL
  .S IEN=IEN+1,^TMP("PSOPI",$J,IEN,0)=""
  .D REMOTE
  .S IEN=IEN+1,^TMP("PSOPI",$J,IEN,0)="Adverse Reactions:
  D:$G(GMRAL) ^PSOORUT3
  K ^UTILITY("VASD",$J),VASD S DFN=PSODFN,VASD("F")=DT,VASD("T")=99999999,
  VASD("W")="123456789" D SDA^VADPT K VASD I $D(^UTILITY("VASD",$J)) D
  .S IEN=IEN+1,^TMP("PSOPI",$J,IEN,0)="" ,IEN=IEN+1,^TMP("PSOPI",$J,IEN,0)="Pending Clinic
  Appointments:"
  .F PSOAPP=0:0 S PSOAPP=$O(^UTILITY("VASD",$J,PSOAPP)) Q:'PSOAPP S PSOA
  PPE=$G(^UTILITY("VASD",$J,PSOAPP,"E")),PSOAPPI=$G(^("I")) D
  .K X S X2=DT,X1=$P($P($G(PSOAPPI),"^"),".") I $G(X1) D ^%DTC
  .S IEN=IEN+1,^TMP("PSOPI",$J,IEN,0)="" "$_P(PSOAPPE,"^")_ "$_P(PSO
  APPE,"^",2)_$S($P(PSOAPPI,"^",3))["C": " *** Canceled ***",1:" ("_$G(X)_ " days)")
  K ^UTILITY("VASD",$J),X,PSOAPPI,PSOAPPE,PSOAPP,N,PSOBSA,ZDSPL
  S PSOPI=IEN K IEN

```

```

NVA      Q
;
Q:'$O(^PS(55,PSODFN,"NVA",0))
K LSTDT F I=0:0 S I=$O(^PS(55,PSODFN,"NVA",I)) Q:'I D
.Q:$P(^PS(55,PSODFN,"NVA",I,0),"^",7) Q:'$P(^PS(55,PSODFN,"NVA",I,0),"^")
.I $P(^PS(55,PSODFN,"NVA",I,0),"^",10)>+$G(LSTDT) S LSTDT=$P(^0),"^",10)
I $G(LSTDT)]"" D
.S LSTDT="Non-VA Meds on File - Last entry on "_$E(LSTDT,4,5)_"/_$E(LS
TDT,6,7)_"/_$E(LSTDT,2,3)
.I $G(^TMP("PSOHRD",$J,5,0))="MALE" S $P(^TMP("PSOHRD",$J,5,0)," ",22)=LSTDT K LSTDT Q
.S $P(^TMP("PSOHRD",$J,5,0)," ",20)=LSTDT K LSTDT
K I
Q
REMOTE  ;
I $T(HAVEHDR^ORRDI1)]"" Q
I '$HAVEHDR^ORRDI1 Q
N PSORALG,REAC,S1,A,FILE,LEN,I
K ^TMP($J,"PSOART")
S PSORALG=1,PSORALG(1)="No remote data available"
I $D(^XTMP("ORRDI","OUTAGE INFO","DOWN")) G REMOTE2
I $T(GET^ORRDI1)]"" S PSOSIEN=$G(IEN) D GET^ORRDI1(DFN,"ART") S IEN=PSOSIEN K PSOSIEN D
.I $P($G(^XTMP("ORRDI","ART",DFN,0)),"^",3)=0 S PSORALG(1)="No remote allergies"
.S S1=0,LEN=65,PSORALG=1,PSORALG(1)="" F S S1=$O(^XTMP("ORRDI","ART",DFN,S1)) Q:'S1 D
.S A=$G(^XTMP("ORRDI","ART",DFN,S1,"REACTANT",0)),REAC=$P(A,"^",2),FILE=
$P($P(A,"^",3),"99VA",2)
..I FILE'=50.6,FILE'=120.82,FILE'=50.605,FILE'=50.416 Q
..S ^TMP($J,"PSOART",REAC)=""
.S REAC="" F S REAC=$O(^TMP($J,"PSOART",REAC)) Q:REAC="" D
..I $L(PSORALG(PSORALG))+$L(REAC)<LEN S PSORALG(PSORALG)=PSORALG(PSORALG)_REAC_" " Q
..S PSORALG=PSORALG+1,PSORALG(PSORALG)="" _REAC_" " ,LEN=76
..I PSORALG(PSORALG)]"" $E(PSORALG(PSORALG),$L(PSORALG(PSORALG)))="" S
PSORALG(PSORALG)=$E(PSORALG(PSORALG),1,$L(PSORALG(PSORALG))-1)
REMOTE2 ;
S IEN=IEN+1,^TMP("PSOPI",$J,IEN,0)=" Remote: "_$G(PSORALG(1)) D
.F I=2:1:PSORALG S IEN=IEN+1,^TMP("PSOPI",$J,IEN,0)=PSORALG(I)
K ^TMP($J,"PSOART")
Q
;
ALLERGY ;ALLERGIES & REACTIONS
N GMRA,GMRAL,PSORY,ALCNT,EEE,PSOLG,PSOLGA,TEXT,CCC,CCC2
K ^TMP($J,"PSOALWA")
I '$D(DFN) S DFN=PSODFN
S GMRA="0^0^111" D ^GMRADPT
I $G(GMRAL) S PSORY=0 F S PSORY=$O(GMRAL(PSORY)) Q:'PSORY S ^TMP($J,"
PSOALWA",$S($P(GMRAL(PSORY),"^",4):1,1:2),$S('$P(GMRAL(PSORY),"^",5):1,1:2),$P(G
MRAL(PSORY),"^",7),$P(GMRAL(PSORY),"^",2)))=""
S ^TMP($J,"PSOAPT",1)=$G(PNM)_ " _$G(SSNP),^(2)="Verified Allergies"
S ALCNT=0,EEE=0,(PSOLG,PSOLGA)="" F S PSOLG=$O(^TMP($J,"PSOALWA",1,1,PSOLG)) Q:PSOLG=""
F S PSOLGA=$O(^TMP($J,"PSOALWA",1,1,PSOLG,PSOLGA)) Q:PSOLGA="" S
EEE=1,ALCNT=ALCNT+1,^TMP($J,"PSOAPT",2,ALCNT)=PSOLGA
I 'EEE,$G(GMRAL)=0 S ALCNT=ALCNT+1,^TMP($J,"PSOAPT",2,ALCNT)="NKA"
S ALCNT=0,^TMP($J,"PSOAPT",3)="Non-Verified Allergies"
S EEE=0,(PSOLG,PSOLGA)="" F S PSOLG=$O(^TMP($J,"PSOALWA",2,1,PSOLG)) Q:PSOLG="" F S
PSOLGA=$O(^TMP($J,"PSOALWA",2,1,PSOLG,PSOLGA)) Q:PSOLGA="" S EEE=EEE+1,ALCNT=ALCNT+1,
^TMP($J,"PSOAPT",3,ALCNT)=PSOLGA
I 'EEE,$G(GMRAL)=0 S ALCNT=ALCNT+1,^TMP($J,"PSOAPT",3,ALCNT)="NKA"
S ALCNT=0,^TMP($J,"PSOAPT",4)="Verified Adverse Reactions"
S (PSOLG,PSOLGA)="" F S PSOLG=$O(^TMP($J,"PSOALWA",1,2,PSOLG)) Q:PSOLG="" F S
PSOLGA=$O(^TMP($J,"PSOALWA",1,2,PSOLG,PSOLGA)) Q:PSOLGA="" S ALCNT=ALCNT+1,
^TMP($J,"PSOAPT",4,ALCNT)=PSOLGA
S ALCNT=0,^TMP($J,"PSOAPT",5)="Non-Verified Adverse Reactions"
S (PSOLG,PSOLGA)="" F S PSOLG=$O(^TMP($J,"PSOALWA",2,2,PSOLG)) Q:PSOLG="" F S
PSOLGA=$O(^TMP($J,"PSOALWA",2,2,PSOLG,PSOLGA)) Q:PSOLGA="" S ALCNT=ALCNT+1,
^TMP($J,"PSOAPT",5,ALCNT)=PSOLGA
S TEXT=^TMP($J,"PSOAPT",1) D CHKNO(TEXT)
F CCC=3,4,5 I '$O(^TMP($J,"PSOAPT",CCC,0)) K ^TMP($J,"PSOAPT",CCC)
D PSONOAL
I CCC="NKA" S ^TMP($J,"PSOAPT",2,1)="No Known Allergies" K ^TMP($J,"PSOAPT",3)
S CCC=1,OUT=0
F S CCC=$O(^TMP($J,"PSOAPT",CCC)) Q:CCC="" D Q:OUT
.S TEXT=$G(^TMP($J,"PSOAPT",CCC))

```

	<pre> .I TEXT="No Allergy Assessment" S PSONOAL=TEXT Q .S (TEXT,CCC2)=" ",LENGTH=0 .F S CCC2=\$O(^TMP(\$J,"PSOAPT",CCC,CCC2)) Q:CCC2="" S TEXT=^(CCC2) D CHKNO(TEXT) K ^TMP(\$J,"PSOALWA"),^TMP(\$J,"PSOAPT") Q CHKNO(T) ; I T="No Allergy Assessment" S PSONOAL=T Q PSONOAL ; N FLG3,FLG4,FLG5 S CCC=\$G(^TMP(\$J,"PSOAPT",2,1)) S FLG3=\$G(^TMP(\$J,"PSOAPT",3,1)) S FLG4=\$G(^TMP(\$J,"PSOAPT",4,1)) S FLG5=\$G(^TMP(\$J,"PSOAPT",5,1)) I CCC="",FLG3="",FLG4="",FLG5="" S ^TMP(\$J,"PSOAPT",2,1)="No Allergy Assessment" K ^TMP(\$J,"PSOAPT",3) Q CRCL(DFN) ; N HTGT60,ABW,IBW,BWRATIO,BWDIFF,LOWBW,ADJBW,X1,X2,RSLT,PSCR,PSRW,ABW,ZH T,PSRH,PSCXTL,PSCXTLS,SCR,SCRD,OCXT,OCXTS,SCRV,ZAGE,SEX S RSLT="0^<Not Found>" S PSCR="^^^^^^0" D VITAL^ORQQVI("WEIGHT","WT",DFN,.PSRW,0,"",\$SNOW^XLFD) Q:'\$D(PSRW) RSLT S ABW=\$P(PSRW(1),U,3) Q:+\$G(ABW)<1 RSLT S ABW=ABW/2.2 ;ABW (actual body weight) in kg D VITAL^ORQQVI("HEIGHT","HT",DFN,.PSRH,0,"",\$SNOW^XLFD) Q:'\$D(PSRH) RSLT S ZHT=\$P(PSRH(1),U,3) Q:+\$G(ZHT)<1 RSLT S ZAGE=\$\$AGE^ORQPTQ4(DFN) Q:'ZAGE RSLT S SEX=\$P(\$\$SEX^ORQPTQ4(DFN),U,1) Q:'\$L(SEX) RSLT S PSCXTL="" Q:'\$\$TERMLKUP^ORB31(.PSCXTL,"SERUM CREATININE") RSLT S PSCXTLS="" Q:'\$\$TERMLKUP^ORB31(.PSCXTLS,"SERUM SPECIMEN") RSLT S SCR="",OCXT=0 F S OCXT=\$O(PSCXTL(OCXT)) Q:'OCXT D .S OCXTS=0 F S OCXTS=\$O(PSCXTLS(OCXTS)) Q:'OCXTS D ..S SCR=\$\$LOCL^ORQQLR1(DFN,\$P(PSCXTL(OCXT),U),\$P(PSCXTLS(OCXTS),U)) ..I \$P(SCR,U,7)>\$P(PSCR,U,7) S PSCR=SCR S SCR=PSCR,SCRV=\$P(SCR,U,3) Q:+\$G(SCRV)<.01 RSLT S SCRD=\$P(SCR,U,7) Q:'\$L(SCRD) RSLT ; S HTGT60=\$S(ZHT>60:(ZHT-60)*2.3,1:0) ;if ht > 60 inches I HTGT60>0 D .S IBW=\$S(SEX="M":50+HTGT60,1:45.5+HTGT60) ;Ideal Body Weight .S BWRATIO=(ABW/IBW) ;body weight ratio .S BWDIFF=\$S(ABW>IBW:ABW-IBW,1:0) .S LOWBW=\$S(IBW<ABW:IBW,1:ABW) .I BWRATIO>1.3,(BWDIFF>0) S ADJBW=((0.3*BWDIFF)+IBW) .E S ADJBW=LOWBW I +\$G(ADJBW)<1 D .S ADJBW=ABW S CRCL=((140-ZAGE)*ADJBW)/(SCRV*72)) ; S:SEX="M" RSLT=SCRD_U_\$J(CRCL,1,1) S:SEX="F" RSLT=SCRD_U_\$J((CRCL*.85),1,1) S X1=\$P(RSLT,"^"),X2=\$\$FMTE^XLFD(T,X1,"2M"),\$P(RSLT,"^")=\$P(X2,"@") K X1,X2 S \$P(RSLT,"^",3)=\$P(\$G(SCR),"^",3) K HTGT60,ABW,IBW,BWRATIO,BWDIFF,LOWBW,ADJBW,X1,X2,PSCR,PSRW,ABW,ZHT,PSR H,ZAGE,PSCXTL,PSCXTLS,SCR,OCXT,OCXTS,SCRV,CRCL Q RSLT </pre>
Modified Logic (Changes are in bold)	

6.2.12.1.2.31 PSOQRART

Routine Name	PSOQRART			
Enhancement Category	<input type="checkbox"/> New	<input checked="" type="checkbox"/> Modify	<input type="checkbox"/> Delete	<input type="checkbox"/> No Change

Requirement Traceability Matrix	CR1006	
Related Options	Patient Prescription Processing [PSO LM BACKDOOR ORDERS] Complete Orders from OERR [PSO LMOE FINISH] View Prescriptions [PSO VIEW] Edit Prescriptions [PSO RXEDIT]	
Related Routines	Routines “Called By”	Routines “Called”
	N/A	GMTSUP, ORRDI1
Data Dictionary (DD) References		
Related Protocols		
Related Integration Control Registrations (ICRs)	;Reference to CKP^GMTSUP supported by DBIA 4231 ;References to ORRDI1 supported by DBIA 4659	
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	Name: Definition:	
Output Attribute Name and Definition	Name: Definition:	
Current Logic		
PSOQRART	;HINES/RMS- TIU OBJECT FOR REMOTE ALLERGIES VIA RDI ; 30 Nov 2007 7:56 AM ;7.0;OUTPATIENT PHARMACY;**294**; ;DEC 1997;Build 13 ; ;Reference to CKP^GMTSUP supported by DBIA 4231 ;References to ORRDI1 supported by DBIA 4659	
ENHS	;ENTRY POINT FOR HEALTH SUMMARY OF REMOTE ALLERGY/ADR DATA N PSOQHDR,PSOQRET,PSOQART,PSOQRART,PSOQFAC,PSOQREAC,PSOQRDI,PSOQDOWN Q:'\$G(DFN) S PSOQHDR=\$\$HAVEHDR^ORRDI1 I '+\$G(PSOQHDR) D Q . D CKP^GMTSUP Q:\$D(GMTSQIT) . W !,"Remote Data from HDR not available" . D CKP^GMTSUP Q:\$D(GMTSQIT) D Q:\$G(PSOQDOWN) . I \$D(^XTMP("ORRDI","OUTAGE INFO","DOWN")) H \$\$GET^XPAR("ALL","ORRDI PING FREQ")/2 . I \$D(^XTMP("ORRDI","OUTAGE INFO","DOWN")) S PSOQDOWN=1 D .. D CKP^GMTSUP Q:\$D(GMTSQIT) .. W !,"WARNING: Connection to Remote Data Currently Down",! .. D CKP^GMTSUP Q:\$D(GMTSQIT) D ;RDI/HDR CALL ENCAPSULATION . D SAVDEV^%ZISUTL("PSOQHFS") . S PSOQRET=\$\$GET^ORRDI1(DFN,"ART") . D USE^%ZISUTL("PSOQHFS") . D RMDEV^%ZISUTL("PSOQHFS") I PSOQRET=-1 D Q . D CKP^GMTSUP Q:\$D(GMTSQIT) . W !,"Connection to Remote Data Not Available" . D CKP^GMTSUP Q:\$D(GMTSQIT) I '\$D(^XTMP("ORRDI","ART",DFN))!(!+PSOQRET) D Q . D CKP^GMTSUP Q:\$D(GMTSQIT) . W !,"No Remote Allergy/ADR Data available for this patient" . D CKP^GMTSUP Q:\$D(GMTSQIT) D CKP^GMTSUP Q:\$D(GMTSQIT) W !,"FACILITY",?40,"ALLERGY/ADR",!,"-----",?40,"-----" D CKP^GMTSUP Q:\$D(GMTSQIT) F PSOQART=1:1:PSOQRET D . S PSOQFAC=\$G(^XTMP("ORRDI","ART",DFN,PSOQART,"FACILITY",0))	

<pre> . S PSOQREAC=\$G(^XTMP("ORRDI","ART",DFN,PSOQART,"REACTANT",0)) . Q:\$YESCHK . Q:PSOQFAC']"!"(PSOQREAC']"") . S PSOQREAC=\$P(PSOQREAC,U,2) . S PSOQRART(PSOQFAC,PSOQREAC)=" S PSOQFAC="" F S PSOQFAC=\$O(PSOQRART(PSOQFAC)) Q:PSOQFAC']" D ; . S PSOQREAC="" F S PSOQREAC=\$O(PSOQRART(PSOQFAC,PSOQREAC)) Q:PSOQREAC']" D ; .. D CKP^GMTSUP Q:\$D(GMTSQIT) .. W !,PSOQFAC,?40,PSOQREAC .. D CKP^GMTSUP Q:\$D(GMTSQIT) Q YESCHK() ;DO NOT INCLUDE IF A 'YES' ASSESSMENT I \$P(PSOQREAC,U,2)="YES" Q 0 I \$P(PSOQREAC,U,2)="YES" I \$P(PSOQREAC,U,3)["99VA8" Q 1 Q 1 ;STOP IF THERE IS ANY PROBLEMATIC DATA ;----- </pre>
Modified Logic (Changes are in bold)

6.2.12.1.2.32 PSORENW

Routine Name	PSORENW		
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change		
Requirement Traceability Matrix	CR1006		
Related Options	Patient Prescription Processing [PSO LM BACKDOOR ORDERS] Complete Orders from OERR [PSO LMOE FINISH] View Prescriptions [PSO VIEW] Edit Prescriptions [PSO RXEDIT]		
Related Routines	Routines “Called By”	Routines “Called”	
Data Dictionary (DD) References			
Related Protocols			
Related Integration Control Registrations (ICRs)	;External reference to ^PSDRUG supported by DBIA 221 External references L, UL, PSOL, and PSOUL^PSSLOCK supported by DBIA 2789 External reference to LK^ORX2 and ULK^ORX2 supported by DBIA 867 External reference to ^PS(50.7 supported by DBIA 2223 External reference to MAIN^TIUEDIT supported by DBIA 2410 ;		
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local		
Input Attribute Name and Definition	Name: Definition:		
Output Attribute Name and Definition	Name: Definition:		
Current Logic			
PSORENW ;BIR/SAB-renew main driver ;4/25/07 8:42am ; ;7.0;OUTPATIENT PHARMACY;**11,27,30,46,71,96,100,130,148,206,388,390,417**;;DEC 1997;Build 7			

```

;External reference to ^PSDRUG supported by DBIA 221
;External references L, UL, PSOL, and PSOL^PSSLOCK supported by DBIA 2789
;External reference to LK^ORX2 and ULK^ORX2 supported by DBIA 867
;External reference to ^PS(50.7 supported by DBIA 2223
;External reference to MAIN^TIUEDIT supported by DBIA 2410
;
ASK
;
K PSORENW("FILL DATE") D FILLDT^PSODIR2(.PSORENW) S:$G(P$ORENW("DFLG")) VALMSG="Renew Rx
request canceled",VALMBCK="R"
I PSORENW("DFLG")!( '$D(P$ORENW("FILL DATE")) ) S PSORENW("QFLG")=1,PSORENW("DFLG")=0 G
ASKX
S PSORNW("FILL DATE")=PSORENW("FILL DATE")
D MW^PSOCMOPA(.PSORENW)
I PSORENW("DFLG") S PSORENW("QFLG")=1,PSORENW("DFLG")=0 G ASKX
S PSORNW("MAIL/WINDOW")=PSORENW("MAIL/WINDOW") S PSORX("MAIL/WINDOW")=$
S(P$ORENW("MAIL/WINDOW")="M": "MAIL",1: "WINDOW")
D NOORE^PSONEW(.PSORENW) S:$G(P$ORENW("DFLG")) VALMSG="Renew Rx request
canceled",VALMBCK="R"
I PSORENW("DFLG")!( '$D(P$ORENW("FILL DATE")) ) S PSORENW("QFLG")=1,PSORENW("DFLG")=0
ASKX
Q
;
EOJ
;
K VERB,RTE,DRET,PSOMSG,PSORNW,PSOLIST,PSORENW,PSORX("BAR CODE"),PSORX("FILL
DATE"),PSODIR,PSOID,PSONOR,PSOCOU,PSOCOUU,PSOID,PSOFDMX,PSODRUG,COPY,PSOBCKDR
N ZRXN S ZRXN=$G(RXN)
S RXN=$O(^TMP("PSORXN",$J,0)) I RXN S ZRXN=RXN D
.S RXN1=^TMP("PSORXN",$J,RXN) D EN^PSOHL$N1(RXN,$P(RXN1,"^"),$P(RXN1,"^",2),
,"",$P(RXN1,"^",3))
.I $P(^PSRX(RXN,"STA"),"^")=5 D EN^PSOHL$N1(RXN,"SC","ZS",$P(RXN1,"^",4))
.I saves drug allergy order chks pso*7*390
.I +$G(^TMP("PSODAC",$J,1,0)) D
.I I $G(PSORX("DFLG")) K ^TMP("PSODAC",$J) Q
.I S RXN=ZRXN,PSODAC="Rx Backdoor" _$S($P(^PSRX(RXN,"STA"),"^")=4:"NON-VERIFIED
",1:"") _"RENEW Order Acceptance_OP"
.I D DAOC^PSONEW
K ZRXN,RXN,RXN1,^TMP("PSORXN",$J),^TMP("PSODAC",$J)
I $G(PSONOTE) D MAIN^TIUEDIT(3,.TIUDA,PSODFN,"","","","","1)
K PSONOTE
Q
OERR
;entry for renew backdoor
I $SLMREJ^PSOREJUL($P(PSOLST(ORN),"^",2),,.VALMSG,.VALMBCK) Q
S PSOPLCK=$$L^PSSLOCK(PSODFN,0) I '$G(PSOPLCK) D LOCK^PSOORCPY S VALMSG
=$S($P($G(PSOPLCK),"^",2)'="":$P($G(PSOPLCK),"^",2)" is working on this patient.",1:"Another
person is entering orders for this patient.") K PSOPLCK S VALMBCK="" Q
K PSOPLCK S X=PSODFN_;DPT(" D LK^ORX2 I 'Y S VALMSG="Another person is entering orders
for this patient.",VALMBCK="" D UL^PSSLOCK(PSODFN) Q
K PSOID,PSOFDMX,PSORX("FILL DATE"),PSORENW("FILL DATE"),PSORX("QS"),PSO
RENW("QS"),PSOBARCD,COPY
D PSOL^PSSLOCK($P(PSOLST(ORN),"^",2)) I '$G(PSOMSG) S VALMSG=$S($P($G(PSOMSG),"^",2)'=
":$P($G(PSOMSG),"^",2),1:"Another person is editing this order."),VALMBCK="" K PSOMSG D ULPAT Q
S
PSOBCKDR=1,PSOFROM="NEW",PSORENW("OIRXN")=$P(PSOLST(ORN),"^",2),PSOOPT=3,(PSORENW("DFLG"),PSORENW
("QFLG"),PSORX("DFLG"))=0
S PSONEW("DAYS SUPPLY")=$P(^PSRX(PSORENW("OIRXN"),0),"^",8),PSONEW("# OF
REFILLS")=$P(^0,"^",9)
D FULL^VALM1,ASK D:PSORENW("QFLG") KLIB^PSORENW1 D:PSORENW("QFLG") ULPAT
D:PSORENW("QFLG") PSOL^PSSLOCK($P(PSOLST(ORN),"^",2)) G:PSORENW("QFLG") EOJ D ^PSORENW0
D ULPAT,EOJ,KLIB^PSORENW1 K PSOOPT,PSONEW,PSORX("DFLG")
Q
ULPAT
K PSOMSG D UL^PSSLOCK(PSODFN) S X=PSODFN_;DPT(" D ULK^ORX2
Q
RENEW(PLACER,PSOCPDRG) ;passes flag to CPRS for front door renews
;-1=couldn't find order, 0=unable to renew, 1=renewable
;Placer=Pharmacy number
N PSOSURX,PSORFRM,PSOLC,PSODRG,PSODRUG0,RXN,ST,PSONEW0I,PSOOLDOI,PSOIFLAG,PSOINA
I $G(PLACER){"S"!('$G(PLACER)) Q "-1^Not a Valid Outpatient Medication Order."
S RXN=PLACER I '$D(^PSRX(RXN,0)) Q "-1^Not a Valid Outpatient Medication Order."
S RX0=^PSRX(RXN,0),PSODRG=+$P(^PSRX(RXN,0),"^",6),ST=+^("STA"),PSODRUG0
=^PSDRUG(PSODRG,0)
S PSOIFLAG=0,PSOOLDOI=+$P($G(^PSRX(RXN,"OR1"),"^"),PSONEW0I=+$P($G(^PS
DRUG(+$G(PSODRG),2),"^") I PSONEW0I,PSONEW0I'=PSOOLDOI S PSOIFLAG=1

```

<pre> S PSOINA=\$P(\$G(^PS(50.7,PSONEWOI,0)),^",4) I PSOINA,DT>PSOINA Q "0^This Orderable Item has been Inactivated." I ST=5 S PSOSURX=\$O(^PS(52.5,"B",RXN,0)) I PSOSURX,\$P(\$G(^PS(52.5,PSOSURX,0)),^",7)="L" Q "0^Rx loading into a CMOP Transmission." S X1=DT,X2=-120 D C%DTC I \$P(\$G(^PSRX(RXN,2)),^",6)<X Q "0^Prescription Expired more than 120 Days." S X1=DT,X2=-120 D C%DTC I \$P(\$G(^PSRX(RXN,3)),^",5),\$P(\$G(^PS(3)),^",5))<X,\$P(^("STA"),^")=12 Q "0^Prescription Discontinued more than 120 Days." I \$G(PSOCPDRG),\$G(PSOCPDRG)'=\$G(PSODRG) Q "0^Drug Mismatch, Non-Renewable." N PSOOCPRX,PSOOLPF,PSOOLPD,PSONOSIG S PSOOCPRX=RXN D CDOSE^PSORENW0 I PSOOLPF Q "0^Non- Renewable, invalid Dosage of "_\$G(PSOOLPD) I PSONOSIG Q "0^Non-Renewable, missing Sig." I \$P(\$G(^PSDRUG(PSODRG,2)),^",3)'["O" Q "0^Drug is No longer used by Outpatient Pharmacy." I \$G(^PSDRUG(PSODRG,"I"))]"",DT>\$G(^("I")) Q "0^This Drug has been Inactivated." I (\$P(PSODRUG0,"^",3)[1]!(\$P(PSODRUG0,"^",3)[2]!(\$P(PSODRUG0,"^",3)["W"]) Q "0^Non- Renewable "_\$S(\$P(PSODRUG0,"^",3)["A":"Drug Narcotic.",1:"Drug.") I \$D(^PS(53,\$P(RX0,"^",3),0)),'\$P(^("O"),^",5) Q "0^Non-Renewable Prescription." S PSOLC=\$P(RX0,"^"),PSOLC=\$E(PSOLC,\$L(PSOLC)) I \$A(PSOLC)'<90 Q "0^Max number of renewals (26) has been reached." I ST,ST'=2,ST'=5,ST'=6,ST'=11,ST'=12,ST'=14 Q "0^Prescription is in a Non-Renewable Status." I \$P(\$G(^PSRX(RXN,"OR1")),^",4) Q "0^Duplicate Rx Renewal Request." I \$O(^PS(52.41,"AQ",RXN,0)) Q "0^Duplicate Rx Renewal Request." K PSORFRM,PSOLC,PSODRG,PSODRUG0,RXN,ST Q 1_\$S(\$G(PSOIFLAG):"^"_\$G(PSONEWOI),1:"") ; INST1 ;Set Pharmacy Instructions array N PSOTZ I \$O(^PSRX(RXN,"PI",0)) S PHI=\$G(^PSRX(RXN,"PI",0)),PSOTZ=0 D .F S PSOTZ=\$O(^PSRX(RXN,"PI",PSOTZ)) Q:PSOTZ="" S PHI(PSOTZ)=\$G(^PSRX(RXN,"PI",PSOTZ,0)) Q INST2 ;Set Instructions and Comments I '\$G(PSORENW("OIRXN")) Q I \$G(PSOFDR) Q N PSOPHL,PSOPRL I \$O(^PSRX(PSORENW("OIRXN"),"PI",0)) K PHI S PHI=\$G(^PSRX(PSORENW("OIRXN"),"PI", 0)),PSOPHL="" D .F S PSOPHL=\$O(^PSRX(PSORENW("OIRXN"),"PI",PSOPHL)) Q:PSOPHL="" S PHI (PSOPHL)=\$G(^PSRX(PSORENW("OIRXN"),"PI",PSOPHL,0)) I \$O(^PSRX(PSORENW("OIRXN"),"PRC",0)) K PRC S PRC=\$G(^PSRX(PSORENW("OIR XN"),"PRC",0)),PSOPRL="" D .F S PSOPRL=\$O(^PSRX(PSORENW("OIRXN"),"PRC",PSOPRL)) Q:PSOPRL="" S PR C(PSOPRL)=\$G(^PSRX(PSORENW("OIRXN"),"PRC",PSOPRL,0)) Q </pre>	
Modified Logic (Changes are in bold)	

6.2.12.1.2.33 PSORENW4

Routine Name	PSORENW4	
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
Requirement Traceability Matrix	CR1006	
Related Options	Patient Prescription Processing [PSO LM BACKDOOR ORDERS] Complete Orders from OERR [PSO LMOE FINISH] View Prescriptions [PSO VIEW] Edit Prescriptions [PSO RXEDIT]	
Related Routines	Routines "Called By"	Routines "Called"
	N/A	ORX2, PSOBUILD, PSODIR, PSODIR1, PSODIR2, PSOHLN1, PSONEW,

		PSONEW2, PSOORCPY, PSOORNE4, PSOORUT1, PSOREJU1, PSORENW0, PSORENW1, PSORENW3, PSORN52, PSOUTIL, PSOVER1, PSSLOCK
Data Dictionary (DD) References		
Related Protocols		
Related Integration Control Registrations (ICRs)		;External reference to ^PSDRUG supported by DBIA 221 ;External reference to ^PS(50.7 supported by DBIA 2223 ;External references L, UL, PSOL, and PSOL^PSSLOCK supported by DBIA 2789 ;External reference to LK^ORX2 and ULK^ORX2 supported by DBIA 867
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	Name: Definition:	
Output Attribute Name and Definition	Name: Definition:	
Current Logic		
<pre> PSORENW4 ;BIR/SAB - rx speed renew ; 11/13/08 8:50am ; ;7.0;OUTPATIENT PHARMACY;**11,23,27,32,37,64,46,75,71,100,130,117,152, 148,264,225,301,390**;DEC 1997;Build 86 ;External reference to ^PSDRUG supported by DBIA 221 ;External reference to ^PS(50.7 supported by DBIA 2223 ;External references L, UL, PSOL, and PSOL^PSSLOCK supported by DBIA 2789 ;External reference to LK^ORX2 and ULK^ORX2 supported by DBIA 867 SEL K PSODRUG ;PSO*7*301 I \$P(PSOPAR,"^",4)=0 S VALMSG="Renewing is NOT Allowed. Check Site Parameters!",VALMBCK="" Q N VALMCNT I '\$G(PSOCNT) S VALMSG="This patient has no Prescriptions!",VALMBCK="" Q S PSOPLCK=\$\$L^PSSLOCK(PSODFN,0) I '\$G(PSOPLCK) D LOCK^PSOORCPY S VALMSG =\$S(\$P(\$G(PSOPLCK),"^",2)'="" :\$P(\$G(PSOPLCK),"^",2)" is working on this patient." ,1:"Another person is entering orders for this patient.") K PSOPLCK S VALMBCK="" Q K PSOPLCK S X=PSODFN_;DPT(" D LK^ORX2 I 'Y S VALMSG="Another person is entering orders for this patient.",VALMBCK="" D UL^PSSLOCK(PSODFN) Q K PRC,PHI,PSORX("EDIT"),PSOFDR,DIR,DUOUT,DIRUT,PSORNSPD S DIR("A")="Select Orders by number",DIR(0)="LO^1: "_PSOCNT D ^DIR I \$D(DTOUT)!(\$D(DUOUT)) K DIR ,DIRUT,DTOUT,DUOUT S VALMBCK="" G SELQ K DIR,DIRUT,DTOUT,PSOELSE,DTOUT I +Y S (SPEED,PSOELSE,PSORNSPD)=1 D FULL^VALM1 S LST=Y D .S (PSODIR("DFLG"),PSODIR("FIELD"))=0,PSOOPT=3,(PSORENW("DFLG"),PSORENW ("QFLG"),PSORX("DFLG"))=0 D INIT Q:PSORENW("DFLG") .F ORD=1:1:\$L(LST,"") Q:\$P(LST,"",ORD)']" S ORN=\$P(LST,"",ORD) D:+PSOLST(ORN)=52 PROCESS S PSORENW("DFLG")=0 I '\$G(PSOELSE) S VALMBCK="" G SELQ S VALMBCK="R" D ^PSOBUILD,BLD^PSOORUT1 K DIR,DIRUT,DTOUT,DUOUT,LST,ORD,IEN,ORN,RPH,ST ,REFL,REF,PSOACT,ORSV,PSORNW,PSORENW,PSONO,PSOCO,PSOCU,PSODIR,DSMSG,SPEED,PSOREN W,PSOELSE,PSOOPT,PSORX("FILL DATE"),PSORX("ISSUE DATE"),PSOID,PSOMSG,PSORX("DFLG"),PSOQTY SELQ K PSORNSPD,RTE,DRET,PRC,PHI S X=PSODFN_;DPT(" D ULK^ORX2,UL^PSSLOCK(PS ODFN),CLEAN^PSOVER1 Q ; PROCESS ; Process one order at a time I \$LMREJ^PSOREJU1(\$P(PSOLST(ORN),"^",2)) W \$C(7),!,"Rx "_\$GET1^DIQ(5 2,\$P(PSOLST(ORN),"^",2),.01)" has OPEN/UNRESOLVED 3rd Party Payer Rejects!" K DIR,PSOMSG D PAUSE^VALM1 Q D PSOL^PSSLOCK(\$P(PSOLST(ORN),"^",2)) I '\$G(PSOMSG) W \$C(7),!,\$S(\$P(\$G (PSOMSG),"^",2)'="" :\$P(\$G(PSOMSG),"^",2),1:"Another person is editing Rx "_\$P(^P SRX(\$P(PSOLST(ORN),"^",2),0),"^"),! K DIR,PSOMSG D PAUSE^VALM1 Q K RET,DRET,PRC,PHI S PSORENW("OIRXN")=\$P(PSOLST(ORN),"^",2),PSOFROM="NEW" </pre>		

PRE MOCHA v2.1

System Design Document

```

G:PSORENW("DFLG")=1 PROCESSX
  I $G(PSOQTY) D QTY^PSODIR1(.PSORENW) G:PSORENW("DFLG")=1 PROCESSX
  D EN^PSORN52(.PSORENW)
  D RNPSOSD^PSOUTIL
  D CAN^PSORENW0,DCORD^PSONEW2
  S PSORENW("# OF REFILLS")=PSRF K PSDY,PSRF,PSODIR("CS"),DEA,PSORENW("ENT")
  S BBRN=" ",BBRN1=$O(^PSRX("B",PSORENW("NRX #"),BBRN)) I $P($G(^PSRX(BBRN
1,0)),",^",11)[ "W" S BINGCRT="Y",BINGRTE="W",BBFLG=1,BBRX(1)=$G(BBRX(1))_BBRN1_"",
PROCESSX I PSORENW("DFLG") D W:'$G(POERR) !,$C(7),"Rx NOT RENEWED. RENEWED RX D
ELETED",! S POERR("DFLG")=1 D CLEAN^PSOVER1
  .K PHI,PRC,PSODRUG,SIG,PSORXED,SIGOK
  .K PSORENW("DOSE"),PSORENW("DURATION"),PSORENW("DRUG IEN"),PSORENW("ENT"),PSORENW("INS"),
PSORENW("NOUN"),PSORENW("ROUTE"),PSORENW("SCHEDULE"),PSORENW("SIG"),PSORENW("VERB"),PSORENW("UNIT
S")

  .D POZ
  K PSORDLOK I PSORENW("DFLG") S PSORDLOK=1
  D:$G(PSORENW("OLD FILL DATE"))]" SUSDATEK^PSOUTIL(.PSORENW)
  K BBRN,BBRN1,PSODRUG,PSORX("PROVIDER NAME"),PSORX("CLINIC")
  K PSOEDT,PSOLM S:$G(PSORENW("FROM"))=" " (PSORENW("DFLG"),PSORENW("QFLG"))=0
  I $G(PSORDLOK) D PSOUL^PSSLOCK($P(PSOLST(ORN),"^",2))
  D KLIB^PSORENW1
  K PSORDLOK
  S RXN=$O(^TMP("PSORXN",$J,0)) I RXN N ZRXN S ZRXN=RXN D
  .S RXN1=^TMP("PSORXN",$J,RXN) D EN^PSOHLN1(RXN,$P(RXN1,"^"),$P(RXN1,"^
",2),"", $P(RXN1,"^",3))
  .I $P(^PSRX(RXN,"STA"),"^")=5 D EN^PSOHLN1(RXN,"SC","ZS", $P(RXN1,"^",4))
  .;saves drug allergy order chks pso*7*390
  .I +$G(^TMP("PSODAO",$J,1,0)) D
  .I $G(PSORX("DFLG"))!$G(PSORENW("DFLG")) K ^TMP("PSODAO",$J) Q
  .S RXN=ZRXN,PSODAO="Rx Backdoor" _$S($P(^PSRX(RXN,"STA"),"^")=4:"NON-VERIFIED
",1:"")_"SPEED RENEW Order Acceptance_OP"
  .D DAOC^PSONEW
  K ZRXN,RXN,RXN1,^TMP("PSORXN",$J),^TMP("PSODAO",$J)
  Q
INIT
;
D ASK Q:PSORENW("DFLG")
D NOORE^PSONEW(.PSORENW) Q:PSORENW("DFLG")
Q
ASK
;upfront questions
W !! D ISSDT^PSODIR2(.PSORENW) Q:PSORENW("DFLG") S PSORENW("ISSUE DATE")=PSOID
D FILLDT^PSODIR2(.PSORENW) K PSONEW("DAYS SUPPLY"),PSONEW("# OF REFILLS")
Q:PSORENW("DFLG")
S PSORNW("FILL DATE")=PSORENW("FILL DATE")
MW^PSODIR2(.PSORENW) Q:PSORENW("DFLG")
D PTSTAT^PSODIR1(.PSORENW) Q:PSORENW("DFLG")
D DAYS^PSODIR1(.PSORENW) Q:PSORENW("DFLG")
S PSODRUG("DEA")=0 D REFILL^PSODIR1(.PSORENW) K PSODRUG("DEA") Q:PSORENW("DFLG")
K DIR,DIRUT S DIR(0)="Y",DIR("B")="No",DIR("A")="Do you want to edit Renewed Rx(s) QTY "
D ^DIR I $D(DIRUT) S PSORENW("DFLG")=1 K DIR,DIRUT Q
S PSOQTY=Y K DIR,DIRUT
D CLINIC^PSODIR2(.PSORENW) Q:PSORENW("DFLG")
D PROV^PSODIR(.PSORENW) S:PSORENW("DFLG") PSORENW("DFLG")=0
Q
;
POZ
;
K DIR S DIR(0)="E",DIR("A")="Press Return to Continue" D ^DIR K DIR,DIR
UT,DTOUT
Q

```

Modified Logic (Changes are in bold)

6.2.12.1.2.34 PSORXI

Routine Name	PSORXI
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change
Requirement Traceability	CR1006

Matrix		
Related Options	Patient Prescription Processing [PSO LM BACKDOOR ORDERS] Complete Orders from OERR [PSO LMOE FINISH] View Prescriptions [PSO VIEW] Edit Prescriptions [PSO RXEDIT]	
Related Routines	Routines “Called By”	Routines “Called”
	PSODDPR2, PSODGAL, PSODGAL1, PSODGAL2, PSODGDGI, PSODGDGP, PSODOSUT, PSODRG	N/A
Data Dictionary (DD) References		
Related Protocols		
Related Integration Control Registrations (ICRs)	;External reference to ^APSPQA(32.4 supported by DBIA 2179	
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	Name: Definition:	
Output Attribute Name and Definition	Name: Definition:	
Current Logic		
<pre>PSORXI ;IHS/DSD/JCM - logs pharmacy interventions ;03/19/93 11:56 ;;7.0;OUTPATIENT PHARMACY;**268,324,251,387,390,417**;DEC 1997;Build 7 ;External reference to ^APSPQA(32.4 supported by DBIA 2179 ; This routine is used to create entries in the APSP INTERVENTION file. START ; D INIT,DIC G:PSORXI("QFLG") END D EDIT S:'\$D(PSONEW("PROVIDER")) PSONEW("PROVIDER")=\$P(^APSPQA(32.4,PSORXI("DA"),0),"^",3) END D EOJ Q INIT ; W !,"Now creating Pharmacy Intervention",! I \$G(PSODRUG("IEN")) W "for "_\$P(\$G(^PSDRUG(PSODRUG("IEN"),0)),"^"),! K PSORXI S PSORXI("QFLG")=0 Q DIC ; K DIC,DR,DA,X,Y,DD,DO S DIC="^APSPQA(32.4," ,DLAYGO=9009032.4,DIC(0)="L",X=DT S DIC("DR")=".02////_"_+PSODFN_" ;.04////_"_DUZ_" ;.05////_"_PSODRUG("IEN")_" ;.06///PHARMACY" S DIC("DR")=DIC("DR")_" ;.07"_\$S(\$G(PSOIVDSN):"////_"_\$G(PSOIVDSN),\$G(PSORX("INTERVENE")) =1:"///18",\$G(PSORX("INTERVENE"))=2:"///19",1:"///6")_" ;.14///0"_" ;.16///"_\$S(\$G(PSOSITE)]" :PSOSITE,1:"") D FILE^DICN K DIC,DR,DA I Y>0 S PSORXI("DA")=+Y S:\$G(PSODAL) PSODAL("DA")=+Y E S PSORXI("QFLG")=1 G DICX D DIE DICX K X,Y Q DIE ; K DIE,DIC,DR,DA S DIE="^APSPQA(32.4," ,DA=PSORXI("DA"),DR=\$S(\$G(PSORXI("EDIT"))]"":.03:1600,1:".03;.08") L +^APSPQA(32.4,PSORXI("DA")):\$S(+G(^DD("DILOCKTM"))>0:+^DD("DILOCKTM"),1:3) D ^DIE K DIE,DIC,DR,X,Y,DA L -^APSPQA(32.4,PSORXI("DA")) W \$C(7),!,"See 'Pharmacy Intervention Menu' if you want to delete this",!,"intervention or for more options.",! Q EDIT ;</pre>		

	<pre> K DIR W ! S DIR(0)="Y",DIR("A")="Would you like to edit this intervention ",DIR("B")="N" D ^DIR K DIR I \$D(DIRUT)! 'Y G EDITX S PSORXI("EDIT")=1 D DIE G EDIT EDITX W ! K X,Y Q DUPINV ;Duplicate and file intervention N PSOARY,PSOARYC,PSOMSG,PSODA,DUP,DIC,DA,DLAYGO,Y,X S DUP=^TMP(\$J,"PSOINTERVENE",+PSODFN),DIC=^APSPQA(32.4,"",DIC(0)="AEQM" D GETS^DIQ(9009032.4,DUP,"*", "I", "PSOARY", "PSOMSG") I \$D(PSOMSG) W !, "Error Retrieving Last Duplicate..." G START L +^APSPQA(32.4):\$S(+\$G(^DD("DILOCKTM"))>0:+^DD("DILOCKTM"),1:3) K DIC,DR,DA,X,Y,DD,DO S DIC=^APSPQA(32.4,"",DLAYGO=9009032.4,DIC(0)="",X=DT D FILE^DICN L -^APSPQA(32.4) I Y<1 W !, "Error Encountered Filing Duplicate..." Q S DA=+Y,PSORXI("DA")=+Y,X=0,^TMP(\$J,"PSOINTERVENE",PSODFN)=+Y F S X=\$O(PSOARY(9009032.4,DUP_,"",X)) Q:'X D .S PSOARYC(9009032.4,DA_,"",X)=PSOARY(9009032.4,DUP_,"",X,"I") S PSOARYC(9009032.4,DA_,"",.05)=PSODRUG("IEN") S PSOARYC(9009032.4,DA_,"",.15)=" " D FILE^DIE("K","PSOARYC","PSOMSG") I \$D(PSOMSG) D G START .W !, "Error Encountered Filing Duplicate..." .N DIK S DA=PSORXI("DA"),DIK=^APSPQA(32.4,"" D ^DIK W ! D EN^DIQ,EDIT Q EOJ ; K PSORXI Q EN1(PSOX) ; Entry Point if have internal rx # N PSODFN,PSONEW,PSODRUG,PSOY I \$G(^PSRX(+\$G(PSOX),0))']"" W !,\$C(7),"No prescription data" G EN1X S PSORXI("IRXN")=PSOX K PSOY S PSOY=^PSRX(PSORXI("IRXN"),0) S PSODFN=\$P(PSOY,"^",2),PSONEW("PROVIDER")=\$P(PSOY,"^",4),PSODRUG("IEN")=\$P(PSOY,"^",6) D START EN1X ; Q ; EN2(PSOIVDST,PSOX) ; Entry Point for dose interventions with a prescription ;PSOIVDST = Dosing intervention text ;PSOX = Internal prescription Number N PSOIVDSN S PSOIVDSN=0 D LOOK I 'PSOIVDSN Q 1 N PSODFN,PSONEW,PSODRUG,PSOY I \$G(^PSRX(+\$G(PSOX),0))']"" W !,\$C(7),"No prescription data" G EN2X S PSORXI("IRXN")=PSOX K PSOY S PSOY=^PSRX(PSORXI("IRXN"),0) S PSODFN=\$P(PSOY,"^",2),PSONEW("PROVIDER")=\$P(PSOY,"^",4),PSODRUG("IEN")=\$P(PSOY,"^",6) D START K PSOIVDSN EN2X Q 0 ; EN3(PSOIVDST) ; Entry Point for dose interventions without a prescription ;PSOIVDST = Dosing intervention text N PSOIVDSN S PSOIVDSN=0 D LOOK I 'PSOIVDSN Q 1 D START K PSOIVDSN EN3X Q 0 ; LOOK ;Find Internal Number of 32.3 file S PSOIVDSN=\$\$FIND1^DIC(9009032.3,"","X",PSOIVDST,"B") Q </pre>
Modified Logic (Changes are in bold)	

6.2.12.1.2.35 PSORXVW

Routine Name	PSORXVW
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change

Requirement Traceability Matrix	CR1006	
Related Options	Patient Prescription Processing [PSO LM BACKDOOR ORDERS] Complete Orders from OERR [PSO LMOE FINISH] View Prescriptions [PSO VIEW] Edit Prescriptions [PSO RXEDIT]	
Related Routines	Routines “Called By”	Routines “Called”
	PSOPMP0, PSOREJP1, PSORXDL, PSOTALK	DGUTL3, GMRADPT, PSOBAl, PSOBPSU2, PSOBPSUT, PSODEM, PSODPT, PSOHELP, PSOHLUP, PSOLMUTL, PSONDCUT, PSOORAL, PSOORNE3, PSOPKIV2, PSORXVW1, PSOUTLA2, PSSOPKI
Data Dictionary (DD) References		
Related Protocols		
Related Integration Control Registrations (ICRs)	;External reference to File ^PS(55 supported by DBIA 2228 ;External reference to ^PS(50.7 supported by DBIA 2223 ;External reference ^PSDRUG(supported by DBIA 221 ;External reference to ^VA(200 supported by DBIA 10060 ;External reference to ^SC supported by DBIA 10040 ;External reference to ^DPT supported by DBIA 10035 ;External reference to ^PS(50.606 supported by DBIA 2174 ;External reference to GMRADPT supported by DBIA 10099 ;External reference to \$\$BADADR^DGUTL3 supported by DBIA 4080	
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	Name: Definition:	
Output Attribute Name and Definition	Name: Definition:	
Current Logic		
PSORXVW ;BHAM ISC/SAB - listman view of a prescription ;5/25/05 2:10pm ; ;7.0;OUTPATIENT PHARMACY;**14,35,46,96,103,88,117,131,146,156,185,210, 148,233,260,264,281,359,385,400,391**;DEC 1997;Build 13 ;External reference to File ^PS(55 supported by DBIA 2228 ;External reference to ^PS(50.7 supported by DBIA 2223 ;External reference ^PSDRUG(supported by DBIA 221 ;External reference to ^VA(200 supported by DBIA 10060 ;External reference to ^SC supported by DBIA 10040 ;External reference to ^DPT supported by DBIA 10035 ;External reference to ^PS(50.606 supported by DBIA 2174 ;External reference to GMRADPT supported by DBIA 10099 ;External reference to \$\$BADADR^DGUTL3 supported by DBIA 4080 ; S PS="VIEW" A1 ; - Prescription prompt S DIR(0)="FAO^1:30",DIR("A")=PS_ PRESCRIPTION: ",(DIR("?"),DIR("??"))="^D HLP^PSORXVW1" W ! D ^DIR I X="!"!\$D(DIRUT) K:\$G(PS)="VIEW" DA K PS G KILL S X=\$\$UP^XLFFSTR(X),QUIT=0 I \$E(X,1,2)!="E." S (DA,PSOVDA)=\$\$LKP^PSORXVW1(X) I DA<0 G A1 I \$E(X,1,2)="E." D I QUIT G A1 ; esg 12/7/10 - ECME# lookup - PSO*7*359 .S (DA,PSOVDA)=\$\$RXNUM^PSOBPSU2(\$E(X,3,\$L(X))) I DA<0 W " ??",\$(7) S QUIT=1 ; ; pso*7*385 - esg - Routine BPSRVX is calling this routine here at entry point DP in order to capture the		

```

; scratch global data for the View ECME Rx option. Special variable BPSVRX=1 in this
case.
DP ; DBIA #4711 entry point from ECME
;
S (PSODFN,DFN)=$P(^PSRX(DA,0),"^",2) S PSOLOUD=1 D:$P($G(^PS(55,PSODFN,0)),"^",6)'=2
EN^PSOHLUP(PSODFN) K PSOLOUD
D ICN^PSODPT(PSODFN)
K ^TMP("PSOHDR",$J) D ^VADPT,ADD^VADPT
S ^TMP("PSOHDR",$J,1,0)=VADM(1)
N PSOBADR,PSOTEMP
S PSOBADR=$$BADADR^DGUTL3(DFN) I PSOBADR S PSOTEMP=$$CHKTEMP^PSOBAI(DFN) D
.S ^TMP("PSOHDR",$J,1,0)=^TMP("PSOHDR",$J,1,0)_ " ** BAD ADDRESS INDICAT
ED-("_$S(PSOBADR=1:"UNDELIVERABLE",PSOBADR=2:"HOMELESS",1:"OTHER")_)"_$S(PSOTEM
P:" Active Temporary Address",1:"")
S ^TMP("PSOHDR",$J,2,0)=$P(VADM(2),"^",2)
S ^TMP("PSOHDR",$J,3,0)=$P(VADM(3),"^",2),^TMP("PSOHDR",$J,4,0)=VADM(4)
,^TMP("PSOHDR",$J,5,0)=$P(VADM(5),"^",2)
S POERR=1 D RE^PSODEM K PSOERR
S ^TMP("PSOHDR",$J,6,0)=$S(+$P(WT,"^",8):$P(WT,"^",9)_ ("_$P(WT,"^")_)" ,1:"_____
(_____)")
S ^TMP("PSOHDR",$J,7,0)=$S($P(HT,"^",8):$P(HT,"^",9)_ ("_$P(HT,"^")_)" ,1:"_____
(_____)") K VM,WT,HT S PSOHD=7
S GMRA="0^0^111" D EN1^GMRADPT S ^TMP("PSOHDR",$J,8,0)=$G(GMRAL)
D DEM^VADPT I +VADM(6) D
.S SSN=$P(^DPT(PSODFN,0),"^",9) W !,$C(7),?10,$P(^DPT(PSODFN,0),"^")_
("_$E(SSN,1,3)_"- "$E(SSN,4,5)_"- "$E(SSN,6,9)_") DIED "$P(VADM(6),"^",2),!
.W "All Active Medications will be Autocanceled!",! H 2 S PSODEATH=1
.S ACOM="Date of Death "$P(VADM(6),"^",2)_".",ZTRTN="CAN^PSOCAN3",ZTDESC="Outpatient
Pharmacy Autocancel Due to Death of Patient",ZTSAVE("ACOM")="",ZTSAVE("PSODFN")="",ZTSAVE
("PSODEATH")=""
.S ZTIO="",PSOCLC=DUZ,ZTSAVE("PSOCLC")="",ZTDTH=$H D ^%ZTLOAD K ACOM,ZTSK,PSODEATH
K ^TMP("PSOAL",$J),PCOMX,PDA,PHI,PRC,ACOM,ANS
S (DA,RXN)=PSOVDA K PSOVDA S RX0=^PSRX(RXN,0),RX2=$G(^2),RX3=$G(^3)
,ST=$G(^("STA")),RXOR=$G(^("OR1"))
I 'RXOR,$P(^PSDRUG($P(RX0,"^",6),2),"^") S $P(^PSRX(RXN,"OR1"),"^")=$P(
^PSDRUG($P(RX0,"^",6),2),"^"),RXOR=$P(^PSDRUG($P(RX0,"^",6),2),"^")
S IEN=0,$P(RN," ",12)=" "
N APPND S APPND=$S($G(^PSRX(RXN,"IB")):"$",1:"")
I '$ECMENUM^PSOBPSU2(RXN)'="" S APPND=APPND_$ECME^PSOBPSUT(RXN)_ (EC
ME#:"_$ECMENUM^PSOBPSU2(RXN)_")
S IEN=IEN+1,^TMP("PSOAL",$J,IEN,0)=$S($P($G(^PSRX(RXN,"TPB")),"^"):" TPB Rx
#:" ,1:" Rx #:" )_$P(RX0,"^")_APPND_$E(RN,$L($P(RX0,"^")_APPND)+1,12)
S IEN=IEN+1,^TMP("PSOAL",$J,IEN,0)=" Orderable Item: "$S($D(^PS(5
0.7,$P(+RXOR,"^"),0)):P(^PS(50.7,$P(+RXOR,"^"),0),"^")_ "$P(^PS(50.606,$P(^0
),"^",2),0),"^"),1:"No Pharmacy Orderable Item")
S IEN=IEN+1,^TMP("PSOAL",$J,IEN,0)=$S($D(^PSDRUG("AQ",$P(RX0,"^",6))):"
CMOP ",1:" ")_Drug: "$P(^PSDRUG($P(RX0,"^",6),0),"^")
S:$G(^PSRX(RXN,"TN"))] " IEN=IEN+1,^TMP("PSOAL",$J,IEN,0)=" Trade Name:
"$G(^PSRX(RXN,"TN"))
I $$STATUS^PSOBPSUT(RXN,0)'="" ,$$RXRLDT^PSOBPSUT(RXN,0) D
.S IEN=IEN+1,^TMP("PSOAL",$J,IEN,0)=" NDC: "$GETNDC^
PSONDCUT(RXN,0)
D DOSE^PSORXVW1
S IEN=IEN+1,^TMP("PSOAL",$J,IEN,0)="Patient Instructions:" I $O(^PSRX(R
XN,"INS1",0)) D
. F I=0:0 S I=$O(^PSRX(RXN,"INS1",I)) Q:'I D
. . S MIG=^PSRX(RXN,"INS1",I,0)
. . D WORDWRAP^PSOUTLA2(MIG,.IEN,$NA(^TMP("PSOAL",$J)),21)
K MIG,SG
I $P($G(^PS(55,PSODFN,"LAN")),"^") S IEN=IEN+1,^TMP("PSOAL",$J,IEN,0)=" Other Pat.
Instruc: "$S($G(^PSRX(RXN,"INSS"))]"":^PSRX(RXN,"INSS"),1:"")
S IEN=IEN+1,^TMP("PSOAL",$J,IEN,0)=" SIG:"
I '$P($G(^PSRX(RXN,"SIG")),"^",2) D G PTST
. S X=$P($G(^PSRX(RXN,"SIG")),"^") D SIGONE^PSOHELP S SIG=$E($G(INS1),2,250)
. D WORDWRAP^PSOUTLA2(SIG,.IEN,$NA(^TMP("PSOAL",$J)),21)
S SIGOK=1
F I=0:0 S I=$O(^PSRX(RXN,"SIG1",I)) Q:'I D
. S MIG=^PSRX(RXN,"SIG1",I,0)
. D WORDWRAP^PSOUTLA2(MIG,.IEN,$NA(^TMP("PSOAL",$J)),21)
S SIGOK=1 K MIG,SG
PTST S $P(RN," ",25)=" ",PTST=$S($G(^PS(53,$P(RX0,"^",3),0))]":$P($G(^PS(5

```

```

3,+$(RX0,"^",3),0)),("^",1:""),IEN=IEN+1
S ^TMP("PSOAL",$J,IEN,0)=" Patient Status: "_PTST_$E(RN,$L(PTST)+1,25)
S IEN=IEN+1,^TMP("PSOAL",$J,IEN,0)=" Issue Date: "_$E($P(RX0,"
^",13),4,5)_"_/$E($P(RX0,"^",13),6,7)_"_/$E($P(RX0,"^",13),2,3)
S ^TMP("PSOAL",$J,IEN,0)=^TMP("PSOAL",$J,IEN,0)_" Fill
Date: "_$E($P(RX2,"^",2),4,5)_"_/$E($P(RX2,"^",2),6,7)_"_/$E($P(RX2,"^",2),2,3)
S ROU=$S($P(RX0,"^",11)="W":"Window",1:"Mail")
S REFL=$P(RX0,"^",9),I=0 F S I=$O(^PSRX(RXN,1,I)) Q:'I S REFL=REFL-1,
ROU=$S($P(^PSRX(RXN,1,I,0),"^",2)="W":"Window",1:"Mail")
S IEN=IEN+1,^TMP("PSOAL",$J,IEN,0)=" Last Fill Date: "_$E($P(RX3,"
^",4,5)_"_/$E($P(RX3,"^",6,7)_"_/$E($P(RX3,"^",2,3)
D CMOP^PSOORNE3 S DA=RXN
S ^TMP("PSOAL",$J,IEN,0)=^TMP("PSOAL",$J,IEN,0)_" (" _ROU_$S($G(PSOCMOP)]":",
"_PSOCMOP,1:"")_" K ROU,PSOCMOP
S IEN=IEN+1 I $P(RX2,"^",15) S ^TMP("PSOAL",$J,IEN,0)=" Returned to Stock:
"$E($P(RX2,"^",15),4,5)_"_/$E($P(RX2,"^",15),6,7)_"_/$E($P(RX2,"^",15),2,3)
E S ^TMP("PSOAL",$J,IEN,0)=" Last Release Date: " D
.S RLD=$S($P(RX2,"^",13):$E($P(RX2,"^",13),4,5)_"_/$E($P(RX2,"^",13),6
,7)_"_/$E($P(RX2,"^",13),2,3),1:"")
.I $O(^PSRX(RXN,1,0)) F I=0:0 S I=$O(^PSRX(RXN,1,I)) Q:'I D
..I $P(^PSRX(RXN,1,I,0),"^",18) S RLD=$E($P(^(),0),"^",18),4,5)_"_/$E($P
(^(),0),"^",18),6,7)_"_/$E($P(^(),0),"^",18),2,3)
.S ^TMP("PSOAL",$J,IEN,0)=^TMP("PSOAL",$J,IEN,0)_$S($G(RLD)]":RLD,1:" ")
S ^TMP("PSOAL",$J,IEN,0)=^TMP("PSOAL",$J,IEN,0)_" Lot #:
"$P(RX2,"^",4)
S IEN=IEN+1,^TMP("PSOAL",$J,IEN,0)=" Expires: "_$E($P(RX2,"
^",6),4,5)_"_/$E($P(RX2,"^",6),6,7)_"_/$E($P(RX2,"^",6),2,3)
S ^TMP("PSOAL",$J,IEN,0)=^TMP("PSOAL",$J,IEN,0)_" MFG:
"$P($G(RX2),"^",8)
S IEN=IEN+1,^TMP("PSOAL",$J,IEN,0)=" Days Supply: "_$P(RX0,"^",
8)_$S($L($P(RX0,"^",8))=1:" " ,1:"")
S ^TMP("PSOAL",$J,IEN,0)=^TMP("PSOAL",$J,IEN,0)_"
QTY"$S($P($G(^PSDRUG($P(RX0,"^",6),660)),"^",8)]": (" _$P($G(^PSDRUG($P(RX0,
"^",6),660)),"^",8)_"",1:" ( )")_" : "_$P(RX0,"^",7)
I $P($G(^PSDRUG($P(RX0,"^",6),5)),"^",5) D
.S $P(RN," ",79)=" ",IEN=IEN+1
.S ^TMP("PSOAL",$J,IEN,0)=$E(RN,$L("QTY DSP MSG: "_$P(^PSDRUG($P(RX0,"^
",6),5),"^"))+1,79)_"QTY DSP MSG: "_$P(^PSDRUG($P(RX0,"^",6),5),"^") K RN
S IEN=IEN+1,^TMP("PSOAL",$J,IEN,0)=" # of Refills: "_$P(RX0,"^",
9)_$S($L($P(RX0,"^",9))=1:" " ,1:"")_"
S IEN=IEN+1,^TMP("PSOAL",$J,IEN,0)=" Remaining: "_REFL
Provider: "_$S($D(^VA(2
00,$P(RX0,"^",4),0)):P(^VA(200,$P(RX0,"^",4),0),"^"),1:"UNKNOWN")
N DEAV S DEAV=+$P($G(^PSDRUG(+P(RX0,"^",6),0)),"^",3) I DEAV>1,DEAV<6 D PRV K DEAV
I $P(RX3,"^",3) S IEN=IEN+1,^TMP("PSOAL",$J,IEN,0)=" Cos-Provider:
"$P(^VA(200,$P(RX3,"^",3),0),"^")
S IEN=IEN+1,^TMP("PSOAL",$J,IEN,0)=" Routing: "_$S($P(RX0,"
^",11)="W":"Window",1:"Mail")
S IEN=IEN+1,^TMP("PSOAL",$J,IEN,0)=" Copies: "_$S($P(RX0,"
^",18):$P(RX0,"^",18),1:1)
S:$P(RX0,"^",11)="W" IEN=IEN+1,^TMP("PSOAL",$J,IEN,0)=" Method of Pickup:
"$G(^PSRX(RXN,"MP"))
S IEN=IEN+1,^TMP("PSOAL",$J,IEN,0)=" Clinic: "_$S($D(^SC(+
$P(RX0,"^",5),0)):P(^SC($P(RX0,"^",5),0),"^"),1:"Not on File")
S IEN=IEN+1,^TMP("PSOAL",$J,IEN,0)=" Division: "_$P(^PS(59,$
P(RX2,"^",9),0),"^")_" (" _$P(^(),0),"^",6)_"
S IEN=IEN+1,^TMP("PSOAL",$J,IEN,0)=" Pharmacist: "_$S($P(RX2,"
^",3):$P(^VA(200,$P(RX2,"^",3),0),"^"),1:"")
S:$P(RX2,"^",10)&(' $G(PSOCOPY)) IEN=IEN+1,^TMP("PSOAL",$J,IEN,0)=" Verified By:
"$P(^VA(200,$P(RX2,"^",10),0),"^")
S IEN=IEN+1,^TMP("PSOAL",$J,IEN,0)=" Patient Counseling: "_$S($P($G(^PSRX(RXN,"PC")),
"^"): "YES",1:"NO")_"
Understood: "_$S($P($G(^PSRX(RXN,"PC")), "^",2): "YES",1:"NO"),1:"")
S IEN=IEN+1,^TMP("PSOAL",$J,IEN,0)=" Remarks: "_$P(RX3,"^",7)
D PC^PSORXVW1
I $P($G(^PSRX(DA,"OR1")), "^",5) S IEN=IEN+1,^TMP("PSOAL",$J,IEN,0)="
Finished By: "_$P(^VA(200,$P(^PSRX(DA,"OR1"),"^",5),0),"^")
D ^PSORXVW1 S PSOAL=IEN K IEN,ACT,LBL,LOG
I ST<12,$P(RX2,"^",6)<DT S ST=11
S VALM("TITLE")="Rx View _" (" _$P("Error^Active^Non-Verified^Refill^Hold
^Non-Verified^Suspended^Done^Expired^Discontinued^Deleted^Discontinued^Dis
continued (Edit)^Provider Hold^", "^",ST+2)_" )

```


	<pre> S:\$P(\$G(^PSRX(DA,"PKI")), "^") VALMSG="Digitally Signed Order" ; ; pso*7*385 - esg - if being called by the BPSVRX routine, call HDR^PSOLMUTL to build the VALMHDR array and then Quit I \$G(BPSVRX) D HDR^PSOLMUTL Q ; D EN^PSOORAL,KILL I \$G(PS)="VIEW" G PSORXVW K:\$G(PS)="VIEW" DA K PS Q ; KILL K ^TMP("PSOAL", \$J), PSOAL, IEN, ^TMP("PSOHR", \$J) I \$G(PS)="VIEW" K DA K ST, RFL, RFL1, RFL2, ST, I1, J, N, PHYS, L1, DIRUT, PSDIV, PSEXDT, MED, M1, FFX, DTT, DAT, RX0, RX2, R3, RTN, SIG, STA, P1, PL, P0, Z0, Z1, EXDT, IFN, DIR, DUOUT, DTOUT, PSOELSE K LBL, I, RFDATE, %H, %I, RN, RFT, %, %I, DFN, GMRA, GMRAL, HDR, POERR, PTST, REFL, RF, RLD, RX3 K RXN, RXOR, SG, VA, VADM, VAERR, VALMBCK, VAPA, X, DIC, REA, ZD, PSOHD, PSOBCK, PSODFN, QUIT Q ; PRV ; N DETN, DEA, LBL, VADD, SPC, ORN S ORN=\$P(^PSRX(RXN, "OR1"), "^", 2) S DEA=\$DEA^XUSER(0, \$P(RX0, "^", 4)) S LBL=\$S(DEA["-": " VA#: ", 1:" DEA#: ") S \$P(SPC, " ", (28-\$L(DEA)))=" " I \$\$DETOX^PSSOPKI(\$P(RX0, "^", 6)) S DETN=\$\$DETOX^XUSER(\$P(RX0, "^", 4)) I (DEA'="")!(\$G(DETN)'="") S IEN=IEN+1, \$E(^TMP("PSOAL", \$J, IEN, 0), 16)=LB L_DEA_\$S(\$G(DETN)] "": SPC_ "DETOX#: " _\$G(DETN), 1:"") D PRVAD^PSOPKIV2 I \$G(VADD(1))] " " D .S IEN=IEN+1, ^TMP("PSOAL", \$J, IEN, 0)=" Site Address: "_VADD(1) .S:VADD(2)] " " IEN=IEN+1, ^TMP("PSOAL", \$J, IEN, 0)=" " _VADD(2) S:VADD(3)] " " IEN=IEN+1, ^TMP("PSOAL", \$J, IEN, 0)=" "_ VADD(3) Q ; </pre>
Modified Logic (Changes are in bold)	

6.2.12.1.2.36 PSOVER1

Routine Name	PSOVER1	
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
Requirement Traceability Matrix	CR1006	
Related Options	Patient Prescription Processing [PSO LM BACKDOOR ORDERS] Complete Orders from OERR [PSO LMOE FINISH] View Prescriptions [PSO VIEW] Edit Prescriptions [PSO RXEDIT]	
Related Routines	Routines "Called By"	Routines "Called"
	PSOBBC, PSONEW, PSOORED1, PSOORFI4, PSOORFI5, PSOORFI6, PSOORNE2, PSOORNE4, PSOORNE5, PSOORNE6, PSOORNEW, PSOPKIV1, PSORENW0, PSORENW4, PSORXPR, PSOVER, PSOVER2	ORRD11, PSOBPSU1, PSOBPSUT, PSODDPR2, PSODOSUT, PSORDRU1, PSODRG, PSODSPL, PSOSIG, PSOHELP, PSOHLN1, PSONEW, PSONEW2, PSOORED3, PSOORRD2, PSOORRDI, PSOPKIV1, PSOREJ3, PSOREJU1, PSOREJUT, PSORXI, PSORXDT, PSORXL, PSORXPR, PSOVER, PSOVER2, PSSDSAPI, PSSLOCK, PSSNDCUT, PSORPH
Data Dictionary (DD)		

References	
Related Protocols	
Related Integration Control Registrations (ICRs)	;External reference ^PSDRUG(supported by DBIA 221 ;External reference to PSOUL^PSSLOCK supported by DBIA 2789 ;External reference ^PS(55 supported by DBIA 2228 ;External reference to PSSORPH is supported by DBIA 3234 ;External references to ^ORRDI1 supported by DBIA 4659 ;External reference ^XTMP("ORRDI" supported by DBIA 4660 ;External reference to \$\$DS^PSSDSAPI supported by DBIA 5425 ;External reference to ^PS(4 supported by DBIA 2229 ;External reference to \$\$GETNDC^PSSNDCUT supported by DBIA 4707 ;External reference to ^DPT(supported by DBIA 3097 ;External reference to ^PS(50.606 supported by DBIA 2174 ;External reference to ^PS(50.7 supported by DBIA 2223 ;External reference to ^PS(56 supported by DBIA 2229
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local
Input Attribute Name and Definition	Name: Definition:
Output Attribute Name and Definition	Name: Definition:
Current Logic	
<pre> PSOVER1 ;BHAM ISC/SAB - verify one rx ;3/9/05 12:53pm ; ;7.0;OUTPATIENT PHARMACY;**32,46,90,131,202,207,148,243,268,281,324,35 8,251,375,387,379,390**;DEC 1997;Build 86 ;External reference ^PSDRUG(supported by DBIA 221 ;External reference to PSOUL^PSSLOCK supported by DBIA 2789 ;External reference ^PS(55 supported by DBIA 2228 ;External reference to PSSORPH is supported by DBIA 3234 ;External references to ^ORRDI1 supported by DBIA 4659 ;External reference ^XTMP("ORRDI" supported by DBIA 4660 ;External reference to \$\$DS^PSSDSAPI supported by DBIA 5425 ;External reference to ^PS(4 supported by DBIA 2229 ;External reference to \$\$GETNDC^PSSNDCUT supported by DBIA 4707 ;External reference to ^DPT(supported by DBIA 3097 ;External reference to ^PS(50.606 supported by DBIA 2174 ;External reference to ^PS(50.7 supported by DBIA 2223 ;External reference to ^PS(56 supported by DBIA 2229 REDO ; I '\$G(PSOCLK) Q:\$G(PSVERFLG) S (DRG,PSODRUG("NAME"))=\$P(^PSDRUG(+ \$P(^PSRX(PSONV,0),"^",6),0),"^"),PS ODRUG("VA CLASS")=\$P(^0),"^",2) S PSOVQUIT=0,PSODRUG("IEN")=\$P(^PSRX(PSONV,0),"^",6) S PSOY(0)=^PSDRUG(PSODRUG("IEN"),0),PSOY=PSODRUG("IEN")_"^"_\$P(PSOY(0),"^") D SET^PSODRG I '\$D(PSODFN) S PSODFN=\$P(^PSRX(PSONV,0),"^",2) ; EDIT ; S (PSDNEW,PSDOLD)="",PSDOLD=\$P(^PSDRUG(\$P(^PSRX(PSONV,0),"^",6),0),"^")_"^"_PSONV S DA=PSONV D ^PSORXPR I \$G(PK11)=2 D DCV1^PSOPKIV1 G OUT K PSDTSTOP S DIR("A")="EDIT",DIR("B")="N",DIR(0)="SB^Y:YES;N:NO;P:PROFILE", DIR("?")="Enter Y to change this RX, P to see a profile, or N to proceed with verification and order checks." D ^DIR K DIR W ! I \$G(DIRUT)!(\$G(DTOUT)) S PSOVBC=1 G OUT ;PSOPOCK=1 called from Process Order Check option; PSOCLK=1 means initiated from Rx verify by clerk. I Y="Y",(\$G(PSOCLK)!(\$G(PSOPOCK))) D FULLEDT S VALMBCK="R" G KILL:\$ \$CHECK(PSONV) G EDIT I Y="Y",\$G(PSOACT)]" S VALMBCK="R",PSVERFLG=1 G OUT ;this pops the user back to the med profile screen when verify is called from Patient Prescription Processing I \$D(DIRUT),\$G(PSOCLK) S PSOCQ=1 G OUT </pre>	

```

I $D(DIRUT),$G(PSOACT)]" S VALMBCK="R" G OUT
G ORDCHK:Y="N",PROF:Y="P",OUT:"YNP"[E(Y)
;
CHANGE ;S DA=PSONV,(PSRX1,PSRX2)=$P(^PSRX(PSONV,0),"^",6)
;S DIE="^PSRX("DR="7;8;9;4;5;12;1;22;11;_$_S($P(PSOPAR,"^",12):"35;"1
:"")_$_S($P(PSOPAR,"^",15):"10.6",1:"")_";@2" D ^DIE
;I PSRX1'=PSRX2,DEA1'=DEA2 S DR="6///"_PSRX1 D ^DIE
;
D EXPIRE K DIE,DR,DEA1,DEA2,P(5),PSRX1,PSRX2
K PSD(PSDOLD) S PSDNEW="",PSDNEW=$P(^PSDRUG($P(^PSRX(PSONV,0),"^",6),0)
,"^")_""_PSONV,PSD(PSDNEW)=PSONV_""^1^_$_P(^PSDRUG($P(^PSRX(PSONV,0),"^",6),0),"^",2)
;
S DA=$S($D(PSORXED("IRXN")):PSORXED("IRXN"),1:PSONV) D ^PSORXPR G OUT:$G(DIRUT)
G OUT:$D(DIRUT)!(D(DTOUT))
I '$G(PSOCLK) S DA=$S($D(PSORXED("IRXN")):PSORXED("IRXN"),1:PSONV) W !,
"CHANGE",! D ^PSORXPR G OUT:$D(DIRUT)!(D(DTOUT)) G EDIT
G EDIT:PSDNEW=PSDOLD,REDO
PROF I '$D(PSOSD) W !,$C(7),"This patient has no other prescriptions on file",!! G EDIT Q
W !,$P(^DPT(DFN,0),"^"),?40,"ID#:_VA("PID") W:$D(INT)!$D(PSONV) " RX#:
$_$_S($D(INT):$P(INT,"^"),$D(^PSRX(PSONV)):$_P(^PSRX(PSONV,0),"^",1:"")
D HD^PSODDPR2() D ^PSODSPL D SHOW2^PSOVER G EDIT Q
;
EXPIRE S RX0=^PSRX(DA,0),X1=$P($P(RX0,"^",13),"."),X2=$P(RX0,"^",9)+1*$P(RX0,"
^",8),X2=$S($P(RX0,"^",8)=X2:X2,X2<181:184,X2=360:366,1:X2),X=X1 D:X1&X2 C^%DTC
K ^PS(55,PSDFN,"P","A",+$P(^PSRX(DA,2),"^",6),DA) S ^PS(55,PSDFN,"P","A
",X,DA)="",$P(^PSRX(DA,2),"^",6)=X,$P(^PS(4,DA,0),"^",7)=X Q
;
ORDCHK
S RX0=^PSRX(PSONV,0)
D ORDCK
I $G(PSOQUIT) S:$G(PSOCLK) PSOQUIT=0 S:$G(PSOCLK) PSORX("DFLG")=1 ;if verify by clerk
continue on with the next Rx; if not exit
I $G(PSOVQUIT)!$G(PSORX("DFLG")) G OUT
;-----
VERIFY
;
D FULL^VALM1 G:$P(PSOPAR,"^",2) VERY
I $Y<5 W !,$P(^DPT(DFN,0),"^"),?40,"ID#:_VA("PID") W:$D(INT)!$D(PSONV) " RX#:
$_$_S($D(INT):$P(INT,"^"),$D(^PSRX(PSONV)):$_P(^PSRX(PSONV,0),"^",1:"") D
W:$D(PSODRUG("NAME"))!,PSODRUG("NAME"),!
S DIR("A")="VERIFY FOR "_PSONAM_ ? (Y/N/Delete/Quit):",DIR("B")="Y",D
IR(0)="SA^Y:YES;N:NO;D:DELETE;Q:QUIT"
S DIR("?",1)="Enter Y (or return) to verify this prescription",DIR("?",
2)="N to leave this prescription non-verified and to end this session of
verification",DIR("?",2)="D to delete this prescription"
D ^DIR K DIR I Y="N"!("Q^"[E(Y) S PSOVBC=1,PSORX("DFLG")=1 G OUT
G DELETE:Y="D"
VERY I $G(PK11)=1 D REA^PSOPKIV1 G:$D(PKIR) VERIFY
K ^PSRX(PSONV,"DAI") S $P(^PSRX(PSONV,3),"^",6)="
K ^PSRX(PSONV,"DRI"),SPFL
I '$O(^PSRX(PSONV,6,0)) D I $D(DUOUT)!(D(DTOUT)) W !,"Rx: $_$P(^PSRX
(DA,0),"^")_" not Verified!!",! H 2 G OUT
.W !,"Dosing Instructions Missing. Please add!",!
I $P($G(^PSRX(PSONV,"SIG")),("^")),"$P($G(^("SIG")),("^",2) W "SIG: _
$P(^PSRX(PSONV,"SIG"),("^"),!
.I $P($G(^PSRX(PSONV,"SIG")),("^",2),$O(^PSRX(PSONV,"SIG1",0)) D K I
.W "SIG: " F I=0:0 S I=$O(^PSRX(PSONV,"SIG1",I)) Q:'I W ^PSRX(PSONV,"SIG1",I,0),!
.S DA=PSONV,PSOVER=1 K DIR,DIRUT,DUOUT,DTOUT
.S PSODRUG("IEN")=$P(^PSRX(DA,0),"^",6),PSODFN=$P(^(),("^",2),PSORXED("
IRXN")=DA,PSODRUG("OI")=$P(^PSRX(DA,"OR1"),("^"))
.D DOSE^PSSORPH(.DOSE,PSODRUG("IEN"),"O",PSODFN),^PSOORED3
.K PSODFN,PSODRUG("IEN"),DOSE,PSOVER
.I '$G(ENT) S DUOUT=1
.Q:$D(DUOUT)!(D(DTOUT))
.K DIR,DIRUT,DUOUT,DTOUT S DIE=52,DR=114 D ^DIE K DIE,DR,DTOUT
.I X'="" D SIG^PSOHELP D:$G(INS1)]" EN^DDIOL($E(INS1,2,9999999)) S PSO
RXED("SIG",1)=$E(INS1,2,9999999)
.D EN^PSOFSIG(.PSORXED,1),UDSIG^PSOORED3 H 2
S DA=PSONV,$P(^PSRX(DA,2),"^",10)=DUZ,DRG=$P(^PSDRUG($P(^PSRX(DA,0),"^",6),0),"^")
I $P(^PSRX(DA,2),"^",2)>DT,$P(PSOPAR,"^",6) D G KILL
.S (SPFL1,PSOVER)="",PSORX("FILL DATE")=$P(^(),("^",2),RXF=0
.D UPSUS S PSTRIVER=1 D SUS^PSORXL

```

```

.K PSORX("FILL DATE"),PSTRIVER
S PSOVER(PSONV)=" S $P(^PSRX(PSONV,"STA"),"^")=0,DRG=$P(^PSDRUG($P(^PS
RX(DA,0),"^",6),0),"^")
S $P(PSOSD("NON-VERIFIED",DRG),"^",2)=0,PSOSD("ACTIVE",DRG)=PSOSD("NON-VERIFIED",DRG)
I $G(PK1)=1,$G(PK1R)]" D ACT^PSOPKIV1(DA)
K PSOSD("NON-VERIFIED",DRG) D EN^PSOHLN1(PSONV,"SC","CM","") ;S VALMBCK=""
; saves drug allergy order chks pso*7*390
I +$G(^TMP("PSODAC", $J,1,0)) D
.I $G(PSORX("DFLG")) K ^TMP("PSODAC", $J) Q
.N RXN,PSODAC S RXN=PSONV,PSODAC="Rx Backdoor VERIFIED NEW Order Acceptance_OP"
.D DAOC^PSONEW
.K ^TMP("PSODAC", $J),RET
;
; - Calling ECME for claims generation and transmission / REJECT handling
N ACTION
I $$SUBMIT^PSOBPSUT(PSONV) D I ACTION="Q"!(ACTION="^") Q
. S ACTION="" D ECMESND^PSOBPSU1(PSONV,,,$S($O(^PSRX(PSONV,1,0)): "RF",1:"OF"))
. ; Quit if there is an unresolved Tricare non-billable reject code, PSO*7*358
. I $$PSOET^PSOREJP3(PSONV) S ACTION="Q" Q
. I $$FIND^PSOREJUT(PSONV) D
. . S ACTION=$$HDLG^PSOREJUL(PSONV,0,"79,88","OF","IOQ","Q")
;
KILL S DA=PSONV,DIK="^PS(52.4," D ^DIK K DA,DIK D DCORD^PSONEW2
OUT ;
I '$G(PSOCLK) S:$G(DIRUT)!( $G(DTOUT)) PSORX("DFLG")=1 K DIRUT,DTOUT,DUOUT,UPFLAGX D
CLEAN S VALMBCK="Q" Q
I $G(PSOCLK) S PSORX("DFLG")=0 K UPFLAGX D CLEAN Q
DELETE K UPFLAGX D DELETE^PSOVER2 G:$G(UPFLAGX) OUT K PSOSD("NON-VERIFIED",$G(DRG)) Q
QUIT S PSOQUIT="" D CLEAN Q
UPSUS S $P(PSOSD("NON-VERIFIED",DRG),"^",2)=5,PSOSD("ACTIVE",DRG)=PSOSD("NON-
VERIFIED",DRG) K PSOSD("NON-VERIFIED",DRG) D EN^PSOHLN1(PSONV,"SC","CM","")
Q
CLEAN ;cleans up tmp("psorxdc") global
I $G(PSODOSEX) K PSODOSEX Q
N PSOWRITE
I $O(^TMP("PSORXDC", $J,0)) F RORD=0:0 S RORD=$O(^TMP("PSORXDC", $J,RORD)) Q: 'RORD D
.D PSOUL^PSSLOCK(RORD,$S($P(^TMP("PSORXDC", $J,RORD,0), "^")="P": "S",1:""))
.I $P(^TMP("PSORXDC", $J,RORD,0), "^")="P" D Q
..S PSOR=^PS(52.41,RORD,0)
..S DNM=$S($P(PSOR, "^",9):$P($G(^PSDRUG($P(PSOR, "^",9),0), "^"),1:$P(^P
S(50.7,$P(PSOR, "^",8),0), "^")_ " _$P(^PS(50.606,$P(^PS(50.7,$P(PSOR, "^",8),0), "^",2),0), "^"))
..W $C(7),!," Duplicate "_$S($P(^TMP("PSORXDC", $J,RORD,0), "^",10): "Therapy",1:"Drug")_"
Pending Order "_DNM_" NOT Discontinued." S PSOWRITE=1
.W !," Duplicate "_$S($P(^TMP("PSORXDC", $J,RORD,0), "^",10): "Therapy",1:"Drug")_" Rx
#"_$P(^PSRX(RORD,0), "^")_" "_$P(^TMP("PSORXDC", $J,RORD,0), "^",7)_"
NOT Discontinued." S PSOWRITE=1
I $G(PSOWRITE)&(' $G(PSOWRITE)) W ! K DIR S DIR(0)="E",DIR("?")="Press Return to
continue",DIR("A")="Press Return to Continue" D ^DIR S:($D(DTOUT))!($D(DUOUT))
PSODLQT=1,PSORX("DFLG")=1 K DIR,X,Y I ($Y+5)>IOSL W @IOF
K ^TMP("PSORXDC", $J),RORD,PRNXZ,ORNZZ,PSOR
Q
KV1 ;
K PSOANSQD,DRET,LST,PSOQUIT,PSODRUG,PSONEW,SIG,PSODIR,PHI,PRC,ORCHK,ORD
RG,PSOSIGFL,PSORX("ISSUE DATE"),PSORX("FILL DATE"),CLOZPAT
KV K DIR,DIRUT,DTOUT,DUOUT
Q
NVA ;
I $P(PSOSD(STA,DNM), "^",11) D NVA^PSODRDUI Q
N PSOOI,CLASS,FLG,X,Y,RXREC,IFN
S (Y,FLG)="
S RXREC=$P(PSOSD(STA,DNM), "^",10),PSOOI=+$G(^PS(55,DFN,"NVA",RXREC,0)),IFN=RXREC N DNM
F S Y=$O(^PSDRUG("ASP",PSOOI,Y)) Q:Y="!"(FLG) S DNM=$P(^PSDRUG(Y,0), "^"),
CLASS=$P(^PSDRUG(Y,0), "^",2) I PSODRUG("NAME")=DNM!(CLASS=PSODRUG("VA CLASS")) D DSP^PSODRDUI S
FLG=1 Q
Q
REMOTE ;
K ^TMP($J,"DD"),^TMP($J,"DC"),^TMP($J,"DI"),^TMP($J,"DI"_PSODFN) D
.I $T(HAVEHDR^ORRDI1)]" Q
.I '$HAVEHDR^ORRDI1 Q
.D HD^PSODDPR2(:(( $Y+5)'>IOSL)
.I $D(^XTMP("ORRDI", "OUTAGE INFO", "DOWN")) D Q

```

```

..I $T(REMOTE^PSORX1)]" Q
..W !!, "Remote data not available - Only local order checks processed.", ! D
HD^PSODDPR2():(($Y+5)>IOSL)
..W !!, "Now doing remote order checks. Please wait..."
..D REMOTE^PSOORRDI(PSODFN,+$P($G(^PSRX(PSONV,0)), "^", 6))
..I $P($G(^XTMP("ORRDI", "PSOO", PSODFN, 0)), "^", 3) < 0 W !!, "Remote data not available - Only
local order checks processed.", ! D HD^PSODDPR2():(($Y+5)>IOSL) ;D PAUSE^PSOORRD2 Q
..I $D(^TMP($J, "DD")) D DUP^PSOORRD2
..I $D(^TMP($J, "DC")) D CLS^PSOORRD2
..I $D(^TMP($J, "DI"_PSODFN)) K ^TMP($J, "DI") M ^TMP($J, "DI") = ^TMP($J, "DI"_PSODFN) D
DRGINT^PSOORRD2
K ^TMP($J, "DD"), ^TMP($J, "DC"), ^TMP($J, "DI"), ^TMP($J, "DI"_PSODFN)
Q
NOALRGY ;
N PSODFN, PSODRUG
S PSODFN = $P(^PSRX(PSONV, 0), "^", 2), PSODRUG("IEN") = $P(^PSRX(PSONV, 0), "^", 6)
D NOALRGY^PSODRG
Q
;
ORDCK ;
N ORN, ORNZZ, PSOLST, Y, PSODFN S ORN = PSONV, PSOLST(PSONV) = PSONV_"^"_PSONV, PSOVORD = 1
N DRG, ON, CT, DRGI, PDRG, SEV, STX, INT, CLI, PSONULN, PSONULN1, LST, LSI, DGI, SER, SERS, DUPT, SV
S ORNZZ = ORN, PRNXZ(ORN) = PSOLST(ORN), PSORENW("OIRXN") = PSONV, PSODFN = DFN
I ' $D(PSODFN) S PSODFN = $P(^PSRX(PSONV, 0), "^", 2)
D SHOW^PSOVER D HD^PSODDPR2():(($Y+5)>IOSL)
S (PSODRUG("IEN"), PSODRUG("IEN")) = $P(^PSRX(PSONV, 0), "^", 6)
N PSOVINF S PSOVINF = ^PSODRUG(PSODRUG("IEN"), 0), PSODRUG("VA CLASS") = $P(^(), "^", 2)
S PSODRUG("VA CLASS") = $P(PSOVINF, "^", 2), (DRG, PSODRUG("NAME")) = $P(^PSODRUG(PSODRUG("IEN"), 0), "^", 2)
S PSODRUG("NDF") = $S($G(^PSODRUG(PSODRUG("IEN"), "ND"))):+"(ND)"_"A"_$P(^("ND"), "^", 3), 1:0)
S PSODRUG("MAXDOSE") = $P(PSOVINF, "^", 4), PSODRUG("DEA") = $P(PSOVINF, "^", 3)
, PSODRUG("CLN") = $S($D(^PSODRUG(PSODRUG("IEN"), "ND"))):+$P(^("ND"), "^", 6), 1:0)
S PSODRUG("SIG") = $P(PSOVINF, "^", 5), PSODRUG("NDC") = $$GETNDC^PSSNDCUT(PSODRUG("IEN"), $G(PSOSITE)), PSODRUG("STKVLV") = $G(^PSODRUG(PSODRUG("IEN"), 660.1))
N PSODRUG("DAW") = +$$GET1^DIQ(50, PSONV, 81)
K PSOVINF
D POST^PSODRG S DFN = PSODFN
I $$GET1^DIQ(52, PSONV, 100, "I") = 13 S PSORX("DFLG") = 1 Q
I $G(PSVERFLG), $G(PSOCLK) S PSVERFLG = 0
I $G(PSOCLK), $G(PSORX("DFLG")) S PSOVQUIT = 1 K PSORX("DFLG"), DIRUT, DTOUT
Q
Q: PSORX("DFLG")
D: $$DS^PSSDSAPI&(' $G(PSORX("DFLG"))) DOSCK^PSODOSUT("V")
I $$GET1^DIQ(52, PSONV, 100, "I") = 13 S PSORX("DFLG") = 1 Q
I $G(PSOCLK), $G(PSORX("DFLG")) S PSOVQUIT = 1 K PSORX("DFLG"), DIRUT, DTOUT
Q
Q: PSORX("DFLG") ! ($G(PSOVQUIT))
S PSOLST(ORNZZ) = PRNXZ(ORNZZ), ORN = ORNZZ K PSORENW("OIRXN")
Q
;
FULEDT ;
D FULL^VALM1
N RX, FILL, OPSOLST, OPSLST, OLDDA, PSODRUG, REJ
S (RX, PSORXED("IRXN")) = PSONV
M OPSOLST = PSOLST, OPSLST = PSLST, ODA = DA
N PSOSITE, ORN, PSOPAR, PSOLIST, PSOSD ; , PSD, PSDNEW, PSDOLD, DA, PSOSD, RX0, X1,
X2, PSOVQUIT
S PSOSITE = $$RXSITE^PSOBPSUT(RX, ""), ORN = RX
S PSOPAR = $G(^PS(59, PSOSITE, 1)), PSOLIST(1) = ORN_"",
D EPH^PSORXEDT
M PSOLST = OPSOLST, PSLST = OPSLST S VALMBCK = "R" S: $D(OLDDA) DA = OLDDA
Q
;
DRIDOSE(DA, RX0) ; where DA is RXIEN and RX0 is zero node of file 52 for the RXIEN
N T, RXN, RXX, SCRIPT, SEV, X, SER, PSOSERV, PSOSCPT, PSODOSF, RX
S RX = RX0
S RXN = $P(RX0, "^")
I $D(^PS(52.4, RX, 0)) ! ($D(^PSRX(RX, "DRI"))) D
. Q: ' $P($G(^PS(52.4, RX, 0)), "^", 8) & (' $D(^PSRX(RX, "DRI")))
..W !!, "*** During order, there were DRUG-DRUG INTERACTION for the following RX(s):"

```

```

I $P($G(^PS(52.4,RX,0)),^",8) S SCRIPT=$P(^PS(52.4,RX,0),^",10),SEV=$
P(^PS(52.4,RX,0),^",9) F X=1:1 S RXX(X)=$P(SCRIPT,"",X),SEV(X)=$P(SEV,"",X) Q:RXX(X)=" D
. S SER=$P(^PS(56,SEV(X),0),^",4) S:$G(SER)=1 PSOSERV=1
. S PSOSCPT(RXX(X))=" _$_S(SER=1:"CRITICAL",SER=2:"SIGNIFICANT",1:"UNKNOWN")_"
INTERACTION _$_P(^PSDRUG($P(^PSRX(RXX(X),0),^",6),0),^")
I $D(^PSRX(RX,"DRI")) S SCRIPT=$P(^PSRX(RX,"DRI"),^",2),SEV=$P(^PSRX(RX,"DRI"),^") F
X=1:1 S RXX(X)=$P(SCRIPT,"",X),SEV(X)=$P(SEV,"",X) Q:RXX(X)=" D
. S SER=$P(^PS(56,SEV(X),0),^",4)
. S PSOSCPT(RXX(X))=" _$_P($G(^PSRX(RXX(X),0),^")_" _$_S(SER=1:"C
RITICAL",SER=2:"SIGNIFICANT",1:"UNKNOWN")_" INTERACTION _$_P(^PSDRUG($P(^PSRX(R
XX(X),0),^",6),0),^")
S SCRIPT=" F S SCRIPT=$O(PSOSCPT(SCRIPT)) Q:SCRIPT=" W !,PSOSCPT(SCRIPT)
I $SDS^PSSDSAPI,$D(^PS(52.4,RX,1)) S T=$P(^PS(52.4,RX,1),^") D W:PSOD
OSF'="" !,"*** Dose Warning: ",PSODOSF
. S PSODOSF="",PSODOSF=$S(T=3:"MAX SINGLE DOSE & DAILY DOSE RANGE",T=2:"MAX SINGLE
DOSE",T=1:"DAILY DOSE RANGE",1:"")
W !
Q
CHECK(PSONV) ;
N PSOSTAT S PSOSTAT=$$GET1^DIQ(52,PSONV,100,"I")
I ",11,12,13,14,15,"[(", "_PSOSTAT_",") Q 1
Q 0

```

Modified Logic (Changes are in bold)

6.2.12.1.3 PDM

6.3 Design Element Tables – PDM

6.3.1 Interface Event File

The purpose of the Interface Event file is to provide a generic place to temporarily save events on the PRE interface with PEPS. It is not intended as a permanent file. It will be purged on a regular basis. Key fields are the Class, EVENT ID, and DATE fields. The Class will inform processes which read the information of the methods and properties represented in the attributes collection. The EVENT ID will include the unique identifier, created in the outbound XML and returned in the inbound XML, and other fields sufficient to make the record unique for selection from a user interface. The DATE is used as the primary high level index for retrieval methods from the file.

```

GLOBAL MAP DATA DICTIONARY #59.75 -- INTERFACE EVENT FILE
MAY 8,2013@08:48:33 PAGE 1
STORED IN ^PS(59.75, (120 ENTRIES) SITE: TROY ISC SUPPORT ACCOUNT UCI: PRE,
CDEV (VERSION 1.0)
-----
This file will be used to temporarily store information going into and coming
from Pharmacy Reengineering XML interfaces.

CROSS
REFERENCED BY: DATE CREATED(B), CLASS(C), USER(D), EVENT ID(E)

^PS(59.75,D0,0)= (#.01) DATE CREATED [1D] ^ (#1) CLASS [2F] ^ (#2) LEVEL [3S]
==>^ (#3) USER [4P:200] ^ ^ (#7) OPTION [6P:19] ^
^PS(59.75,D0,2)= (#6) EVENT ID [1F] ^ (#8) MESSAGE [2F] ^
^PS(59.75,D0,3,0)=^59.754^^ (#4) HANDLE
^PS(59.75,D0,3,D1,0)= (#.01) HANDLE [1N] ^ (#1) NAME [2F] ^ (#2) VALUE [3F] ^
==>(#3) ID [4S] ^

```

```

INPUT TEMPLATE(S):

PRINT TEMPLATE(S):
^DIPT(.01)= CAPTIONED

SORT TEMPLATE(S):

FORM(S)/BLOCK(S):

```

6.3.2 Data Dictionaries

File Name and Number	Interface Event 59.75
Enhancement Category	<input checked="" type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change
SRS Traceability	3.7.6.1, 3.8.5.1
Related Options	PSS INTERFACE EVENT PURGE
Data Dictionary References	n/a
Related Protocols	n/a
Related Database Integration Agreements	n/a
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output <input type="checkbox"/> Both Reference <input type="checkbox"/> Global Reference <input type="checkbox"/> Local
File Documentation	n/a
File Auditing, Security, and Archiving	There is no intention to archive at this time.

6.3.3 Field Definition Information

Field Name	DateCreated
Field Description	The FM date the interface event was recorded
Field #	.01
Node #	0
Piece #	1
New Field	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Data Type	<input checked="" type="checkbox"/> Date/Time <input type="checkbox"/> Numeric <input type="checkbox"/> Set of Codes <input type="checkbox"/> Free Text <input type="checkbox"/> Pointer to a File <input type="checkbox"/> Variable-Pointer
Identifier	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Uneditable Field	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Mandatory Field	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No

Field Documentation or Help Changes Necessary	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Field Definition	
Input/Output Transform	S %DT="E" D ^%DT S X=Y K:Y<1 X
Cross-Reference (id and type)	<input checked="" type="checkbox"/> Regular <input type="checkbox"/> Kwic <input type="checkbox"/> Mnemonic <input type="checkbox"/> Mumps <input type="checkbox"/> Soundex <input type="checkbox"/> Trigger <input type="checkbox"/> Bulletin

Field Name	Class
Field Description	The Pharmacy Interface class used to interpret the attributes.
Field #	1
Node #	0
Piece #	2
New Field	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Data Type	<input type="checkbox"/> Date/Time <input type="checkbox"/> Numeric <input type="checkbox"/> Set of Codes <input checked="" type="checkbox"/> Free Text <input type="checkbox"/> Pointer to a File <input type="checkbox"/> Variable-Pointer
Identifier	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Uneditable Field	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Mandatory Field	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Field Documentation or Help Changes Necessary	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Field Definition	
Input/Output Transform	K:\$L(X)>100!(\$L(X)<3) X
Cross-Reference (id and type)	<input checked="" type="checkbox"/> Regular <input type="checkbox"/> Kwic <input type="checkbox"/> Mnemonic <input type="checkbox"/> Mumps <input type="checkbox"/> Soundex <input type="checkbox"/> Trigger <input type="checkbox"/> Bulletin

Field Name	Level
Field Description	The level of event: System, Drug, Order, or Audit
Field #	2
Node #	0
Piece #	3
New Field	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Data Type	<input type="checkbox"/> Date/Time <input type="checkbox"/> Numeric <input checked="" type="checkbox"/> Set of Codes <input type="checkbox"/> Free Text

	<input type="checkbox"/> Pointer to a File	<input type="checkbox"/> Variable-Pointer
Identifier	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Uneditable Field	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Mandatory Field	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Field Documentation or Help Changes Necessary	<input type="checkbox"/> Yes	<input checked="" type="checkbox"/> No
Field Definition	'S' FOR SYSTEM; 'D' FOR DRUG; 'O' FOR ORDER; 'A' FOR AUDIT;	
Input/Output Transform		
Cross-Reference (id and type)	<input type="checkbox"/> Regular <input type="checkbox"/> Kwic <input type="checkbox"/> Mnemonic <input type="checkbox"/> Mumps <input type="checkbox"/> Soundex <input type="checkbox"/> Trigger <input type="checkbox"/> Bulletin	

Field Name	User
Field Description	The person running the process which created the class.
Field #	3
Node #	0
Piece #	4
New Field	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Data Type	<input type="checkbox"/> Date/Time <input type="checkbox"/> Numeric <input type="checkbox"/> Set of Codes <input type="checkbox"/> Free Text <input checked="" type="checkbox"/> Pointer to a File <input type="checkbox"/> Variable-Pointer
Identifier	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Uneditable Field	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Mandatory Field	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Field Documentation or Help Changes Necessary	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Field Definition	Pointer to New Person file (200)
Input/Output Transform	
Cross-Reference (id and type)	<input type="checkbox"/> Regular <input type="checkbox"/> Kwic <input type="checkbox"/> Mnemonic <input type="checkbox"/> Mumps <input type="checkbox"/> Soundex <input type="checkbox"/> Trigger <input type="checkbox"/> Bulletin

Field Name	Handle
Field Description	Multiple
Field #	4
Node #	3
Piece #	
New Field	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Data Type	<input type="checkbox"/> Date/Time <input type="checkbox"/> Numeric <input type="checkbox"/> Set of Codes <input type="checkbox"/> Free Text <input type="checkbox"/> Pointer to a File <input type="checkbox"/> Variable-Pointer
Identifier	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Uneditable Field	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Mandatory Field	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Field Documentation or Help Changes Necessary	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Field Definition	Multiple for sub File (59.754)
Input/Output Transform	
Cross-Reference (id and type)	<input type="checkbox"/> Regular <input type="checkbox"/> Kwic <input type="checkbox"/> Mnemonic <input type="checkbox"/> Mumps <input type="checkbox"/> Soundex <input type="checkbox"/> Trigger <input type="checkbox"/> Bulletin

Field Name	Handle
Field Description	
Field #	59.754,.01
Node #	3
Piece #	1
New Field	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Data Type	<input type="checkbox"/> Date/Time <input checked="" type="checkbox"/> Numeric <input type="checkbox"/> Set of Codes <input type="checkbox"/> Free Text <input type="checkbox"/> Pointer to a File <input type="checkbox"/> Variable-Pointer
Identifier	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Uneditable Field	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Mandatory Field	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Field Documentation or Help Changes Necessary	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No

Field Definition	
Input/Output Transform	K:+X'=X!(X>99999999)!(X<0)!(X?.E1"."1.N) X
Cross-Reference (id and type)	<input type="checkbox"/> Regular <input type="checkbox"/> Kwic <input type="checkbox"/> Mnemonic <input type="checkbox"/> Mumps <input type="checkbox"/> Soundex <input type="checkbox"/> Trigger <input type="checkbox"/> Bulletin

Field Name	Name
Field Description	The name of the property attribute stored.
Field #	59.754,1
Node #	3
Piece #	2
New Field	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Data Type	<input type="checkbox"/> Date/Time <input type="checkbox"/> Numeric <input type="checkbox"/> Set of Codes <input checked="" type="checkbox"/> Free Text <input type="checkbox"/> Pointer to a File <input type="checkbox"/> Variable-Pointer
Identifier	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Uneditable Field	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Mandatory Field	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Field Documentation or Help Changes Necessary	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Field Definition	Free text 1-80 characters.
Input/Output Transform	K:\$L(X)>80!(\$L(X)<1) X
Cross-Reference (id and type)	<input type="checkbox"/> Regular <input type="checkbox"/> Kwic <input type="checkbox"/> Mnemonic <input type="checkbox"/> Mumps <input type="checkbox"/> Soundex <input type="checkbox"/> Trigger <input type="checkbox"/> Bulletin

Field Name	Value
Field Description	The value of the property attribute stored
Field #	59.754,2
Node #	0
Piece #	3
New Field	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Data Type	<input type="checkbox"/> Date/Time <input type="checkbox"/> Numeric <input type="checkbox"/> Set of Codes <input checked="" type="checkbox"/> Free Text <input type="checkbox"/> Pointer to a File <input type="checkbox"/> Variable-Pointer

Identifier	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Uneditable Field	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Mandatory Field	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Field Documentation or Help Changes Necessary	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Field Definition	Free text 1-80 characters.
Input/Output Transform	K:\$L(X)>80!(\$L(X)<1) X
Cross-Reference (id and type)	<input type="checkbox"/> Regular <input type="checkbox"/> Kwic <input type="checkbox"/> Mnemonic <input type="checkbox"/> Mumps <input type="checkbox"/> Soundex <input type="checkbox"/> Trigger <input type="checkbox"/> Bulletin

Field Name	ID
Field Description	Used for setting the 'AC' subfile cross-reference.
Field #	59.754,3
Node #	0
Piece #	4
New Field	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Data Type	<input type="checkbox"/> Date/Time <input type="checkbox"/> Numeric <input checked="" type="checkbox"/> Set of Codes <input type="checkbox"/> Free Text <input type="checkbox"/> Pointer to a File <input type="checkbox"/> Variable-Pointer
Identifier	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Uneditable Field	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Mandatory Field	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Field Documentation or Help Changes Necessary	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Field Definition	1 for yes, 0 for no.
Input/Output Transform	
Cross-Reference (id and type)	<input checked="" type="checkbox"/> Regular <input type="checkbox"/> Kwic <input type="checkbox"/> Mnemonic <input type="checkbox"/> Mumps <input type="checkbox"/> Soundex <input type="checkbox"/> Trigger <input type="checkbox"/> Bulletin

Field Name	EVENT ID
Field Description	The unique ID for this interaction with the interface.
Field #	6
Node #	2

Piece #	1
New Field	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Data Type	<input type="checkbox"/> Date/Time <input type="checkbox"/> Numeric <input type="checkbox"/> Set of Codes <input checked="" type="checkbox"/> Free Text <input type="checkbox"/> Pointer to a File <input type="checkbox"/> Variable-Pointer
Identifier	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Uneditable Field	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Mandatory Field	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Field Documentation or Help Changes Necessary	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Field Definition	Free text 1-80 characters.
Input/Output Transform	K:\$L(X)>80!(\$L(X)<1) X
Cross-Reference (id and type)	<input type="checkbox"/> Regular <input type="checkbox"/> Kwic <input type="checkbox"/> Mnemonic <input type="checkbox"/> Mumps <input type="checkbox"/> Soundex <input type="checkbox"/> Trigger <input type="checkbox"/> Bulletin

Field Name	OPTION
Field Description	Pointer to Option File
Field #	7
Node #	0
Piece #	6
New Field	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No
Data Type	<input type="checkbox"/> Date/Time <input type="checkbox"/> Numeric <input type="checkbox"/> Set of Codes <input type="checkbox"/> Free Text <input checked="" type="checkbox"/> Pointer to a File <input type="checkbox"/> Variable-Pointer
Identifier	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Uneditable Field	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Mandatory Field	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Field Documentation or Help Changes Necessary	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
Field Definition	
Input/Output Transform	
Cross-Reference (id and type)	<input type="checkbox"/> Regular <input type="checkbox"/> Kwic <input type="checkbox"/> Mnemonic <input type="checkbox"/> Mumps <input type="checkbox"/> Soundex <input type="checkbox"/> Trigger <input type="checkbox"/> Bulletin

6.3.4 Unique Record(s) [Commonly the .01 field]

Unique Record ID		
Field Name(s)	Current Value	New Value

6.3.5 File/Global Size Changes

File/Global Name(s)	Estimated Increase	Estimated Decrease
N/A		

6.3.6 Utility Class

This is the basic public object. It implements private attribute lists of Events, Properties, and Methods. All public classes descend from this class.

The most important functions are the generic Set.[aProperty] and Get.[aProperty] methods to access property values and the generic Collect sub object which abstracts the composition of child objects.

6.3.7 Routines (Entry Points)

Routine Name	PSSOB				
Enhancement Category	<input type="checkbox"/> New	<input type="checkbox"/> Modify	<input type="checkbox"/> Delete	<input checked="" type="checkbox"/> No Change	
SRS Traceability					
Related Options	N/A				
Related Routines	Routines "Called By"		Routines "Called"		
	N/A				
Data Dictionary References	N/A				
Related Protocols	N/A				
Related Integration Agreements	N/A				
Data Passing	<input type="checkbox"/> Input	<input type="checkbox"/> Output Reference	<input type="checkbox"/> Both	<input type="checkbox"/> Global Reference	<input type="checkbox"/> Local
Input Attribute Name and Definition	Name: Definition:				
Output Attribute Name and Definition	Name: Definition:				

Current Logic
Modified Logic (Changes are in bold)

6.3.8 Classes Defined

Class Name	PSS OBU UTILITY
Derived From Class Name	PSS BASE
Purpose	Implement generic property, method, event, and composition methods.

6.3.9 Current Form

```

PSS OBU UTILITY -----+
+ Events -----+
+ Methods -----+
| * ClassDiagram
| * ClassInfo
| * Clear
| * Get
| * Info
| * Set
| * Show
+ Properties -----
| * _this
+ Extends -----
| * PSS BASE
+ -----+

```

6.3.10 Events

Name	Type	Description
N/A		

6.3.11 Methods

Name	Procedure/Function	Description
ClassDiagram	DIAGRAM(	Displays diagram of the class
ClassInfo	CLASS(	Displays information about the class
Clear	CLEAR(	Restores public attributes to default state
Copy	COPY(	Makes a copy of itself, returns handle.
Get	GET(	Gets a property value
Info	INFO(	Displays business information
Set	SET(	Sets a property value

Name	Procedure/Function	Description
Show	SHOW(	Displays a property value
pr	PSSOB2(	(Static) Access to primitive object functions

6.3.12 Properties

Name	Type	Visibility	Description
Collect	Child	Private	Abstracts public child collection.
Events	Child	Private	List of Event Attributes.
Methods	Child	Private	List of Method Attributes.
Properties	Child	Private	List of Property Attributes
Root	Child	Private	List of parent hierarchy
_this	Simple	Public	The handle of the object.

6.3.13 Constructor API

Function Name	CREATE(NAME,ROUTINE)		
Short Description			
Enhancement Category	<input checked="" type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change		
Related Options			
Related Routines	Routines “Called By”	Routines “Called”	
	N/A	\$\$CREATE^PSSOB \$\$CREATE^PSSOB30 COLLECT^PSSOB METHOD^PSSOB30 \$\$CREATE^PSSOBEC \$\$CREATE^PSSOBMC \$\$CREATE^PSSOBPC \$\$CREATE^PSSOBL	
Data Dictionary References			
Related Protocols			
Related Integration Agreements			
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output <input checked="" type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local Reference		

Input Attribute Name and Definition	Name: NAME Definition: [optional] The class name. Name: ROUTINE Definition: [optional] The default METHOD API for the class.
Output Attribute Name and Definition	Name: HANDLE Definition: A unique integer value which identifies the class.
Current Logic	
Modified Logic (Changes are in bold)	

6.3.14 Destructor API

Function Name	DESTROY(HANDLE)	
Short Description		
Enhancement Category	<input type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input checked="" type="checkbox"/> No Change	
Related Options		
Related Routines	Routines “Called By”	Routines “Called”
	N/A	GET^PSSOB DESTROY^PSSOB30 DESTROY^PSSOBEC DESTROY^PSSOBMC DESTROY^PSSOBPC DESTROY^PSSOBL \$\$DESTROY^PSSOB
Data Dictionary References		
Related Protocols		
Related Integration Agreements		
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output <input checked="" type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local Reference	
Input Attribute Name and Definition	Name: HANDLE Definition: The unique IEN for the object instance.	

Output Attribute Name and Definition	Name: RESULT Definition: 1 for successful object destruction
Current Logic	
Modified Logic (Changes are in bold)	

6.3.15 Method API

Function Name	METHOD(RESULT,ARGUMENT)	
Short Description	The basic handler API for all classes.	
Enhancement Category	<input type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input checked="" type="checkbox"/> No Change	
Related Options		
Related Routines	Routines “Called By”	Routines “Called”
	N/A	N/A
Data Dictionary References		
Related Protocols		
Related Integration Agreements		
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output <input checked="" type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local Reference	
Input Attribute Name and Definition	Name: ARGUMENT Definition:[HANDLE].[METHOD].[ADDITIONAL PARAMS]	
Output Attribute Name and Definition	Name: RESULT Definition: Local variable to place argument results into.	
Current Logic		
Modified Logic (Changes are in bold)		

6.3.16 Help Frame

Help Frame Text	
Enhancement Category	<input type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change
Help Frame Text Calling Mechanism	
Current Help Frame Text	
Modified Help Frame Text (Changes are in bold)	

6.3.17 Utility List Class

This is the basic public list object. It implements private attribute lists of Events, Properties, and Methods. All public list classes descend from this class. The most important functions are the exposure of the private list class and the various methods for manipulating the list.

6.3.18 Routines (Entry Points)

Routine Name	PSSOBUL	
Enhancement Category	<input type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input checked="" type="checkbox"/> No Change	
SRS Traceability		
Related Options	N/A	
Related Routines	Routines “Called By”	Routines “Called”
	N/A	
Data Dictionary References	N/A	
Related Protocols	N/A	
Related Integration Agreements	N/A	
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	Name: Definition:	
Output Attribute Name and Definition	Name: Definition:	
Current Logic		

Modified Logic (Changes are in bold)

6.3.19 Classes Defined

Class Name	PSS OBU UTILITY LIST
Derived From Class Name	PSS OBU UTILITY
Purpose	Implement generic list methods.

6.3.20 Current Form

```
PSS OBU UTILITY LIST -----+
+ Events -----+
+ Methods -----+
| * Add
| * ClassDiagram
| * ClassInfo
| * Clear
| * Find
| * First
| * GetItem
| * Get
| * Info
| * Last
| * List
| * Next
| * SetItem
| * Set
| * Show
+ Properties -----+
| * List
| * _this
+ Extends -----+
| * PSS BASE
| * PSS OBU UTILITY
+ -----+
```

6.3.21 Events

Name	Type	Description
N/A		

6.3.22 Methods

Name	Procedure/Function	Description
Add	ADD(	Default Add for list objects
Clear (override)	CLEAR(	Restores public attributes to default state
Find	FIND(	Default Find for list objects
First	FIRST(	Default First for list objects
GetItem	GETITEM(	Default GetItem for list objects

Name	Procedure/Function	Description
Info(override)	INFO(	Displays business information
Last	LAST(	Default Last for list objects
Next	NEXT(	Default Next for list objects
SetItem	SETITEM(	Default SetItem for list objects

6.3.23 Properties

Name	Type	Visibility	Description
List	Child	Public	Publishes primitive list object.

6.3.24 Constructor API

Function Name	CREATE(NAME,ROUTINE)	
Short Description		
Enhancement Category	<input type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input checked="" type="checkbox"/> No Change	
Related Options		
Related Routines	Routines “Called By”	Routines “Called”
	N/A	\$\$CREATE^PSSOBU \$\$CREATE^PSSOBL
Data Dictionary References		
Related Protocols		
Related Integration Agreements		
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output <input checked="" type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local Reference	
Input Attribute Name and Definition	Name: NAME Definition: [optional] The class name, default is PSS OBU UTILITY LIST. Name: ROUTINE Definition: [optional] The METHOD API, default is METHOD^PSSOBUL(.RESULT,ARGUMENT).	
Output Attribute Name and Definition	Name: HANDLE Definition: A unique integer value which identifies the class.	

Current Logic
Modified Logic (Changes are in bold)

6.3.25 Destructor API

Function Name	DESTROY(HANDLE)	
Short Description		
Enhancement Category	<input type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input checked="" type="checkbox"/> No Change	
Related Options		
Related Routines	Routines “Called By”	Routines “Called”
	N/A	DESTROY^PSSOBL \$\$DESTROY^PSSOBU
Data Dictionary References		
Related Protocols		
Related Integration Agreements		
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output <input checked="" type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local Reference	
Input Attribute Name and Definition	Name: HANDLE Definition: The unique IEN for the object instance.	
Output Attribute Name and Definition	Name: RESULT Definition: 1 for successful object destruction	
Current Logic		
Modified Logic (Changes are in bold)		

6.3.26 Method API

Function Name	METHOD(RESULT,ARGUMENT)
Short Description	The basic handler API for all classes.

Enhancement Category	<input type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input checked="" type="checkbox"/> No Change	
Related Options		
Related Routines	Routines “Called By”	Routines “Called”
	N/A	METHOD^PSSOBU
Data Dictionary References		
Related Protocols		
Related Integration Agreements		
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output <input checked="" type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local Reference	
Input Attribute Name and Definition	Name: ARGUMENT Definition:[HANDLE].[METHOD].[ADDITIONAL PARAMS]	
Output Attribute Name and Definition	Name: RESULT Definition: Local variable to place argument results into.	
Current Logic		
Modified Logic (Changes are in bold)		

6.3.27 Help Frame

Help Frame Text	
Enhancement Category	<input type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change
Help Frame Text Calling Mechanism	
Current Help Frame Text	
Modified Help Frame Text (Changes are in bold)	

6.3.28 Factory Class

This is a published class to abstract object creation for remote users, i.e., RPC Broker and VistALink. It implements the standard APIs for a class, CREATE, METHOD, AND DESTROY,

and adds a FACTORY API. The METHOD and FACTORY APIs will be associated with entries in the Remote Procedure file to facilitate interaction by remote users.

6.3.29 Routines (Entry Points)

Routine Name	PSSOBUF	
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
SRS Traceability		
Related Options	N/A	
Related Routines	Routines “Called By”	Routines “Called”
	N/A	
Data Dictionary References	N/A	
Related Protocols	N/A	
Related Integration Agreements	N/A	
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	Name: Definition:	
Output Attribute Name and Definition	Name: Definition:	
Current Logic		
Modified Logic (Changes are in bold)		
Current incarnation uses old API structure which allowed... i.e., Create(Name) instead of current Create(Name,Routine)		

Routine Name	PSS1P166	
Enhancement Category	<input checked="" type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
SRS Traceability		
Related Options	N/A	
Related Routines	Routines “Called By”	Routines “Called”
	KIDS Post Init	XPDUTL XPAR

Data Dictionary References	N/A
Related Protocols	N/A
Related Integration Agreements	N/A
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local
Input Attribute Name and Definition	Name: Definition:
Output Attribute Name and Definition	Name: Definition:
Current Logic	
None	
Modified Logic (Changes are in bold)	
<pre> VOBS ;;Install utility objects D BMES^XPDUTL("Installing Pharmacy Object Factory Parameters") ;; D EN^XPAR("PKG","PSSOB CONSTRUCTOR","PSS OBU UTILITY","CREATE.PSSOBU(NAME)") D EN^XPAR("PKG","PSSOB DESTRUCTOR","PSS OBU UTILITY","DESTROY.PSSOBU(HANDLE)") D EN^XPAR("PKG","PSSOB METHOD","PSS OBU UTILITY","METHOD.PSSOBU(.RESULT,ARGUMENT)") D MES^XPDUTL("PSS OBU UTILITY... published") ;; Q </pre>	

6.3.30 Classes Defined

Class Name	PSS OBU FACTORY
Derived From Class Name	PSS OBU UTILITY
Purpose	Abstract object handling for remote procedures.

6.3.31 Current Form

<pre> PSS OBU FACTORY -----+ + Events -----+ + Methods -----+ | * ConstructorAPI | * DestructorAPI | * MethodAPI + Properties -----+ | * _this + Extends -----+ | * PSS BASE | * PSS OBU UTILITY + -----+ </pre>	
---	--

6.3.32 Events

Name	Type	Description
N/A		

6.3.33 Methods

Name	Procedure/Function	Description
ConstructorAPI	CONSTRUCT(	Returns Create API for the class
DestructorAPI	DESTRUCT(	Returns Destroy API for the class
MethodAPI	METHODS(	Returns Method API for the class

6.3.34 Properties

Name	Type	Visibility	Description
N/A			

6.3.35 Kernel Parameters

Name	Type	Format	Description
PSSOB CONSTRUCTOR	PKG	[TAG].[ROUTINE]()	The construct API for the class
PSSOB DESTRUCTOR	PKG	[TAG].[ROUTINE](HANDLE)	The destruct API for the class
PSSOB METHOD	PKG	[TAG].[ROUTINE](.RESULT,ARGUMENT)	The method API for the class. May not be needed as a kernel parameter entry.

6.3.36 Constructor API

Function Name	CREATE(NAME,ROUTINE)		
Short Description			
Enhancement Category	<input type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input checked="" type="checkbox"/> No Change		
Related Options			
Related Routines	Routines “Called By”	Routines “Called”	
	N/A	\$\$CREATE^PSSOBU	
Data Dictionary References			
Related Protocols			
Related Integration Agreements			
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output <input checked="" type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local Reference		

Input Attribute Name and Definition	Name: NAME Definition: [optional] The class name, default is PSS OBU FACTORY. Name: ROUTINE Definition: [optional] The METHOD API, default is METHOD^PSSOBUF(.RESULT,ARGUMENT).
Output Attribute Name and Definition	Name: HANDLE Definition: A unique integer value which identifies the class.
Current Logic	
Modified Logic (Changes are in bold)	

6.3.37 Destructor API

Function Name	DESTROY(HANDLE)	
Short Description		
Enhancement Category	<input type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input checked="" type="checkbox"/> No Change	
Related Options		
Related Routines	Routines “Called By”	Routines “Called”
	N/A	\$\$DESTROY^PSSOBU
Data Dictionary References		
Related Protocols		
Related Integration Agreements		
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output <input checked="" type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local Reference	
Input Attribute Name and Definition	Name: HANDLE Definition: The unique IEN for the object instance.	
Output Attribute Name and Definition	Name: RESULT Definition: 1 for successful object destruction	

Current Logic
Modified Logic (Changes are in bold)

6.3.38 Method API

Function Name	METHOD(RESULT,ARGUMENT)	
Short Description	The basic handler API for all classes.	
Enhancement Category	<input type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input checked="" type="checkbox"/> No Change	
Related Options		
Related Routines	Routines “Called By”	Routines “Called”
	N/A	METHOD^PSSOBU
Data Dictionary References		
Related Protocols		
Related Integration Agreements		
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output <input checked="" type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local Reference	
Input Attribute Name and Definition	Name: ARGUMENT Definition:[HANDLE].[METHOD].[ADDITIONAL PARAMS]	
Output Attribute Name and Definition	Name: RESULT Definition: Local variable to place argument results into.	
Current Logic		
Modified Logic (Changes are in bold)		

6.3.39 Remote Procedure Call – Factory Accessor

Name	PSSOB FACTORY
TAG^RTN	FACTORY^PSSOBUF
Input Parameters	ARGUMENT

Results Array	<input type="checkbox"/> Single Value <input checked="" type="checkbox"/> Array <input type="checkbox"/> Word Processing <input type="checkbox"/> Global Array <input type="checkbox"/> Global Instance
Description	An RPC to construct or destroy VistA objects

6.3.40 Remote Procedure Call – Method Accessor

Name	PSSOB METHOD
TAG^RTN	METHOD^PSSOBUF
Input Parameters	ARGUMENT
Results Array	<input type="checkbox"/> Single Value <input checked="" type="checkbox"/> Array <input type="checkbox"/> Word Processing <input type="checkbox"/> Global Array <input type="checkbox"/> Global Instance
Description	An RPC to manipulate VistA objects

6.3.41 Help Frame

Help Frame Text	
Enhancement Category	<input type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change
Help Frame Text Calling Mechanism	
Current Help Frame Text	
Modified Help Frame Text (Changes are in bold)	

6.3.42 Interface Event Manager Class (EventManager)

This class extends the Utility class, adding methods to save instances of the class in the Interface Event file, to lookup/retrieve/create/purge populated classes from the Interface Event file, to populate key parameters from the kernel parameter file. Key value is the Timer.ID field, which will be tied to the ID field of file 59.75.

6.3.43 Routines (Entry Points)

Routine Name	PSSOBIEM
Enhancement Category	<input checked="" type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change
SRS Traceability	
Related Options	N/A

Related Routines	Routines “Called By”	Routines “Called”
	N/A	PSSOBU PSSOBUL XPAR PSSOBIES PSSOBIEB PSSOBIED PSSOBIEO PSSOBIEA PSSOBIE PSSOB3 PSSOBF0 PSSOBF1 XLFDT DIK XMD
Data Dictionary References	N/A	
Related Protocols	N/A	
Related Integration Agreements	N/A	
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	Name: Definition:	
Output Attribute Name and Definition	Name: Definition:	
Current Logic		
Modified Logic (Changes are in bold)		

6.3.44 Classes Defined

Class Name	PSS INTERFACE EVENT MANAGER
Derived From Class Name	PSS OBU UTILITY
Purpose	For saving, searching, and retrieving class information from the Interface Event File. For retrieving Kernel Parameter information regarding which types of classes should be saved in the Interface Event file and how long they should stay there.
Class Name	PSS RETRIEVE PARAMS

Derived From Class Name	PSS NAME
Purpose	Custom parameters for EventManager.Retrieve method. A call to EventManager.Retrieve.New returns a params object, PARAMS. Parameters are then customized and passed via EventManager.Retrieve._PARAMS. A call to EventManager.Retrieve.Kill._PARAMS will destroy the params object.

6.3.45 Proposed Form

```

PSS INTERFACE EVENT MANAGER -----+
+ Events -----+
+ Methods -----+
| * AddManagedEvent
| * ClassDiagram
| * ClassInfo
| * Clear
| * Get
| * Info
| * Lookup
| * ManagedEvents
| * OutFlat
| * OutXML
| * Persist
| * PrepareForTrap
| * Purge
| * Retrieve
| * Set
| * Show
+ Properties -----+
| * ManagedEvents
| * TrapAuditHandle
| * TrapAudit
| * TrapDrugHandle
| * TrapDrug
| * TrapOrderHandle
| * TrapOrder
| * TrapSystemHandle
| * TrapSystem
| * TrapTimerHandle
| * TrapTimer
| * this
+ Extends -----+
| * PSS BASE
| * PSS OBU UTILITY
+ -----+
PSS RETRIEVE PARAMETERS -----+
+ Events -----+
+ Methods -----+
| * ClassDiagram
| * ClassInfo
| * Clear
| * Get
| * Info
| * OutFlat
| * OutXML
| * Set
| * Show
+ Properties -----+
| * DataSource
| * EndDate
| * EventID
| * Ien

```

```

* LastEventIEN
* MaximumReturn
* MoreEntries?
* Name
* Procedure
* SaveParameterObject?
* StartDate
* Tag
* _this
+ Extends -----
* PSS BASE
* PSS OBU UTILITY
* PSS NAME
+ ----- +

```

6.3.46 Events

Name	Type	Description
N/A		

6.3.47 Methods

Name	Procedure/Function	Description
AddManagedEvent	ADDEVENT(	Add Events to ManagedEvents
Lookup	LOOKUP(	Lookup entries in ^PS(59.75
ManagedEvents	EVENTS(	Handler for collection
Persist	PERSIST(	Store entries in ^PS(59.75
PrepareForTrap	PREPARE(	Prepare Manager for Trapping
Purge	PURGE(	Purge older entries from ^PS(59.75
Retrieve	RETRIEVE(	Retrieve entries from ^PS(59.75

6.3.48 Properties

Name	Type	Visibility	Description
TrapAudit	Simple	Public	From PSS ASSUME AUDIT kernel parameter.
TrapAuditHandle	Simple	Public	Handle to Audit class from PrepareForAudit method.
TrapDrug	Simple	Public	From PSS ASSUME DRUG kernel parameter
TrapDrugHandle	Simple	Public	Handle to Drug Event class from PrepareForTrap method
TrapSystem	Simple	Public	From PSS ASSUME SYSTEM kernel parameter.
TrapSystemHandle	Simple	Public	Handle to System Event class from PrepareForTrap method.
TrapOrder	Simple	Public	From PSS ASSUME ORDER kernel parameter

Name	Type	Visibility	Description
TrapOrderHandle	Simple	Public	Handle to Order Event class from PrepareForTrap method
TrapTimer	Simple	Public	From PSS ASSUME TIMER kernel parameter
TrapOrderHandle	Simple	Public	Handle to Timer Event class from PrepareForTrap method
ManagedEvents	Child	Public	A collection of Event Class objects.

6.3.49 PSS RETRIEVE PARAMETERS

Name	Type	Visibility	Description
DataSource	Simple	Public	Defaults to '59.75'.
EndDate	Simple	Public	End date of the retrieve range
EventID	Simple	Public	To retrieve unique entry by EventID
LastEventIEN	Simple	Public	The last IEN retrieved, for cases of making another retrieve when numbers returned are constrained by MaximumReturn
MaximumReturn	Simple	Public	Set to limit the number of entries returned
MoreEntries?	Simple	Public	Boolean 'true' or 'false'. If true, additional entries are available.
Procedure	Simple	Public	The retrieve procedure to call. Current values are "All Events" (default), "System Level Events", "Drug Level Events", "Order Level Events", and "All Events for User"
SaveParameterObject	Simple	Public	Boolean 'true' or 'false'. Defaults to 'true'. If true, the PARAMS object is left resident at conclusion of EventManager.Retrieve call.
StartDate	Simple	Public	Start date of the retrieve range

6.3.50 Kernel Parameters

Name	Type	Format	Description
PSS ASSUME AUDIT	PKG	Boolean	Default value is "false". If true, an Interface Event Audit class will constructed, populated, and saved upon a completed interface call.
PSS ASSUME ERROR	PKG	Boolean	Default value is "false". If true, an Interface Event Error class will constructed, populated, and saved if an interface trip winds up in the error handler.

Name	Type	Format	Description
PSS ASSUME EXCEPTION	PKG	Boolean	Default value is “true”. If true, an Interface Event Exception class will constructed, populated, and saved if an interface trip winds up in the error handler.
PSS ASSUME PING	PKG	Boolean	Default value is “false”. If true, an Interface Event Ping class will constructed, populated, and upon a completed interface call from the ‘PING’ option, will be saved.
PSS ASSUME TIMER	PKG	Boolean	Default value is “false”. If true, the populated Timer will be saved upon a completed interface call.
PSS PURGE AFTER DAYS	PKG	Integer	The number of days entries in the Interface Event file will hang around. Default value is 30.

6.3.51 Constructor API

Function Name	CREATE(NAME,ROUTINE)		
Short Description			
Enhancement Category	<input checked="" type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change		
Related Options			
Related Routines	Routines “Called By”	Routines “Called”	
	N/A	\$\$CREATE^PSSOBU	
Data Dictionary References			
Related Protocols			
Related Integration Agreements			
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output <input checked="" type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local Reference		
Input Attribute Name and Definition	Name: NAME Definition: [optional] The class name, default is PSS OBU FACTORY. Name: ROUTINE Definition: [optional] The METHOD API, default is METHOD^PSSOBUF(.RESULT,ARGUMENT).		

Output Attribute Name and Definition	Name: HANDLE Definition: A unique integer value which identifies the class.
Current Logic	
Modified Logic (Changes are in bold)	

6.3.52 Destructor API

Function Name	DESTROY(HANDLE)	
Short Description		
Enhancement Category	<input checked="" type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
Related Options		
Related Routines	Routines “Called By”	Routines “Called”
	N/A	\$\$DESTROY^PSSOBU
Data Dictionary References		
Related Protocols		
Related Integration Agreements		
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output <input checked="" type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local Reference	
Input Attribute Name and Definition	Name: HANDLE Definition: The unique IEN for the object instance.	
Output Attribute Name and Definition	Name: RESULT Definition: 1 for successful object destruction	
Current Logic		
Modified Logic (Changes are in bold)		

6.3.53 Method API

Function Name	METHOD(RESULT,ARGUMENT)	
Short Description	The basic handler API for all classes.	
Enhancement Category	<input checked="" type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
Related Options		
Related Routines	Routines “Called By”	Routines “Called”
	N/A	METHOD^PSSOBU
Data Dictionary References		
Related Protocols		
Related Integration Agreements		
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output <input checked="" type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local Reference	
Input Attribute Name and Definition	Name: ARGUMENT Definition:[HANDLE].[METHOD].[ADDITIONAL PARAMS]	
Output Attribute Name and Definition	Name: RESULT Definition: Local variable to place argument results into.	
Current Logic		
Modified Logic (Changes are in bold)		

6.3.54 Help Frame

Help Frame Text	
Enhancement Category	<input type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change
Help Frame Text Calling Mechanism	
Current Help Frame Text	

Modified Help Frame Text (Changes are in bold)

6.3.55 System Level Event Class

This class extends the Order Check class, implementing details specific to system level events.

6.3.56 Routines (Entry Points)

Routine Name	PSSOBIES	
Enhancement Category	<input checked="" type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
SRS Traceability		
Related Options	N/A	
Related Routines	Routines “Called By”	Routines “Called”
	N/A	PSSOBOC PSSOBUL
Data Dictionary References	N/A	
Related Protocols	N/A	
Related Integration Agreements	N/A	
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	Name: Definition:	
Output Attribute Name and Definition	Name: Definition:	
Current Logic		
Modified Logic (Changes are in bold)		

6.3.57 Classes Defined

Class Name	PSS SYSTEM LEVEL EVENT
Derived From Class Name	PSS ORDER CHECK EVENT
Purpose	Trap Order Check Input, Stack and Symbol tables for system level events

6.3.58 Proposed Form

```

PSS SYSTEM LEVEL EVENT -----+
+ Events -----+
+ Methods -----+
| * AddStack
| * AddSymbol
| * ClassDiagram
| * ClassInfo
| * Clear
| * Commit
| * CopyTimerFromTimer
| * Get
| * Info
| * Initialize
| * LoadOrderCheckFromEnvironment
| * LoadOrderCheckFromFile
| * LoadSystemFromEnvironment
| * LoadSystemFromFile
| * Option
| * OutFlat
| * OutXML
| * Patient
| * Persist
| * ProfileDrugs
| * ProspectiveDrugs
| * ReadPurgeFlag
| * SetPurgeFlag
| * Set
| * Show
| * StackTable
| * SymbolTable
| * Timer
| * User
+ Properties -----+
| * Actionable?
| * AffectedDrug
| * Class
| * Date
| * DrugDoseCheck?
| * DrugDrugCheck?
| * DrugTherapyCheck?
| * ErrorCode
| * GlobalBase
| * LastGlobalReference
| * Level
| * Message
| * Option
| * Patient
| * PingCheck?
| * ProfileDrugs
| * ProfileVsProfileCheck?
| * ProspectiveDrugs
| * PurgeFlagSet?
| * Reason
| * Retransmitted?
| * Source
| * StackTable
| * SymbolTable
| * Timer
| * TopLevelResult
| * TransmitAttempts
| * User
| * ValuesTrapped?
| * XOB_Error
| * _this

```

```

+ Extends -----
| * PSS BASE
| * PSS OBU UTILITY
| * PSS INTERFACE EVENT
| * PSS ORDER CHECK EVENT
+ -----

```

6.3.59 Events

Name	Type	Description
N/A		

6.3.60 Methods

Name	Procedure/Function	Description
LoadSystemFromEnvironment	LOADFME(	Call parent load from environment, then collect system level properties
LoadSystemFromFile	LOADFMF(	Call parent load from file, then populate additional properties
AddStack	ADDSTACK(	Add an entry to the stack table.
AddSymbol	ADDSYMBOL(	Add an entry to the symbol table
SymbolTable	SYMBOL(	Handler for collection
StackTable	STACK(	Handler for collection

6.3.61 Properties

Name	Type	Visibility	Description
LastGlobalReference	Simple	Public	Last Global Reference
ErrorCode	Simple	Public	Error Code
ValuesTrapped?	Simple	Public	Boolean
XOB_ERROR	Simple	Public	Error Code from HWSC
SymbolTable	Child	Public	Collection of Symbol Table objects
StackTable	Child	Public	Collection of Stack Table objects

6.3.62 Constructor API

Function Name	CREATE(NAME,ROUTINE)
Short Description	
Enhancement Category	<input checked="" type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change
Related Options	

Related Routines	Routines “Called By”	Routines “Called”
	N/A	\$\$CREATE^PSSOBOC \$\$CREATE^PSSOBUL
Data Dictionary References		
Related Protocols		
Related Integration Agreements		
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output <input checked="" type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local Reference	
Input Attribute Name and Definition	Name: NAME Definition: [optional] The class name. Name: ROUTINE Definition: [optional] The METHOD API,	
Output Attribute Name and Definition	Name: HANDLE Definition: A unique integer value which identifies the class.	
Current Logic		
Modified Logic (Changes are in bold)		
After calling parent Create, add properties and collections for Symbol and Stack Table		

6.3.63 Destructor API

Function Name	DESTROY(HANDLE)	
Short Description		
Enhancement Category	<input checked="" type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
Related Options		
Related Routines	Routines “Called By”	Routines “Called”
	N/A	\$\$DESTROY^PSSOBOC \$\$DESTROY^PSSOBUL
Data Dictionary References		
Related Protocols		

Related Integration Agreements	
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output <input checked="" type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local Reference
Input Attribute Name and Definition	Name: HANDLE Definition: The unique IEN for the object instance.
Output Attribute Name and Definition	Name: RESULT Definition: 1 for successful object destruction
Current Logic	
Modified Logic (Changes are in bold)	

6.3.64 Method API

Function Name	METHOD(RESULT,ARGUMENT)	
Short Description	The basic handler API for all classes.	
Enhancement Category	<input checked="" type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
Related Options		
Related Routines	Routines "Called By"	Routines "Called"
	N/A	METHOD^PSSOBC
Data Dictionary References		
Related Protocols		
Related Integration Agreements		
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output <input checked="" type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local Reference	
Input Attribute Name and Definition	Name: ARGUMENT Definition:[HANDLE].[METHOD].[ADDITIONAL PARAMS]	

Output Attribute Name and Definition	Name: RESULT Definition: Local variable to place argument results into.
Current Logic	
Modified Logic (Changes are in bold)	

6.3.65 Help Frame

Help Frame Text	
Enhancement Category	<input type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change
Help Frame Text Calling Mechanism	
Current Help Frame Text	
Modified Help Frame Text (Changes are in bold)	

6.3.66 Drug Level Event Class

This class extends the Order Check class, implementing details specific to drug level events.

6.3.67 Routines (Entry Points)

Routine Name	PSSOBIED	
Enhancement Category	<input checked="" type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
SRS Traceability		
Related Options	N/A	
Related Routines	Routines “Called By”	Routines “Called”
	N/A	PSSOBOC PSSOBUL
Data Dictionary References	N/A	
Related Protocols	N/A	
Related Integration Agreements	N/A	
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	

Input Attribute Name and Definition	Name: Definition:
Output Attribute Name and Definition	Name: Definition:
Current Logic	
Modified Logic (Changes are in bold)	

6.3.68 Classes Defined

Class Name	PSS DRUG LEVEL EVENT
Derived From Class Name	PSS ORDER CHECK EVENT
Purpose	Trap Order Check info for drug level events

6.3.69 Proposed Form

```

PSS DRUG LEVEL EVENT -----+
+ Events -----+
+ Methods -----+
| * ClassDiagram
| * ClassInfo
| * Clear
| * Commit
| * CopyTimerFromTimer
| * Get
| * Info
| * Initialize
| * LoadDrugCheckFromEnvironment
| * LoadDrugCheckFromFile
| * LoadDrugExceptions
| * LoadOrderCheckFromEnvironment
| * LoadOrderCheckFromFile
| * Option
| * OutFlat
| * OutXML
| * Patient
| * Persist
| * ProfileDrugs
| * ProspectiveDrugs
| * ReadPurgeFlag
| * SetPurgeFlag
| * Set
| * Show
| * Timer
| * User
+ Properties -----+
| * Actionable?
| * AffectedDrug
| * Class
| * Date
| * DrugDoseCheck?
| * DrugDrugCheck?
| * DrugTherapyCheck?
| * ExceptionCount

```

<ul style="list-style-type: none"> * GlobalBase * Level * Message * Option * Patient * PingCheck? * ProfileDrugs * ProfileVsProfileCheck? * ProspectiveDrugs * PurgeFlagSet? * Reason * Retransmitted? * Source * Timer * TopLevelResult * TransmitAttempts * User * _this 	
+ Extends -----	
<ul style="list-style-type: none"> * PSS BASE * PSS OBU UTILITY * PSS INTERFACE EVENT * PSS ORDER CHECK EVENT 	
+ -----	+

6.3.70 Events

Name	Type	Description
N/A		

6.3.71 Methods

Name	Procedure/Function	Description
LoadDrugExceptions	LDE(	Create events, one for each entry in the exceptions node of the return array from the FDB API
LoadDrugCheckFromEnvironment	LOCFE(	Call parent load, then drug specific info
LoadDrugCheckFromFile	LOCFF(	Call parent load, then drug specific info

6.3.72 Properties

Name	Type	Visibility	Description
ExceptionCount	Simple	Public	The number of exceptions generated on this trip to FDB

6.3.73 Constructor API

Function Name	CREATE(NAME,ROUTINE)
Short Description	
Enhancement Category	<input checked="" type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change
Related Options	

Related Routines	Routines “Called By”	Routines “Called”
	N/A	\$\$CREATE^PSSOBOC
Data Dictionary References		
Related Protocols		
Related Integration Agreements		
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output <input checked="" type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local Reference	
Input Attribute Name and Definition	Name: NAME Definition: [optional] The class name. Name: ROUTINE Definition: [optional] The METHOD API,	
Output Attribute Name and Definition	Name: HANDLE Definition: A unique integer value which identifies the class.	
Current Logic		
Modified Logic (Changes are in bold)		

6.3.74 Destructor API

Function Name	DESTROY(HANDLE)	
Short Description		
Enhancement Category	<input checked="" type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
Related Options		
Related Routines	Routines “Called By”	Routines “Called”
	N/A	\$\$DESTROY^PSSOBOC
Data Dictionary References		
Related Protocols		
Related Integration		

Agreements	
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output <input checked="" type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local Reference
Input Attribute Name and Definition	Name: HANDLE Definition: The unique IEN for the object instance.
Output Attribute Name and Definition	Name: RESULT Definition: 1 for successful object destruction
Current Logic	
Modified Logic (Changes are in bold)	

6.3.75 Method API

Function Name	METHOD(RESULT,ARGUMENT)	
Short Description	The basic handler API for all classes.	
Enhancement Category	<input checked="" type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
Related Options		
Related Routines	Routines “Called By”	Routines “Called”
	N/A	METHOD^PSSOBC
Data Dictionary References		
Related Protocols		
Related Integration Agreements		
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output <input checked="" type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local Reference	
Input Attribute Name and Definition	Name: ARGUMENT Definition:[HANDLE].[METHOD].[ADDITIONAL PARAMS]	

Output Attribute Name and Definition	Name: RESULT Definition: Local variable to place argument results into.
Current Logic	
Modified Logic (Changes are in bold)	

6.3.76 Help Frame

Help Frame Text	
Enhancement Category	<input type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change
Help Frame Text Calling Mechanism	
Current Help Frame Text	
Modified Help Frame Text (Changes are in bold)	

6.3.77 Order Level Event Class

This class extends the Order Check class, implementing details specific to order level events.

6.3.78 Routines (Entry Points)

Routine Name	PSSOBIEO	
Enhancement Category	<input checked="" type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
SRS Traceability		
Related Options	N/A	
Related Routines	Routines “Called By”	Routines “Called”
	N/A	PSSOBOC
Data Dictionary References	N/A	
Related Protocols	N/A	
Related Integration Agreements	N/A	
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	

Input Attribute Name and Definition	Name: Definition:
Output Attribute Name and Definition	Name: Definition:
Current Logic	
Modified Logic (Changes are in bold)	

6.3.79 Classes Defined

Class Name	PSS ORDER LEVEL EVENT
Derived From Class Name	PSS ORDER CHECK EVENT
Purpose	Trap Order Check info for order level events

6.3.80 Proposed Form

```

PSS ORDER LEVEL EVENT -----+
+ Events -----+
+ Methods -----+
| * ClassDiagram
| * ClassInfo
| * Clear
| * Commit
| * CopyTimerFromTimer
| * Get
| * Info
| * Initialize
| * LoadDoseCheckFromEnvironment
| * LoadDoseCheckFromFile
| * LoadDoseExceptions
| * LoadOrderCheckFromEnvironment
| * LoadOrderCheckFromFile
| * Option
| * OutFlat
| * OutXML
| * Patient
| * Persist
| * ProfileDrugs
| * ProspectiveDrugs
| * ReadPurgeFlag
| * SetPurgeFlag
| * Set
| * Show
| * Timer
| * User
+ Properties -----+
| * Actionable?
| * AffectedDrug
| * Class
| * Date
| * DrugDoseCheck?
| * DrugDrugCheck?
| * DrugTherapyCheck?
| * GlobalBase

```


<ul style="list-style-type: none"> * Level * Message * Option * Patient * PingCheck? * ProfileDrugs * ProfileVsProfileCheck? * ProspectiveDrugs * PurgeFlagSet? * Reason * Retransmitted? * Source * Timer * TopLevelResult * TransmitAttempts * User * _this 	
+ Extends -----	
<ul style="list-style-type: none"> * PSS BASE * PSS OBU UTILITY * PSS INTERFACE EVENT * PSS ORDER CHECK EVENT 	
+ -----	

6.3.81 Events

Name	Type	Description
N/A		

6.3.82 Methods

Name	Procedure/Function	Description
LoadDoseExceptions	LDE(	Create events, one for each entry in the exceptions node of the return array from the FDB API
LoadDoseCheckFromEnvironment	LOCFE(	Call parent load, then order specific info
LoadDoseCheckFromFile	LOCFF(	Call parent load, then order specific info

6.3.83 Properties

Name	Type	Visibility	Description
N/A			

6.3.84 Constructor API

Function Name	CREATE(NAME,ROUTINE)
Short Description	
Enhancement Category	<input checked="" type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change
Related Options	

Related Routines	Routines “Called By”	Routines “Called”
	N/A	\$\$CREATE^PSSOBOC
Data Dictionary References		
Related Protocols		
Related Integration Agreements		
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output <input checked="" type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local Reference	
Input Attribute Name and Definition	Name: NAME Definition: [optional] The class name. Name: ROUTINE Definition: [optional] The METHOD API,	
Output Attribute Name and Definition	Name: HANDLE Definition: A unique integer value which identifies the class.	
Current Logic		
Modified Logic (Changes are in bold)		

6.3.85 Destructor API

Function Name	DESTROY(HANDLE)	
Short Description		
Enhancement Category	<input checked="" type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
Related Options		
Related Routines	Routines “Called By”	Routines “Called”
	N/A	\$\$DESTROY^PSSOBOC
Data Dictionary References		
Related Protocols		

Related Integration Agreements	
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output <input checked="" type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local Reference
Input Attribute Name and Definition	Name: HANDLE Definition: The unique IEN for the object instance.
Output Attribute Name and Definition	Name: RESULT Definition: 1 for successful object destruction
Current Logic	
Modified Logic (Changes are in bold)	

6.3.86 Method API

Function Name	METHOD(RESULT,ARGUMENT)	
Short Description	The basic handler API for all classes.	
Enhancement Category	<input checked="" type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
Related Options		
Related Routines	Routines “Called By”	Routines “Called”
	N/A	METHOD^PSSOBC
Data Dictionary References		
Related Protocols		
Related Integration Agreements		
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output <input checked="" type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local Reference	
Input Attribute Name and Definition	Name: ARGUMENT Definition:[HANDLE].[METHOD].[ADDITIONAL PARAMS]	
Output Attribute Name and Definition	Name: RESULT Definition: Local variable to place argument results into.	

Current Logic
Modified Logic (Changes are in bold)

6.3.87 Help Frame

Help Frame Text				
Enhancement Category	<input type="checkbox"/> New	<input type="checkbox"/> Modify	<input type="checkbox"/> Delete	<input type="checkbox"/> No Change
Help Frame Text Calling Mechanism				
Current Help Frame Text				
Modified Help Frame Text (Changes are in bold)				

6.3.88 Order Check Event Class

This class extends the Interface Event class, implementing details general to all order level events.

6.3.89 Routines (Entry Points)

Routine Name	PSSOBOC	
Enhancement Category	<input checked="" type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
SRS Traceability		
Related Options	N/A	
Related Routines	Routines “Called By”	Routines “Called”
	N/A	PSSOBIE PSSOBUL PSSOBU PSSOB9 XLFDT VADPT PSSOB3
Data Dictionary References	N/A	
Related Protocols	N/A	
Related Integration Agreements	N/A	

Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local
Input Attribute Name and Definition	Name: Definition:
Output Attribute Name and Definition	Name: Definition:
Current Logic	
Modified Logic (Changes are in bold)	

6.3.90 Classes Defined

Class Name	PSS ORDER CHECK EVENT
Derived From Class Name	PSS INTERFACE EVENT
Purpose	Handle Actions Common to all Order Check Events

6.3.91 Proposed Form

```

PSS ORDER CHECK EVENT -----+
+ Events -----+
+ Methods -----+
| * ClassDiagram
| * ClassInfo
| * Clear
| * Commit
| * CopyTimerFromTimer
| * Get
| * Info
| * Initialize
| * LoadOrderCheckFromEnvironment
| * LoadOrderCheckFromFile
| * Option
| * OutFlat
| * OutXML
| * Patient
| * Persist
| * ProfileDrugs
| * ProspectiveDrugs
| * ReadPurgeFlag
| * SetPurgeFlag
| * Set
| * Show
| * Timer
| * User
+ Properties -----+
| * Actionable?
| * AffectedDrug
| * Class
| * Date
| * DrugDoseCheck?
| * DrugDrugCheck?
| * DrugTherapyCheck?
| * GlobalBase

```

<ul style="list-style-type: none"> * Level * Message * Option * Patient * PingCheck? * ProfileDrugs * ProfileVsProfileCheck? * ProspectiveDrugs * PurgeFlagSet? * Reason * Retransmitted? * Source * Timer * TopLevelResult * TransmitAttempts * User * _this 	
+ Extends -----	
<ul style="list-style-type: none"> * PSS BASE * PSS OBU UTILITY * PSS INTERFACE EVENT 	
+ -----	

6.3.92 Events

Name	Type	Description
N/A		

6.3.93 Methods

Name	Procedure/Function	Description
LoadOrderCheckFromEnvironment	LFE(	Load base properties
LoadOrderCheckFromFile	LFF(	Retrieve & Load
CopyTimerFromTimer	COPYTIME(	Copy timer values from another timer
SetPurgeFlag	PURGEFLG(	Set purge value for actionable event
ReadPurgeFlag	READFLG(	Read purge value for actionable event

6.3.94 Properties

Name	Type	Visibility	Description
Actionable?	Simple	Public	Boolean 'true' or 'false'
TopLevelResult	Simple	Public	'0' node value of result from API
DrugDrugCheck?	Simple	Public	Boolean 'true' or 'false'
DrugTherapyCheck?	Simple	Public	Boolean 'true' or 'false'
DrugDoseCheck?	Simple	Public	Boolean 'true' or 'false'
PingCheck?	Simple	Public	Boolean 'true' or 'false'
ProfileVsProfileCheck?	Simple	Public	Boolean 'true' or 'false'
Retransmitted?	Simple	Public	Boolean 'true' or 'false'

Name	Type	Visibility	Description
AffectedDrug	Simple	Public	The drug name
PurgeFlagSet?	Simple	Public	Boolean 'true' or 'false'
ProspectiveDrugs	Child	Public	Collection of PropectiveDrug objects
ProfileDrugs	Child	Public	Collection of ProfileDrug objects

6.3.95 Constructor API

Function Name	CREATE(NAME,ROUTINE)		
Short Description			
Enhancement Category	<input checked="" type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change		
Related Options			
Related Routines	Routines "Called By"	Routines "Called"	
	N/A	\$\$CREATE^PSSOBIE \$\$CREATE^PSSOBUL	
Data Dictionary References			
Related Protocols			
Related Integration Agreements			
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output <input checked="" type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local Reference		
Input Attribute Name and Definition	Name: NAME Definition: [optional] The class name. Name: ROUTINE Definition: [optional] The METHOD API,		
Output Attribute Name and Definition	Name: HANDLE Definition: A unique integer value which identifies the class.		
Current Logic			
Modified Logic (Changes are in bold)			

6.3.96 Destructor API

Function Name	DESTROY(HANDLE)	
Short Description		
Enhancement Category	<input checked="" type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
Related Options		
Related Routines	Routines “Called By”	Routines “Called”
	N/A	\$\$DESTROY^PSSOBIE \$\$DESTROY^PSSOB9 \$\$DESTROY^PSSOBUL
Data Dictionary References		
Related Protocols		
Related Integration Agreements		
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output <input checked="" type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local Reference	
Input Attribute Name and Definition	Name: HANDLE Definition: The unique IEN for the object instance.	
Output Attribute Name and Definition	Name: RESULT Definition: 1 for successful object destruction	
Current Logic		
Modified Logic (Changes are in bold)		

6.3.97 Method API

Function Name	METHOD(RESULT,ARGUMENT)
Short Description	The basic handler API for all classes.
Enhancement Category	<input checked="" type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change
Related Options	

Related Routines	Routines “Called By”	Routines “Called”
	N/A	METHOD^PSSOBU
Data Dictionary References		
Related Protocols		
Related Integration Agreements		
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output <input checked="" type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local Reference	
Input Attribute Name and Definition	Name: ARGUMENT Definition: [HANDLE].[METHOD].[ADDITIONAL PARAMS]	
Output Attribute Name and Definition	Name: RESULT Definition: Local variable to place argument results into.	
Current Logic		
Modified Logic (Changes are in bold)		

6.3.98 Help Frame

Help Frame Text	
Enhancement Category	<input type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change
Help Frame Text Calling Mechanism	
Current Help Frame Text	
Modified Help Frame Text (Changes are in bold)	

6.3.99 Interface Event Class

This class extends the Utility class, adding properties for EventID, Message, Level, etc. Key value is the Event ID field, which will be tied to the ID field of file 59.75.

6.3.100 Routines (Entry Points)

Routine Name	PSSOBIE	
Enhancement Category	<input checked="" type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
SRS Traceability		
Related Options	N/A	
Related Routines	Routines “Called By”	Routines “Called”
	N/A	PSSOBU PSSOB3 XLFDT %ZTLOAD PSSOB4
Data Dictionary References	N/A	
Related Protocols	N/A	
Related Integration Agreements	N/A	
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	Name: Definition:	
Output Attribute Name and Definition	Name: Definition:	
Current Logic		
Modified Logic (Changes are in bold)		

Routine Name	PARAMS^PSSOBIE	
Enhancement Category	<input checked="" type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
SRS Traceability		
Related Options	PSS EVENT LOG PARAMETERS	
Related Routines	Routines “Called By”	Routines “Called”
	Kernel Menu Structure	XPAR DIR

		XLFDT %ZTLOAD PSSOB4
Data Dictionary References	N/A	
Related Protocols	N/A	
Related Integration Agreements	N/A	
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	Name: Definition:	
Output Attribute Name and Definition	Name: Definition:	
Current Logic		
Modified Logic (Changes are in bold)		

Routine Name	VIEW^PSSOBIE	
Enhancement Category	<input checked="" type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
SRS Traceability		
Related Options	PSS EVENT LOG VIEW	
Related Routines	Routines “Called By”	Routines “Called”
	Kernel Menu Structure	EN^PSSOBLV
Data Dictionary References	N/A	
Related Protocols	N/A	
Related Integration Agreements	N/A	
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	Name: Definition:	

Output Attribute Name and Definition	Name: Definition:
Current Logic	
Modified Logic (Changes are in bold)	

Routine Name	PURGE^PSSOBIE	
Enhancement Category	<input checked="" type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
SRS Traceability		
Related Options	N/A	
Related Routines	Routines “Called By”	Routines “Called”
	Taskman/Kernel Menu Structure	\$\$CREATE^PSSOBIEM METHOD^PSSOBIEM DESTROY^PSSOBIEM
Data Dictionary References	N/A	
Related Protocols	N/A	
Related Integration Agreements	N/A	
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	Name: Definition:	
Output Attribute Name and Definition	Name: Definition:	
Current Logic		
Modified Logic (Changes are in bold)		

6.3.101 Classes Defined

Class Name	PSS INTERFACE EVENT
Derived From Class Name	PSS OBU UTILITY

Purpose	A base class for common properties within Interface Events.
---------	---

6.3.102 Proposed Form

```

PSS INTERFACE EVENT -----+
+ Events -----+
+ Methods -----+
| * ClassDiagram
| * ClassInfo
| * Clear
| * Commit
| * Get
| * Info
| * Initialize
| * Option
| * OutFlat
| * OutXML
| * Patient
| * Persist
| * Set
| * Show
| * Timer
| * User
+ Properties -----+
| * Class
| * Date
| * GlobalBase
| * Level
| * Message
| * Option
| * Patient
| * Reason
| * Source
| * Timer
| * TransmitAttempts
| * User
| * _this
+ Extends -----+
| * PSS BASE
| * PSS OBU UTILITY
+ -----+

```

6.3.103 Events

Name	Type	Description
N/A		

6.3.104 Methods

Name	Procedure/Function	Description
Initialize	INIT(	Set base property values
Persist	PERSIST(	Prepare for filing
Commit	COMMIT(	Send to filer

6.3.105 Properties

Name	Type	Visibility	Description
GlobalBase	Simple	Public	Value of ^tmp(\$J,[base] passed to API
Class	Simple	Public	Public Class Name
Message	Simple	Public	Exception Value for viewer
Reason	Simple	Public	Exception Value
Level	Simple	Public	System, Drug, Order, Timer, Audit
Source	Simple	Public	Source of Exception
Date	Simple	Public	\$\$DT^XLFDT
TransmitAttempts	Simple	Public	0 to 1
User	Child	Public	PSS NAME object
Option	Child	Public	PSS NAME object
Patient	Child	Public	PSS NAME object
Timer	Child	Public	PSS TIMER object

6.3.106 Constructor API

Function Name	CREATE(NAME,ROUTINE)	
Short Description		
Enhancement Category	<input checked="" type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
Related Options		
Related Routines	Routines “Called By”	Routines “Called”
	N/A	\$\$CREATE^PSSOBU \$\$DT^XLFDT PSSOB3 PSSOB4
Data Dictionary References		
Related Protocols		
Related Integration Agreements		
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output <input checked="" type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local Reference	

Input Attribute Name and Definition	Name: NAME Definition: [optional] The class name, default is PSS OBU FACTORY Name: ROUTINE Definition: [optional] The METHOD API, default is METHOD^PSSOBUF(.RESULT,ARGUMENT).
Output Attribute Name and Definition	Name: HANDLE Definition: A unique integer value which identifies the class.
Current Logic	
Modified Logic (Changes are in bold)	

6.3.107 Destructor API

Function Name	DESTROY(HANDLE)	
Short Description		
Enhancement Category	<input checked="" type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
Related Options		
Related Routines	Routines “Called By”	Routines “Called”
	N/A	\$\$DESTROY^PSSOBU \$\$DESTROY^PSSOB3 \$\$DESTROY^PSSOB4
Data Dictionary References		
Related Protocols		
Related Integration Agreements		
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output <input checked="" type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local Reference	
Input Attribute Name and Definition	Name: HANDLE Definition: The unique IEN for the object instance.	

Output Attribute Name and Definition	Name: RESULT Definition: 1 for successful object destruction
Current Logic	
Modified Logic (Changes are in bold)	

6.3.108 Method API

Function Name	METHOD(RESULT,ARGUMENT)	
Short Description	The basic handler API for all classes.	
Enhancement Category	<input checked="" type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
Related Options		
Related Routines	Routines “Called By”	Routines “Called”
	N/A	METHOD^PSSOBU
Data Dictionary References		
Related Protocols		
Related Integration Agreements		
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output <input checked="" type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local Reference	
Input Attribute Name and Definition	Name: ARGUMENT Definition:[HANDLE].[METHOD].[ADDITIONAL PARAMS]	
Output Attribute Name and Definition	Name: RESULT Definition: Local variable to place argument results into.	
Current Logic		
Modified Logic (Changes are in bold)		

6.3.109 Help Frame

Help Frame Text	
Enhancement Category	<input type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change
Help Frame Text Calling Mechanism	
Current Help Frame Text	
Modified Help Frame Text (Changes are in bold)	

6.3.110 Timer Class

This class extends the Utility class, adding properties for start time, end time, and EventID.

6.3.111 Routines (Entry Points)

Routine Name	PSSOB4	
Enhancement Category	<input checked="" type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
SRS Traceability		
Related Options	N/A	
Related Routines	Routines “Called By”	Routines “Called”
	N/A	\$\$\$STATS^%ZOSVKR() PSSOBU
Data Dictionary References	N/A	
Related Protocols	N/A	
Related Integration Agreements	N/A	
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	Name: Definition:	
Output Attribute Name and Definition	Name: Definition:	
Current Logic		

Modified Logic (Changes are in bold)

6.3.112 Classes Defined

Class Name	PSS TIMER
Derived From Class Name	PSS OBU UTILITY
Purpose	For storing basic time values and EventID, for each trip to FDB. A basic component of the EventManager.

6.3.113 Proposed Form

```

PSS TIMER -----+
+ Events -----+
+ Methods -----+
| * ClassDiagram
| * ClassInfo
| * Clear
| * EndEvent
| * Get
| * Info
| * OutFlat
| * OutXML
| * Set
| * Show
| * StartEvent
+ Properties -----
| * EndTimeOS
| * EndTime
| * EventID
| * StartTimeOS
| * StartTime
| * this
+ Extends -----
| * PSS BASE
| * PSS OBU UTILITY
+ -----+

```

6.3.114 Events

Name	Type	Description
N/A		

6.3.115 Methods

Name	Procedure/Function	Description
StartEvent	START(	Set EventID, StartTime
EndEvent	END(	Set EndTime

6.3.116 Properties

Name	Type	Visibility	Description
EventID	Simple	Public	Date_\$_J_ThreadProcessCount

Name	Type	Visibility	Description
StartTime	Simple	Public	\$\$NOW^XLFDT
StartTimeOS	Simple	Public	Operating System time value
EndTime	Simple	Public	\$\$NOW^XLFD
EndTimeOS	Simple	Public	Operating System time value

6.3.117 Constructor API

Function Name	CREATE(NAME,ROUTINE)		
Short Description			
Enhancement Category	<input checked="" type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change		
Related Options			
Related Routines	Routines “Called By”	Routines “Called”	
	N/A	\$\$CREATE^PSSOBIE	
Data Dictionary References			
Related Protocols			
Related Integration Agreements			
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output <input checked="" type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local Reference		
Input Attribute Name and Definition	Name: NAME Definition: [optional] The class name, default is PSS OBU FACTORY. Name: ROUTINE Definition: [optional] The METHOD API, default is METHOD^PSSOBUF(.RESULT,ARGUMENT).		
Output Attribute Name and Definition	Name: HANDLE Definition: A unique integer value which identifies the class.		
Current Logic			
Modified Logic (Changes are in bold)			

6.3.118 Destructor API

Function Name	DESTROY(HANDLE)		
Short Description			
Enhancement Category	<input checked="" type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change		
Related Options			
Related Routines	Routines “Called By”	Routines “Called”	
	N/A	\$\$DESTROY^PSSOBIE	
Data Dictionary References			
Related Protocols			
Related Integration Agreements			
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output <input checked="" type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local Reference		
Input Attribute Name and Definition	Name: HANDLE Definition: The unique IEN for the object instance.		
Output Attribute Name and Definition	Name: RESULT Definition: 1 for successful object destruction		
Current Logic			
Modified Logic (Changes are in bold)			

6.3.119 Method API

Function Name	METHOD(RESULT,ARGUMENT)	
Short Description	The basic handler API for all classes.	
Enhancement Category	<input checked="" type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
Related Options		
Related Routines	Routines “Called By”	Routines “Called”
	N/A	METHOD^PSSOBU

Data Dictionary References	
Related Protocols	
Related Integration Agreements	
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output <input checked="" type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local Reference
Input Attribute Name and Definition	Name: ARGUMENT Definition:[HANDLE].[METHOD].[ADDITIONAL PARAMS]
Output Attribute Name and Definition	Name: RESULT Definition: Local variable to place argument results into.
Current Logic	
Modified Logic (Changes are in bold)	

6.3.120 Help Frame

Help Frame Text	
Enhancement Category	<input type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change
Help Frame Text Calling Mechanism	
Current Help Frame Text	
Modified Help Frame Text (Changes are in bold)	

6.3.121 Name Class

This class extends the Utility class, adding properties for Name, IEN, and Tag.

6.3.122 Routines (Entry Points)

Routine Name	PSSOB3
Enhancement Category	<input checked="" type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change
SRS Traceability	
Related Options	N/A

Related Routines	Routines “Called By”	Routines “Called”
	N/A	PSSOBU
Data Dictionary References	N/A	
Related Protocols	N/A	
Related Integration Agreements	N/A	
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	Name: Definition:	
Output Attribute Name and Definition	Name: Definition:	
Current Logic		
Modified Logic (Changes are in bold)		

6.3.123 Classes Defined

Class Name	PSS NAME
Derived From Class Name	PSS OBU UTILITY
Purpose	Generic Name Class

6.3.124 Proposed Form

```

PSS NAME -----+
+ Events -----
+ Methods -----
| * ClassDiagram
| * ClassInfo
| * Clear
| * Get
| * Info
| * OutFlat
| * OutXML
| * Set
| * Show
+ Properties -----
| * Ien
| * Name
| * Tag
| * this
+ Extends -----
| * PSS BASE
| * PSS OBU UTILITY
+ -----+

```

6.3.125 Events

Name	Type	Description
N/A		

6.3.126 Methods

Name	Procedure/Function	Description
N/A		

6.3.127 Properties

Name	Type	Visibility	Description
Name	Simple	Public	
Ien	Simple	Public	
Tag	Simple	Public	

6.3.128 Constructor API

Function Name	CREATE(NAME,ROUTINE)	
Short Description		
Enhancement Category	<input checked="" type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
Related Options		
Related Routines	Routines “Called By”	Routines “Called”
	N/A	\$\$CREATE^PSSOBU
Data Dictionary References		
Related Protocols		
Related Integration Agreements		
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output <input checked="" type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local Reference	
Input Attribute Name and Definition	Name: NAME Definition: [optional] The class name, default is class name. Name: ROUTINE Definition: [optional] The METHOD API, default is METHOD(.RESULT,ARGUMENT).	

Output Attribute Name and Definition	Name: HANDLE Definition: A unique integer value which identifies the class.
Current Logic	
Modified Logic (Changes are in bold)	

6.3.129 Destructor API

Function Name	DESTROY(HANDLE)	
Short Description		
Enhancement Category	<input checked="" type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
Related Options		
Related Routines	Routines “Called By”	Routines “Called”
	N/A	\$\$DESTROY^PSSOBU
Data Dictionary References		
Related Protocols		
Related Integration Agreements		
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output <input checked="" type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local Reference	
Input Attribute Name and Definition	Name: HANDLE Definition: The unique IEN for the object instance.	
Output Attribute Name and Definition	Name: RESULT Definition: 1 for successful object destruction	
Current Logic		
Modified Logic (Changes are in bold)		

6.3.130 Method API

Function Name	METHOD(RESULT,ARGUMENT)	
Short Description	The basic handler API for all classes.	
Enhancement Category	<input checked="" type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
Related Options		
Related Routines	Routines “Called By”	Routines “Called”
	N/A	METHOD^PSSOBU
Data Dictionary References		
Related Protocols		
Related Integration Agreements		
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output <input checked="" type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local Reference	
Input Attribute Name and Definition	Name: ARGUMENT Definition:[HANDLE].[METHOD].[ADDITIONAL PARAMS]	
Output Attribute Name and Definition	Name: RESULT Definition: Local variable to place argument results into.	
Current Logic		
Modified Logic (Changes are in bold)		

6.3.131 Help Frame

Help Frame Text	
Enhancement Category	<input type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change
Help Frame Text Calling Mechanism	
Current Help Frame Text	

Modified Help Frame Text (Changes are in bold)

6.3.132 Event Summary Class

This class collects brief info for initial display to the user.

6.3.133 Routines (Entry Points)

Routine Name	PSSOBIEB	
Enhancement Category	<input checked="" type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
SRS Traceability		
Related Options	N/A	
Related Routines	Routines “Called By”	Routines “Called”
	N/A	PSSOB3 PSSOBIES PSSOBIED PSSOBIEO DIQ PSSOBU
Data Dictionary References	N/A	
Related Protocols	N/A	
Related Integration Agreements	N/A	
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	Name: Definition:	
Output Attribute Name and Definition	Name: Definition:	
Current Logic		
Modified Logic (Changes are in bold)		

6.3.134 Classes Defined

Class Name	PSS EVENT SUMMARY
Derived From Class Name	PSS NAME
Purpose	Summary Level Info from 59.75

6.3.135 Proposed Form

```
PSS EVENT SUMMARY ---+
+ Events -----
+ Methods -----
| * ClassDiagram
| * ClassInfo
| * Clear
| * Get
| * Info
| * LoadSummaryFrom
| * OutFlat
| * OutXML
| * Set
| * Show
| * WholeChalupa
+ Properties -----
| * Class
| * Date
| * Ien
| * Level
| * Message
| * Name
| * OptionName
| * PatientIen
| * PatientName
| * PatientTag
| * Reason
| * Tag
| * TimerEndTime
| * UserIen
| * UserName
| * _this
+ Extends -----
| * PSS BASE
| * PSS OBU UTILITY
| * PSS NAME
+ ----- +
```

6.3.136 Events

Name	Type	Description
N/A		

6.3.137 Methods

Name	Procedure/Function	Description
LoadSummaryFromFile	LFF(	Get/Sort from 59.75
WholeChalupa	CHALUPA(	Return entire entry

6.3.138 Properties

Name	Type	Visibility	Description
Class	Simple	Public	Class Name of detail object
Level	Simple	Public	System, Drug, or Order
Message	Simple	Public	The exception message
Reason	Simple	Public	The exception reason
Date	Simple	Public	The exception date
TimerEndTime	Simple	Public	The time the event ended
UserName	Simple	Public	The user
UserIen	Simple	Public	The user ien
PatientName	Simple	Public	The Patient Name
PatientTag	Simple	Public	“(“_Last4SSN_”)”
PatientIen	Simple	Public	DFN
OptionName	Simple	Public	The option running at event time

6.3.139 Constructor API

Function Name	CREATE(NAME,ROUTINE)	
Short Description		
Enhancement Category	<input checked="" type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
Related Options		
Related Routines	Routines “Called By”	Routines “Called”
	N/A	\$\$CREATE^PSSOB3
Data Dictionary References		
Related Protocols		
Related Integration Agreements		
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output <input checked="" type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local Reference	
Input Attribute Name and	Name: NAME Definition: [optional] The class name, default is class name.	

Definition	Name: ROUTINE Definition: [optional] The METHOD API, default is METHOD(.RESULT,ARGUMENT).
Output Attribute Name and Definition	Name: HANDLE Definition: A unique integer value which identifies the class.
Current Logic	
Modified Logic (Changes are in bold)	

6.3.140 Destructor API

Function Name	DESTROY(HANDLE)	
Short Description		
Enhancement Category	<input checked="" type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
Related Options		
Related Routines	Routines “Called By”	Routines “Called”
	N/A	\$\$DESTROY^PSSOB3 DESTROY^PSSOBIES DESTROY^PSSOBIED DESTROY^PSSOBIEO
Data Dictionary References		
Related Protocols		
Related Integration Agreements		
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output <input checked="" type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local Reference	
Input Attribute Name and Definition	Name: HANDLE Definition: The unique IEN for the object instance.	
Output Attribute Name and Definition	Name: RESULT Definition: 1 for successful object destruction	

Current Logic
Modified Logic (Changes are in bold)

6.3.141 Method API

Function Name	METHOD(RESULT,ARGUMENT)	
Short Description	The basic handler API for all classes.	
Enhancement Category	<input checked="" type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
Related Options		
Related Routines	Routines “Called By”	Routines “Called”
	N/A	METHOD^PSSOB3
Data Dictionary References		
Related Protocols		
Related Integration Agreements		
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output <input checked="" type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local Reference	
Input Attribute Name and Definition	Name: ARGUMENT Definition:[HANDLE].[METHOD].[ADDITIONAL PARAMS]	
Output Attribute Name and Definition	Name: RESULT Definition: Local variable to place argument results into.	
Current Logic		
Modified Logic (Changes are in bold)		

6.3.142 Help Frame

N/A

6.4 Design Element Tables

N/A

6.4.1 Routines (Entry Points)

N/A

6.4.2 Templates

N/A

6.4.3 Bulletins

N/A

6.4.4 Data Dictionaries

N/A

6.4.5 Field Definition Information

N/A

6.4.6 Data Entries Affected by the Design

N/A

6.4.7 Unique Record(s) [Commonly the .01 field]

N/A

6.4.8 File/Global Size Changes

N/A

6.4.9 Mail Groups

N/A

6.4.10 Security Keys

N/A

6.4.11 Options

6.4.12 Options – Inpatient

N/A

6.4.13 Options – Outpatient

Option Name	PSO CHECK DRUG INTERACTION
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change
Associated Menu Options, etc, that will invoke this reference	PSO MANAGER, PSO USER1
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local Reference
Menu Text Description	Check drug interactions

Option Type	<input type="checkbox"/> Edit <input type="checkbox"/> Print <input type="checkbox"/> Menu <input type="checkbox"/> Inquire <input type="checkbox"/> Action <input checked="" type="checkbox"/> Run Routine <input type="checkbox"/> Other
Associated Routine	PSSDGCK^PSOUTL
Option Definition	Shall provide a function to a user to check for a drug interaction and Therapeutic Duplications between two or more drugs
Current Entry Action Logic	
N/A	
Modified Entry Action Logic (Changes are in bold)	
N/A	
Current Exit Action Logic	
N/A	
Modified Exit Action Logic (Changes are in bold)	
N/A	

6.4.14 Design Element Tables

6.4.14.1.1 Routines (PSJOCDSD)

Table 9: Routines

Routines	Activities	
Routine Name	PSJOCDSD	
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
RTM		
Related Options		
Related Routines	Routines "Called By"	Routines "Called"
Routines	Activities	
Data Dictionary (DD) References		
Related Protocols		
Related Integration Control Registrations (ICRs)		
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	Name: Definition:	
Output Attribute Name and Definition	Name: Definition:	

Current Logic
Display dosing information
Modified Logic (Changes are in bold)
Re-evaluate PDM changes to the ^TMP output and make sure the information display to the user are correct.

6.4.14.1.2 Routines (PSJOCDS)

Table 10: Routines

Routines	Activities
Routine Name	PSJOCDS
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change
RTM	
Related Options	N/A
Related Routines	Routines “Called By” Routines “Called”
Routines	Activities
Data Dictionary (DD) References	N/A
Related Protocols	N/A
Related Integration Control Registrations (ICRs)	N/A
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local
Input Attribute Name and Definition	Name: N/A Definition:
Output Attribute Name and Definition	Name: N/A Definition:
Current Logic	
Set up data to pass to PDM for dosing check	
Modified Logic (Changes are in bold)	
Make sure data required are correct	

6.4.14.1.3 Routines (PSJOCDS & PSIVOCDS)

Table 11: Routines

Routines	Activities	
Routine Name	PSJOCDS & PSIVOCDS	
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
RTM		
Related Options	N/A	
Related Routines	Routines “Called By”	Routines “Called”
Routines	Activities	
Data Dictionary (DD) References	N/A	
Related Protocols	N/A	
Related Integration Control Registrations (ICRs)	N/A	
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	Name: N/A Definition:	
Output Attribute Name and Definition	Name: N/A Definition:	
Current Logic		
Set up the correct value to pass to PDM		
Modified Logic (Changes are in bold)		
Unit Dose information will be addressed by ^PSJOCDS and IV is by ^PSIVOCDS		

6.4.14.1.4 Routines (PSIVOCDS)

Table 12: Routines

Routines	Activities
Routine Name	
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change
RTM	
Related Options	N/A

Related Routines	Routines “Called By”	Routines “Called”		
Routines	Activities			
Data Dictionary (DD) References	N/A			
Related Protocols	N/A			
Related Integration Control Registrations (ICRs)	N/A			
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local			
Input Attribute Name and Definition	Name: N/A Definition:			
Output Attribute Name and Definition	Name: N/A Definition:			
Current Logic				
Modified Logic (Changes are in bold)				

6.4.14.1.5 Routines (PSJAPIDS)

Table 13: Routines

Routines	Activities	
Routine Name	PSJAPIDS	
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
RTM		
Related Options	N/A	
Related Routines	Routines “Called By”	Routines “Called”
Routines	Activities	
Data Dictionary (DD) References	N/A	
Related Protocols	N/A	
Related Integration Control Registrations (ICRs)	N/A	

Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local
Input Attribute Name and Definition	Name: N/A Definition:
Output Attribute Name and Definition	Name: N/A Definition:
Current Logic	
Process data pass in by CPRS for IV orders and pass them on the PDM	
Modified Logic (Changes are in bold)	
Evaluate to ensure the required data are passing to PDM	

6.4.14.1.6 System Level Error Message Changes (RSD 2.6.3)

RSD 2.6.3.1, 2.6.3.2, 2.6.3.3, 2.6.3.4, 2.6.3.5

See RSD for details

Routines	Activities	
Routine Name	PSSDSAPI	
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
RTM	2.6.3.1	
Related Options		
Related Routines	Routines "Called By"	Routines "Called"
		Inpatient, Outpatient, and CPRS call this routine to see if Dosing checks are turned on.
Routines	Activities	
Data Dictionary (DD) References	^PS(59.7,1,81) (Piece 1)	
Related Protocols		
Related Integration Control Registrations (ICRs)		
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	Name: Definition:	
Output Attribute Name and Definition	Name: Definition:	

Current Logic
Q \$S(\$P(\$G(^PS(59.7,1,81)), "^"):1,1:"0^Maximum Single Dose Order Check is not available; please complete a manual check for appropriate Dosing.")
Modified Logic (Changes are in bold)
Q \$S(\$P(\$G(^PS(59.7,1,81)), "^"):1,1:"0^Dosing Checks are not available; please complete a manual check for appropriate Dosing.")

Routines	Activities	
Routine Name	PSSDSAPK	
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
RTM	2.6.3.1, 2.6.3.2, 2.6.3.3, 2.6.3.4, 2.6.3.5	
Related Options		
Related Routines	Routines "Called By"	Routines "Called"
		Inpatient, Outpatient, and CPRS Dosing checks all come through here.
Routines	Activities	
Data Dictionary (DD) References		
Related Protocols		
Related Integration Control Registrations (ICRs)		
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	Name: Definition:	
Output Attribute Name and Definition	Name: Definition:	
Current Logic		
<pre>+201 ;I \$P(\$G(PSSDBCAR(PSSDWLP)), "^")'="S"!(\$P(\$G(PSSDBCAR(PSSDWLP)), "^", 11)) Q 0 ;uncomment line for 2.1, for Daily Dose functionality +212 D ;I \$P(\$G(PSSDBCAR(PSSDWE1)), "^", 12)!(\$P(\$G(PSSDBCAR(PSSDWE1)), "^", 5)=0) D ;Remove 'D' and uncomment line for 2.1</pre>		
Modified Logic (Changes are in bold)		
<pre>+201 I \$P(\$G(PSSDBCAR(PSSDWLP)), "^")'="S"!(\$P(\$G(PSSDBCAR(PSSDWLP)), "^", 11)) Q 0 +212 I \$P(\$G(PSSDBCAR(PSSDWE1)), "^", 12)!(\$P(\$G(PSSDBCAR(PSSDWE1)), "^", 5)=0) D</pre>		

Routines	Activities	
Routine Name	PSSDSEXC	
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
RTM	2.6.3.1, 2.6.3.2, 2.6.3.3, 2.6.3.4, 2.6.3.5	
Related Options		
Related Routines	Routines “Called By”	Routines “Called”
		Inpatient, Outpatient, and CPRS Dosing checks all come through here.
Routines	Activities	
Data Dictionary (DD) References		
Related Protocols		
Related Integration Control Registrations (ICRs)		
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	Name: Definition:	
Output Attribute Name and Definition	Name: Definition:	
Current Logic		
<pre>+76 .F PSSDWEX5=0:0 S PSSDWEX5=\$O(PSSDBCAX(PSSDWEX3,PSSDWEX5)) Q:'PSSDWEX5 I PSSDWEX5=2!(PSSDWEX5=3)!(PSSDWEX5>11) D ;For 2.1 change to only do if PSSDWEX5'=1</pre>		
Modified Logic (Changes are in bold)		
<pre>+76 .F PSSDWEX5=0:0 S PSSDWEX5=\$O(PSSDBCAX(PSSDWEX3,PSSDWEX5)) Q:'PSSDWEX5 I PSSDWEX5'=1 D</pre>		

Routines	Activities	
Routine Name	To Be Determined	
Enhancement Category	<input type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
RTM		
Related Options		
Related Routines	Routines “Called By”	Routines “Called”

Routines	Activities
Data Dictionary (DD) References	
Related Protocols	
Related Integration Control Registrations (ICRs)	
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local
Input Attribute Name and Definition	Name: Definition:
Output Attribute Name and Definition	Name: Definition:
Current Logic	
Modified Logic (Changes are in bold)	

6.4.14.1.7 Drug Level Error Message Changes (RSD 2.6.4)

RSD 2.6.4.1, 2.6.4.2, 2.6.4.3, 2.6.4.4, 2.6.4.5, 2.6.4.6

See RSD for details

Routines	Activities	
Routine Name	PSSDSAPK	
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
RTM	2.6.4.1, 2.6.4.2, 2.6.4.3, 2.6.4.4, 2.6.4.5, 2.6.4.6	
Related Options		
Related Routines	Routines “Called By”	Routines “Called”
		Inpatient, Outpatient, and CPRS Dosing checks all come through here.
Routines	Activities	
Data Dictionary (DD) References		
Related Protocols		
Related Integration Control Registrations (ICRs)		

Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local
Input Attribute Name and Definition	Name: Definition:
Output Attribute Name and Definition	Name: Definition:
Current Logic	
<pre> +201 ;I \$P(\$G(PSSDBCAR(PSSDWLP)),"^")'="S"!(\$P(\$G(PSSDBCAR(PSSDWLP)),"^",11)) Q 0 ;uncomment line for 2.1, for Daily Dose functionality +212 D ;I \$P(\$G(PSSDBCAR(PSSDWE1)),"^",12)!(\$P(\$G(PSSDBCAR(PSSDWE1)),"^",5)=0) D ;Remove 'D' and uncomment line for 2.1 </pre>	
Modified Logic (Changes are in bold)	
<pre> +201 I \$P(\$G(PSSDBCAR(PSSDWLP)),"^")'="S"!(\$P(\$G(PSSDBCAR(PSSDWLP)),"^",11)) Q 0 +212 I \$P(\$G(PSSDBCAR(PSSDWE1)),"^",12)!(\$P(\$G(PSSDBCAR(PSSDWE1)),"^",5)=0) D </pre>	

Routines	Activities	
Routine Name	PSSDSEXC	
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
RTM	2.6.4.1, 2.6.4.2, 2.6.4.3, 2.6.4.4, 2.6.4.5, 2.6.4.6	
Related Options		
Related Routines	Routines “Called By”	Routines “Called”
		Inpatient, Outpatient, and CPRS Dosing checks all come through here.
Routines	Activities	
Data Dictionary (DD) References		
Related Protocols		
Related Integration Control Registrations (ICRs)		
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	Name: Definition:	
Output Attribute Name and Definition	Name: Definition:	
Current Logic		
<pre> +76 .F PSSDWEX5=0:0 S PSSDWEX5=\$O(PSSDBCAX(PSSDWEX3,PSSDWEX5)) Q:'PSSDWEX5 I PSSDWEX5=2!(PSSDWEX5=3)!(PSSDWEX5>11) D ;For 2.1 change to only do if PSSDWEX5'=1 </pre>		

Modified Logic (Changes are in bold)	
+76	.F PSSDWEX5=0:0 S PSSDWEX5=\$O(PSSDBCAX(PSSDWEX3,PSSDWEX5)) Q:'PSSDWEX5 I PSSDWEX5'=1 D

Routines	Activities	
Routine Name	To Be Determined	
Enhancement Category	<input type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
RTM		
Related Options		
Related Routines	Routines "Called By"	Routines "Called"
Routines	Activities	
Data Dictionary (DD) References		
Related Protocols		
Related Integration Control Registrations (ICRs)		
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	Name: Definition:	
Output Attribute Name and Definition	Name: Definition:	
Current Logic		
Modified Logic (Changes are in bold)		

6.4.14.1.8 Order Level Error Message Changes (RSD 2.6.5)

RSD 2.6.5.1, 2.6.5.2, 2.6.5.3, 2.6.5.4, 2.6.5.5, 2.6.5.5.1, 2.6.5.6, 2.6.5.6.1, 2.6.5.7, 2.6.5.7.1, 2.6.5.8, 2.6.5.9, 2.6.5.10, 2.6.5.10.1, 2.6.5.11, 2.6.5.11.1, 2.6.5.12, 2.6.5.12.1, 2.6.5.13, 2.6.5.14, 2.6.5.15, 2.6.5.16, 2.6.5.17, 2.6.5.17.1, 2.6.5.17.2, 2.6.5.18, 2.6.5.19, 2.6.5.19.1, 2.6.5.19.2, 2.6.5.20, 2.6.5.21, 2.6.5.22, 2.6.5.23, 2.6.5.24, 2.6.5.25, 2.6.5.26, 2.6.5.27, 2.6.5.28, 2.6.5.29, 2.6.5.29.1, 2.6.5.29.2, 2.6.5.29.3, 2.6.5.29.4, 2.6.5.30, 2.6.5.31, 2.6.5.32, 2.6.5.32.1, 2.6.5.32.2, 2.6.5.32.3, 2.6.5.32.4, 2.6.5.32.5, 2.6.5.33, 2.6.5.34, 2.6.5.35, 2.6.5.36, 2.6.5.37, 2.6.5.38

See RSD for details

Routines	Activities	
Routine Name	PSSDSAPK	
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
RTM	2.6.5.1, 2.6.5.2, 2.6.5.3, 2.6.5.4, 2.6.5.5, 2.6.5.5.1, 2.6.5.6, 2.6.5.6.1, 2.6.5.7,2.6.5.7.1,2.6.5.8,2.6.5.9, 2.6.5.10, 2.6.5.10.1, 2.6.5.11,2.6.5.11.1, 2.6.5.12, 2.6.5.12.1, 2.6.5.13, 2.6.5.14, 2.6.5.15, 2.6.5.16, 2.6.5.17, 2.6.5.17.1, 2.6.5.17.2, 2.6.5.18, 2.6.5.19, 2.6.5.19.1, 2.6.5.19.2, 2.6.5.20, 2.6.5.21, 2.6.5.22, 2.6.5.23, 2 6.5.24, 2.6.5.25, 2 6.5.26, 2.6.5.27, 2.6.5.28, 2.6.5.29, 2.6.5.29.1, 2.6.5.29.2, 2.6.5.29.3, 2.6.5.29.4, 2.6.5.30, 2.6.5.31, 2.6.5.32, 2.6.5.32.1, 2.6.5.32.2, 2.6.5.32.3, 2.6.5.32.4, 2.6.5.32.5, 2.6.5.33, 2.6.5.34, 2.6.5.35, 2.6.5.36, 2.6.5.37, 2.6.5.38	
Related Options		
Related Routines	Routines "Called By"	Routines "Called"
		Inpatient, Outpatient, and CPRS Dosing checks all come through here.
Routines	Activities	
Data Dictionary (DD) References		
Related Protocols		
Related Integration Control Registrations (ICRs)		
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	Name: Definition:	
Output Attribute Name and Definition	Name: Definition:	
Current Logic		
<pre> +201 ;I \$P(\$G(PSSDBCAR(PSSDWLP)),"^")!="S"!(\$P(\$G(PSSDBCAR(PSSDWLP)),"^",11)) Q 0 ;uncomment line for 2.1, for Daily Dose functionality +212 D ;I \$P(\$G(PSSDBCAR(PSSDWE1)),"^",12)!(\$P(\$G(PSSDBCAR(PSSDWE1)),"^",5)=0) D ;Remove 'D' and uncomment line for 2.1 </pre>		
Modified Logic (Changes are in bold)		
<pre> +201 I \$P(\$G(PSSDBCAR(PSSDWLP)),"^")!="S"!(\$P(\$G(PSSDBCAR(PSSDWLP)),"^",11)) Q 0 +212 I \$P(\$G(PSSDBCAR(PSSDWE1)),"^",12)!(\$P(\$G(PSSDBCAR(PSSDWE1)),"^",5)=0) D </pre>		

Routines	Activities	
Routine Name	PSSDSEXC	
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
RTM	2.6.5.1, 2.6.5.2, 2.6.5.3, 2.6.5.4, 2.6.5.5, 2.6.5.5.1, 2.6.5.6, 2.6.5.6.1, 2.6.5.7,2.6.5.7.1,2.6.5.8,2.6.5.9, 2.6.5.10, 2.6.5.10.1, 2.6.5.11,2.6.5.11.1, 2.6.5.12, 2.6.5.12.1, 2.6.5.13, 2.6.5.14, 2.6.5.15, 2.6.5.16, 2.6.5.17, 2.6.5.17.1, 2.6.5.17.2, 2.6.5.18, 2.6.5.19, 2.6.5.19.1, 2.6.5.19.2, 2.6.5.20, 2.6.5.21, 2.6.5.22, 2.6.5.23, 2 6.5.24, 2.6.5.25, 2 6.5.26, 2.6.5.27, 2.6.5.28, 2.6.5.29, 2.6.5.29.1, 2.6.5.29.2, 2.6.5.29.3, 2.6.5.29.4, 2.6.5.30, 2.6.5.31, 2.6.5.32, 2.6.5.32.1, 2.6.5.32.2, 2.6.5.32.3, 2.6.5.32.4, 2.6.5.32.5, 2.6.5.33, 2.6.5.34, 2.6.5.35, 2.6.5.36, 2.6.5.37, 2.6.5.38	
Related Options		
Related Routines	Routines “Called By”	Routines “Called”
		Inpatient, Outpatient, and CPRS Dosing checks all come through here.
Routines	Activities	
Data Dictionary (DD) References		
Related Protocols		
Related Integration Control Registrations (ICRs)		
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	Name: Definition:	
Output Attribute Name and Definition	Name: Definition:	
Current Logic		
<pre>+76 .F PSSDWEX5=0:0 S PSSDWEX5=\$O(PSSDBCAX(PSSDWEX3,PSSDWEX5)) Q:'PSSDWEX5 I PSSDWEX5=2!(PSSDWEX5=3)!(PSSDWEX5>11) D ;For 2.1 change to only do if PSSDWEX5'=1</pre>		
Modified Logic (Changes are in bold)		
<pre>+76 .F PSSDWEX5=0:0 S PSSDWEX5=\$O(PSSDBCAX(PSSDWEX3,PSSDWEX5)) Q:'PSSDWEX5 I PSSDWEX5'=1 D</pre>		

Routines	Activities
Routine Name	To Be Determined
Enhancement Category	<input type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change

RTM		
Related Options		
Related Routines	Routines “Called By”	Routines “Called”
Routines	Activities	
Data Dictionary (DD) References		
Related Protocols		
Related Integration Control Registrations (ICRs)		
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	Name: Definition:	
Output Attribute Name and Definition	Name: Definition:	
Current Logic		
Modified Logic (Changes are in bold)		

6.4.14.1.9 Schedule File – Dosing Check Frequency (RSD 2.6.6)

RSD 2.6.6.1, 2.6.6.2, 2.6.6.2.1, 2.6.6.2.2, 2.6.6.2.2.1, 2.6.6.2.2.2, 2.6.6.2.2.3, 2.6.6.3, 2.6.6.3.1, 2.6.6.3.2, 2.6.6.3.3, 2.6.6.4, 2.6.6.5

See RSD for details

Routines	Activities	
Routine Name	To Be Determined	
Enhancement Category	<input type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
RTM		
Related Options		
Related Routines	Routines “Called By”	Routines “Called”

Routines	Activities
Data Dictionary (DD) References	
Related Protocols	
Related Integration Control Registrations (ICRs)	
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local
Input Attribute Name and Definition	Name: Definition:
Output Attribute Name and Definition	Name: Definition:
Current Logic	
Modified Logic (Changes are in bold)	

Field Name	Current Value	New Value
RTM 2.6.6.2, 2.6.6.2, 2.6.6.2.1	None	See capture below

```

51.1.1,11      DOSING CHECK FREQUENCY 3;2 FREE TEXT

INPUT TRANSFORM:  K:$L(X)>30!($L(X)<1) X
LAST EDITED:      MAY 09, 2013
HELP-PROMPT:      Answer must be 1-30 characters in length.

```

Field Name	Current Value	New Value
RTM 2.6.6.2.2, 2.6.6.2.2.1, 2.6.6.2.2.2, 2.6.6.2.2.3	None	See capture below

```

51.112,.01     DRUG                                0;1 POINTER TO DRUG FILE (#50)

LAST EDITED:    MAY 09, 2013
CROSS-REFERENCE: 51.112^B
                  1)= S ^PS(51.1,DA(1),4,"B",$E(X,1,30),DA)=" "
                  2)= K ^PS(51.1,DA(1),4,"B",$E(X,1,30),DA)

FILES POINTED TO      FIELDS
DRUG (#50)             DRUG (#.01)

```

6.4.14.1.10 Medication Instruction File – Dosing Check Frequency (RSD 2.6.7)

RSD 2.6.7.1, 2.6.7.2, 2.6.7.2.1, 2.6.7.2.2, 2.6.7.2.2.1, 2.6.7.2.2.2, 2.6.7.2.2.3, 2.6.7.3, 2.6.7.3.1, 2.6.7.4, 2.6.7.5

See RSD for details

Routines	Activities	
Routine Name	To Be Determined	
Enhancement Category	<input type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
RTM		
Related Options		
Related Routines	Routines “Called By”	Routines “Called”
Routines	Activities	
Data Dictionary (DD) References		
Related Protocols		
Related Integration Control Registrations (ICRs)		
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	Name: Definition:	
Output Attribute Name and Definition	Name: Definition:	
Current Logic		
Modified Logic (Changes are in bold)		

Field Name	Current Value	New Value
RTM 2.6.7.1, 2.6.7.2, 2.6.7.2.1	None	See capture below

```

51,32      DOSING CHECK FREQUENCY 4;2 FREE TEXT

          INPUT TRANSFORM:  K:$L(X)>30!($L(X)<1) X
          LAST EDITED:      MAY 09, 2013
          HELP-PROMPT:      Answer must be 1-30 characters in length.
  
```

Field Name	Current Value	New Value
RTM 2.6.7.2.2, 2.6.7.2.2.1, 2.6.7.2.2.2, 2.7.7.2.2.3	None	See capture below

```

51.033,.01      DRUG                                0;1 POINTER TO DRUG FILE (#50)

      LAST EDITED:      MAY 09, 2013
      CROSS-REFERENCE:  51.033^B
                        1)= S ^PS(51,DA(1),5,"B",$E(X,1,30),DA)=" "
                        2)= K ^PS(51,DA(1),5,"B",$E(X,1,30),DA)

      FILES POINTED TO      FIELDS
DRUG (#50)                  DRUG (#.01)

```

6.4.14.1.11 Schedule Exclusions (RSD 2.6.8)

RSD 2.6.8.1, 2.6.8.2, 2.6.8.3, 2.6.8.4, 2.6.8.5, 2.6.8.6, 2.6.8.7

See RSD for details

Routines	Activities	
Routine Name	To Be Determined	
Enhancement Category	<input type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
RTM		
Related Options		
Related Routines	Routines "Called By"	Routines "Called"
Routines	Activities	
Data Dictionary (DD) References		
Related Protocols		
Related Integration Control Registrations (ICRs)		
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	Name: Definition:	
Output Attribute Name and Definition	Name: Definition:	

Current Logic
Modified Logic (Changes are in bold)

6.4.14.1.12 Per Orifice Note (RSD 2.6.9)

RSD 2.6.9.1, 2.6.9.1.1, 2.6.9.1.2, 2.6.9.1.3, 2.6.9.2, 2.6.9.2.1, 2.6.9.2.2, 2.6.9.2.3, 2.6.9.3, 2.6.9.3.1, 2.6.9.3.2, 2.6.9.3.3

See RSD for details

Routines	Activities	
Routine Name	To Be Determined	
Enhancement Category	<input type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
RTM		
Related Options		
Related Routines	Routines “Called By”	Routines “Called”
Routines	Activities	
Data Dictionary (DD) References		
Related Protocols		
Related Integration Control Registrations (ICRs)		
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	Name: Definition:	
Output Attribute Name and Definition	Name: Definition:	
Current Logic		
Modified Logic (Changes are in bold)		

6.4.14.1.13 Duration/Duration Rate (RSD 2.6.10)

RSD 2.6.10.1, 2.6.10.2, 2.6.10.3, 2.6.10.4, 2.6.10.5, 2.6.10.6, 2.6.10.7, 2.6.10.8, 2.6.10.9

See RSD for details

Routines	Activities	
Routine Name	To Be Determined	
Enhancement Category	<input type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
RTM		
Related Options		
Related Routines	Routines “Called By”	Routines “Called”
Routines	Activities	
Data Dictionary (DD) References		
Related Protocols		
Related Integration Control Registrations (ICRs)		
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	Name: Definition:	
Output Attribute Name and Definition	Name: Definition:	
Current Logic		
Modified Logic (Changes are in bold)		

6.4.14.1.14 Frequency – Outpatient Medication Orders (RSD 2.6.11)

RSD 2.6.11.1, 2.6.11.2, 2.6.11.3, 2.6.11.4, 2.6.11.4.1, 2.6.11.4.2, 2.6.11.4.3, 2.6.11.4.3.1, 2.6.11.5, 2.6.11.5.1, 2.6.11.5.2, 2.6.11.5.2.1, 2.6.11.5.3, 2.6.11.5.3.1, 2.6.11.5.4, 2.6.11.5.4.1, 2.6.11.5.5, 2.6.11.5.6, 2.6.11.5.6.1, 2.6.11.5.7, 2.6.11.6, 2.6.11.6.1, 2.6.11.6.1.1, 2.6.11.6.2, 2.6.11.7, 2.6.11.7.1, 2.6.11.7.2, 2.6.11.8, 2.6.11.9, 2.6.11.10, 2.6.11.11, 2.6.11.11.1, 2.6.11.11.2, 2.6.11.11.3, 2.6.11.11.4, 2.6.11.11.5, 2.6.11.11.6, 2.6.11.12, 2.6.11.12.1

See RSD for details

Routines	Activities	
Routine Name	PSSDSAPI	
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
RTM	2.6.11.1, 2.6.11.2, 2.6.11.4, 2.6.11.4.1, 2.6.11.4.2, 2.6.11.4.3, 2.6.11.4.3.1, 2.6.11.5, 2.6.11.5.1, 2.6.11.5.2, 2.6.11.5.2.1, 2.6.11.5.3, 2.6.11.5.3.1, 2.6.11.5.4, 2.6.11.5.4.1, 2.6.11.5.5, 2.6.11.5.6, 2.6.11.5.6.1, 2.6.11.5.7, 2.6.11.6, 2.6.11.8, 2.6.11.9, 2.6.11.10, 2.6.11.11, 2.6.11.11.1, 2.6.11.11.2, 2.6.11.11.3, 2.6.11.11.4, 2.6.11.11.4, 2.6.11.11.5, 2.6.11.11.6, 2.6.11.12, 2.6.11.12.1	
Related Options		
Related Routines	Routines “Called By”	Routines “Called”
Routines	Activities	
Data Dictionary (DD) References		
Related Protocols		
Related Integration Control Registrations (ICRs)		
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	Name: Definition:	
Output Attribute Name and Definition	Name: Definition:	
Current Logic		
\$\$FRQ^PSSDSAPI - returns the frequency to be used in the dosing check		
Modified Logic (Changes are in bold)		
Add a new parameter for the calling routine to pass in the Drug IEN. Also start calling the new ^PSSDDAPF routine to determine the frequency from the above specific requirements.		

Routines	Activities	
Routine Name	PSSDSAPF	
Enhancement Category	<input checked="" type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	

RTM	2.6.11.1, 2.6.11.2, 2.6.11.4, 2.6.11.4.1, 2.6.11.4.2, 2.6.11.4.3, 2.6.11.4.3.1, 2.6.11.5, 2.6.11.5.1, 2.6.11.5.2, 2.6.11.5.2.1, 2.6.11.5.3, 2.6.11.5.3.1, 2.6.11.5.4, 2.6.11.5.4.1, 2.6.11.5.5, 2.6.11.5.6, 2.6.11.5.6.1, 2.6.11.5.7, 2.6.11.6, 2.6.11.8, 2.6.11.9, 2.6.11.10, 2.6.11.11, 2.6.11.11.1, 2.6.11.11.2, 2.6.11.11.3, 2.6.11.11.4, 2.6.11.11.4, 2.6.11.11.5, 2.6.11.11.6, 2.6.11.12, 2.6.11.12.1	
Related Options		
Related Routines	Routines “Called By”	Routines “Called”
Routines	Activities	
Data Dictionary (DD) References		
Related Protocols		
Related Integration Control Registrations (ICRs)		
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	Name: Definition:	
Output Attribute Name and Definition	Name: Definition:	
Current Logic		
Modified Logic (Changes are in bold)		
Evaluate each requirement to return the appropriate frequency for the provided schedule.		

Routines	Activities
Routine Name	PSSDSAPF
Enhancement Category	<input checked="" type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change
RTM	2.6.11.1, 2.6.11.3, 2.6.11.4.3.1, 2.6.11.6, 2.6.11.6.1, 2.6.11.6.1.1, 2.6.11.6.2, 2.6.11.7, 2.6.11.7.1, 2.6.11.7.2, 2.6.11.11,
Related Options	

Related Routines	Routines “Called By”	Routines “Called”
Routines	Activities	
Data Dictionary (DD) References		
Related Protocols		
Related Integration Control Registrations (ICRs)		
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	Name: Definition:	
Output Attribute Name and Definition	Name: Definition:	
Current Logic		
Modified Logic (Changes are in bold)		
Evaluate each requirement using the ADMINISTRATION SCHEDULE file (#51.1) and the MEDICATION INSTRUCTION file (#51) to return the appropriate frequency for the provided schedule.		

Routines	Activities	
Routine Name	To Be Determined	
Enhancement Category	<input type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
RTM		
Related Options		
Related Routines	Routines “Called By”	Routines “Called”
Routines	Activities	
Data Dictionary (DD) References		
Related Protocols		

Related Integration Control Registrations (ICRs)	
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local
Input Attribute Name and Definition	Name: Definition:
Output Attribute Name and Definition	Name: Definition:
Current Logic	
Modified Logic (Changes are in bold)	

6.4.14.1.15 Frequency – Inpatient Medication Orders (RSD 2.6.12)

RSD 2.6.12.1, 2.6.12.2, 2.6.12.3, 2.6.12.4, 2.6.12.4.1, 2.6.12.4.2, 2.6.12.4.3, 2.6.12.4.3.1, 2.6.12.5, 2.6.12.5.1, 2.6.12.5.1.1, 2.6.12.6, 2.6.12.6.1, 2.6.12.7, 2.6.12.8, 2.6.12.9, 2.6.12.10, 2.6.12.10.1

See RSD for details

Routines	Activities	
Routine Name	PSSDSAPI	
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
RTM	2.6.12.1, 2.6.12.2, 2.6.12.3, 2.6.12.4, 2.6.12.4.1, 2.6.12.4.2, 2.6.12.4.3, 2.6.12.4.3.1, 2.6.12.5, 2.6.12.5.1, 2.6.12.6, 2.6.12.6.1, 2.6.12.7, 2.6.12.8, 2.6.12.9, 2.6.12.10, 2.6.12.10.1,	
Related Options		
Related Routines	Routines “Called By”	Routines “Called”
Routines	Activities	
Data Dictionary (DD) References		
Related Protocols		
Related Integration Control Registrations (ICRs)		
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	

Input Attribute Name and Definition	Name: Definition:
Output Attribute Name and Definition	Name: Definition:
Current Logic	
\$\$FRQ^PSSDSAPI - returns the frequency to be used in the dosing check	
Modified Logic (Changes are in bold)	
Add a new parameter for the calling routine to pass in the Drug IEN. Also start calling the new ^PSSDDAPF routine to determine the frequency from the above specific requirements.	

Routines	Activities	
Routine Name	PSSDSAPF	
Enhancement Category	<input checked="" type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
RTM	2.6.12.1, 2.6.12.2, 2.6.12.3, 2.6.12.4, 2.6.12.4.1, 2.6.12.4.2, 2.6.12.4.3, 2.6.12.4.3.1, 2.6.12.5, 2.6.12.5.1, 2.6.12.6, 2.6.12.6.1, 2.6.12.7, 2.6.12.8, 2.6.12.9, 2.6.12.10, 2.6.12.10.1,	
Related Options		
Related Routines	Routines "Called By"	Routines "Called"
Routines	Activities	
Data Dictionary (DD) References		
Related Protocols		
Related Integration Control Registrations (ICRs)		
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	Name: Definition:	
Output Attribute Name and Definition	Name: Definition:	
Current Logic		

Modified Logic (Changes are in bold)
Evaluate each requirement to return the appropriate frequency for the provided schedule.

Routines	Activities	
Routine Name	To Be Determined	
Enhancement Category	<input type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
RTM		
Related Options		
Related Routines	Routines “Called By”	Routines “Called”
Routines	Activities	
Data Dictionary (DD) References		
Related Protocols		
Related Integration Control Registrations (ICRs)		
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	Name: Definition:	
Output Attribute Name and Definition	Name: Definition:	
Current Logic		
Modified Logic (Changes are in bold)		

6.4.14.1.16 Old Schedule Name(s) (RSD 2.6.13)

RSD 2.6.13.1, 2.6.13.1.1, 2.6.13.1.2, 2.6.13.1.3, 2.6.13.1.4, 2.6.13.1.5, 2.6.13.1.6, 2.6.13.2, 2.6.13.3

See RSD for details

Routines	Activities	
Routine Name	To Be Determined	
Enhancement Category	<input type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	

Routines	Activities	
Routine Name	To Be Determined	
RTM		
Related Options		
Related Routines	Routines “Called By”	Routines “Called”
Routines	Activities	
Data Dictionary (DD) References		
Related Protocols		
Related Integration Control Registrations (ICRs)		
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	Name: Definition:	
Output Attribute Name and Definition	Name: Definition:	
Current Logic		
Modified Logic (Changes are in bold)		

Field Name	Current Value	New Value
RTM 2.6.13.1, 2.6.13.1.1	None	See capture below

```

51.1,13      OLD SCHEDULE NAME      5;1 FREE TEXT

INPUT TRANSFORM:  K:$L(X)>30!($L(X)<1) X
LAST EDITED:     MAY 09, 2013
HELP-PROMPT:     Answer must be 1-30 characters in length.

```

6.4.14.1.17 Old Med Instruction Name(s) (RSD 2.6.14)

RSD 2.6.14.1, 2.6.14.1.1, 2.6.14.1.2, 2.6.14.1.3, 2.6.14.1.4, 2.6.14.1.5, 2.6.14.1.6, 2.6.14.2, 2.6.14.3

See RSD for details

Routines	Activities	
Routine Name	To Be Determined	
Enhancement Category	<input type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
RTM		
Related Options		
Related Routines	Routines “Called By”	Routines “Called”
Routines	Activities	
Data Dictionary (DD) References		
Related Protocols		
Related Integration Control Registrations (ICRs)		
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	Name: Definition:	
Output Attribute Name and Definition	Name: Definition:	
Current Logic		
Modified Logic (Changes are in bold)		

Field Name	Current Value	New Value
RTM 2.6.14.1, 2.6.14.1.1	None	See capture below

```

51,34      OLD SCHEDULE NAME      6;1 FREE TEXT

          INPUT TRANSFORM:  K:$L(X)>30!($L(X)<1) X
          LAST EDITED:      MAY 09, 2013
          HELP-PROMPT:      Answer must be 1-30 characters in length.

```

6.4.14.1.18 APSP Intervention Type File (RSD 2.6.15)

RSD 2.6.15.1, 2.6.15.2

See RSD for details

Routines	Activities	
Routine Name	To Be Determined	
Enhancement Category	<input type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
RTM		
Related Options		
Related Routines	Routines “Called By”	Routines “Called”
Routines	Activities	
Data Dictionary (DD) References		
Related Protocols		
Related Integration Control Registrations (ICRs)		
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	Name: Definition:	
Output Attribute Name and Definition	Name: Definition:	
Current Logic		
Modified Logic (Changes are in bold)		

6.4.14.1.19 Max Daily Dose Order Check Not Done – Frequency Check Fails (RSD 2.6.16)

RSD 2.6.16.1, 2.6.16.1.1, 2.6.16.1.2, 2.6.16.1.2.1, 2.6.16.1.3, 2.6.16.1.4, 2.6.16.1.4.1, 2.6.16.1.4.1.1, 2.6.16.1.4.1.2, 2.6.16.1.4.1.3, 2.6.16.1.4.2, 2.6.16.1.4.2.1, 2.6.16.1.4.3

See RSD for details

Routines	Activities	
Routine Name	To Be Determined	
Enhancement Category	<input type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
RTM		
Related Options		

Related Routines	Routines “Called By”	Routines “Called”		
Routines	Activities			
Data Dictionary (DD) References				
Related Protocols				
Related Integration Control Registrations (ICRs)				
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local			
Input Attribute Name and Definition	Name: Definition:			
Output Attribute Name and Definition	Name: Definition:			
Current Logic				
Modified Logic (Changes are in bold)				

6.4.14.1.20 Enhanced Free Text Logic for Dosage Ranges (RSD 2.6.17)

RSD 2.6.17.1, 2.6.17.2, 2.6.17.3, 2.6.17.4, 2.6.17.5, 2.6.17.6, 2.6.17.7, 2.6.17.8, 2.6.17.9, 2.6.17.10

See RSD for details

Routines	Activities	
Routine Name	To Be Determined	
Enhancement Category	<input type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
RTM		
Related Options		
Related Routines	Routines “Called By”	Routines “Called”
Routines	Activities	
Data Dictionary (DD) References		
Related Protocols		

Related Integration Control Registrations (ICRs)	
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local
Input Attribute Name and Definition	Name: Definition:
Output Attribute Name and Definition	Name: Definition:
Current Logic	
Modified Logic (Changes are in bold)	

6.4.14.1.21 Informational Data in Parenthesis as part of Dosage Ordered (RSD 2.6.18)

RSD 2.6.18.1, 2.6.18.2, 2.6.18.3, 2.6.18.4

See RSD for details

Routines	Activities	
Routine Name	To Be Determined	
Enhancement Category	<input type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
RTM		
Related Options		
Related Routines	Routines “Called By”	Routines “Called”
Routines	Activities	
Data Dictionary (DD) References		
Related Protocols		
Related Integration Control Registrations (ICRs)		
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	Name: Definition:	
Output Attribute Name and Definition	Name: Definition:	

Current Logic
Modified Logic (Changes are in bold)

6.4.14.1.22 Add Free Text Logic for Multi Ingredient (RSD 2.6.19)

RSD 2.6.19.1

See RSD for details

Routines	Activities	
Routine Name	To Be Determined	
Enhancement Category	<input type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
RTM		
Related Options		
Related Routines	Routines “Called By”	Routines “Called”
Routines	Activities	
Data Dictionary (DD) References		
Related Protocols		
Related Integration Control Registrations (ICRs)		
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	Name: Definition:	
Output Attribute Name and Definition	Name: Definition:	
Current Logic		
Modified Logic (Changes are in bold)		

6.4.14.1.23 Customized Frequency Message (RSD 2.6.20)

RSD 2.6.20.1, 2.6.20.2, 2.6.20.2.1, 2.6.20.2.2

See RSD for details

Routines	Activities	
Routine Name	PSSHRQ23	
Enhancement Category	<input type="checkbox"/> New <input checked="" type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
RTM	2.6.20.1, 2.6.20.2, 2.6.20.2.1, 2.6.20.2.2	
Related Options		
Related Routines	Routines "Called By"	Routines "Called"
Routines	Activities	
Data Dictionary (DD) References		
Related Protocols		
Related Integration Control Registrations (ICRs)		
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	Name: Definition:	
Output Attribute Name and Definition	Name: Definition:	
Current Logic		
<pre> +251 . ; +263 . +275 . </pre>		
Modified Logic (Changes are in bold)		
<pre> +251 . ; +263 . ; +275 . ; </pre> <p>Below is the new code added to routine PSSHRQ23 to retrieve the data elements from FDB needed to satisfy these requirements.</p> <pre> . DO:PSS("childName")="frequencyStatus" . . SET HASH(COUNT,"frequencyStatus")=\$\$GETTEXT^PSSHRCOM(DOCHAND,PSS("child")) . . QUIT . DO:PSS("childName")="frequencyStatusCode" . . SET HASH(COUNT,"frequencyStatusCode")=\$\$GETTEXT^PSSHRCOM(DOCHAND,PSS("child")) . . QUIT . DO:PSS("childName")="frequencyMessage" . . SET HASH(COUNT,"frequencyMessage")=\$\$GETTEXT^PSSHRCOM(DOCHAND,PSS("child")) . . QUIT . DO:PSS("childName")="frequencyHigh" . . SET HASH(COUNT,"frequencyHigh")=\$\$GETTEXT^PSSHRCOM(DOCHAND,PSS("child")) </pre>		

```

. . QUIT
. DO:PSS("childName")="frequencyLow"
. . SET HASH(COUNT,"frequencyLow")=$$GETTEXT^PSSHRCOM(DOCHAND,PSS("child"))

. ; Frequency values, if any
. I $$CHKVAL(.HASH,I,"frequencyStatus")
SET @NODE@("FREQ","FREQUENCYSTATUS",IEN)=HASH(I,"frequencyStatus")
. I $$CHKVAL(.HASH,I,"frequencyStatusCode")
SET @NODE@("FREQ","FREQUENCYSTATUSCODE",IEN)=HASH(I,"frequencyStatusCode")
. I $$CHKVAL(.HASH,I,"frequencyMessage")
SET @NODE@("FREQ","FREQUENCYMESSAGE",IEN)=HASH(I,"frequencyMessage")
. I $$CHKVAL(.HASH,I,"frequencyHigh")
SET @NODE@("FREQ","FREQUENCYHIGH",IEN)=HASH(I,"frequencyHigh")
. I $$CHKVAL(.HASH,I,"frequencyLow")
SET @NODE@("FREQ","FREQUENCYLOW",IEN)=HASH(I,"frequencyLow")

```

Routines	Activities	
Routine Name	To Be Determined	
Enhancement Category	<input type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
RTM		
Related Options		
Related Routines	Routines "Called By"	Routines "Called"
Routines	Activities	
Data Dictionary (DD) References		
Related Protocols		
Related Integration Control Registrations (ICRs)		
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	Name: Definition:	
Output Attribute Name and Definition	Name: Definition:	
Current Logic		
Modified Logic (Changes are in bold)		

6.4.14.1.24 Dose Unit Conversion File (RSD 2.6.21)

RSD 2.6.21.1, 2.6.21.1.1, 2.6.21.2, 2.6.21.3, 2.6.21.4, 2.6.21.5, 2.6.21.6, 2.6.21.6.1

See RSD for details

Routines	Activities	
Routine Name	To Be Determined	
Enhancement Category	<input type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
RTM		
Related Options		
Related Routines	Routines "Called By"	Routines "Called"
Routines	Activities	
Data Dictionary (DD) References		
Related Protocols		
Related Integration Control Registrations (ICRs)		
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	Name: Definition:	
Output Attribute Name and Definition	Name: Definition:	
Current Logic		
Modified Logic (Changes are in bold)		

6.4.14.1.25 Display of Calculated Max Daily Dose Warning Message (RSD 2.6.22)

RSD 2.6.22.1, 2.6.22.2, 2.6.22.3, 2.6.22.4, 2.6.22.5

See RSD for details

Routines	Activities
Routine Name	To Be Determined
Enhancement Category	<input type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change

RTM		
Related Options		
Related Routines	Routines “Called By”	Routines “Called”
Routines	Activities	
Data Dictionary (DD) References		
Related Protocols		
Related Integration Control Registrations (ICRs)		
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	Name: Definition:	
Output Attribute Name and Definition	Name: Definition:	
Current Logic		
Modified Logic (Changes are in bold)		

6.4.14.1.26 Dose Units File (#51.24) (RSD 2.6.23)

RSD 2.6.23.1

See RSD for details

Routines	Activities	
Routine Name	To Be Determined	
Enhancement Category	<input type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
RTM		
Related Options		
Related Routines	Routines “Called By”	Routines “Called”

Routines	Activities
Data Dictionary (DD) References	
Related Protocols	
Related Integration Control Registrations (ICRs)	
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local
Input Attribute Name and Definition	Name: Definition:
Output Attribute Name and Definition	Name: Definition:
Current Logic	
Modified Logic (Changes are in bold)	

6.4.14.1.27 VistA Interface – Addition of Data Elements (RSD 2.6.24)

RSD 2.6.24.1

See RSD for details

Routines	Activities	
Routine Name	To Be Determined	
Enhancement Category	<input type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
RTM		
Related Options		
Related Routines	Routines “Called By”	Routines “Called”
Routines	Activities	
Data Dictionary (DD) References		
Related Protocols		
Related Integration Control Registrations (ICRs)		
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	

Input Attribute Name and Definition	Name: Definition:
Output Attribute Name and Definition	Name: Definition:
Current Logic	
Modified Logic (Changes are in bold)	

6.4.14.1.28 Drug Interaction Order Checks – Exclude Expired OP Orders (RSD 2.6.25)

RSD 2.6.25.1

See RSD for details

Routines	Activities	
Routine Name	To Be Determined	
Enhancement Category	<input type="checkbox"/> New <input type="checkbox"/> Modify <input type="checkbox"/> Delete <input type="checkbox"/> No Change	
RTM		
Related Options		
Related Routines	Routines “Called By”	Routines “Called”
Routines	Activities	
Data Dictionary (DD) References		
Related Protocols		
Related Integration Control Registrations (ICRs)		
Data Passing	<input type="checkbox"/> Input <input type="checkbox"/> Output Reference <input type="checkbox"/> Both <input type="checkbox"/> Global Reference <input type="checkbox"/> Local	
Input Attribute Name and Definition	Name: Definition:	
Output Attribute Name and Definition	Name: Definition:	
Current Logic		

Modified Logic (Changes are in bold)
6.4.14.1.29 Templates N/A
6.4.14.1.30 Bulletins N/A
6.4.14.1.31 Data Entries Affected by the Design N/A
6.4.14.1.32 Unique Record(s) N/A
6.4.14.1.33 File or Global Size Changes N/A
6.4.14.1.34 Mail Groups N/A
6.4.14.1.35 Security Keys N/A
6.4.14.1.36 Options N/A
6.4.14.1.37 Protocols N/A
6.4.14.1.38 Remote Procedure Call (RPC) N/A
6.4.14.1.39 Constants Defined in Interface N/A
6.4.14.1.40 Variables Defined in Interface N/A
6.4.14.1.41 Types Defined in Interface N/A
6.4.14.1.42 GUI N/A
6.4.14.1.43 GUI Classes N/A

6.4.14.1.44	Current Form
N/A	
6.4.14.1.45	Modified Form
N/A	
6.4.14.1.46	Components on Form
N/A	
6.4.14.1.47	Events
N/A	
6.4.14.1.48	Methods
N/A	
6.4.14.1.49	Special References
N/A	
6.4.14.1.50	Class Events
N/A	
6.4.14.1.51	Class Methods
N/A	
6.4.14.1.52	Class Properties
N/A	
6.4.14.1.53	Uses Clause
N/A	
6.4.14.1.54	Forms
N/A	
6.4.14.1.55	Functions
N/A	
6.4.14.1.56	Dialog
N/A	
6.4.14.1.57	Help Frame
N/A	
6.4.14.1.58	HL7 Application Parameter
N/A	
6.4.14.1.59	HL7 Logical Link
N/A	
6.4.14.1.60	COTS Interface
N/A	

7 External Interface Design

N/A

7.1 Interface Architecture

N/A

7.2 Interface Detailed Design

N/A

8 Human-Machine Interface

N/A

8.1 Interface Design Rules

N/A

8.2 Inputs

N/A

8.3 Outputs

N/A

8.4 Navigation Hierarchy

N/A


9 System Integrity Controls

N/A


10 Approval Signatures

The signature below is an acknowledgement that the signatory understands the purpose and content of this document.

Signed:

, *ProJect Manager*

Signed:

 *OIT PD PRE, Program Manager*
Integrated Project Team Chair

Signed:

, *VHA PBM, Director*
Business Sponsor

Signed:

, *OIT SDE PAO, Project Manager*
Service Delivery and Engineering

Signed:

[REDACTED]

Enterprise Architecture

Signed:

[REDACTED]

ETS Engineering Division Manager

A. Additional Information

A.1. RTM

Include an RTM that traces modules and data structures to the software requirements. A reference to the location of the RTM is also acceptable.

N/A at this time

A.2. Packaging and Installation

Outline any special considerations for software packaging and installation.

N/A at this time

A.3. Design Metrics

Describe all metrics to be used during the design activity.

N/A at this time

A.4. Acronym List and Glossary

Table 14: Acronyms

Term	Meaning
AITC	Austin Information Technology Center
API	Application Programming Interface
BSA	Body Surface Area
CCR	Code Change Request
COTS	Commercial-Off-The-Shelf
CPRS	Computerized Patient Record System
CR	Change Request
FDB	First DataBank
HWSC	Healthevet Web Services Client
LPD	Local Possible Dosage
MOCHA	Medication Order Check Healthcare Application
PDM	Pharmacy Data Management
PITC	Philadelphia Information Technology Center
RDI	Remote Data Interoperability
SDD	Software Design Document
VAP	VA Product
VistA	Veterans Health Information Systems and Technology Architecture

A.5. Required Technical Documents

The following documents must be submitted for review to support proper approval:

- *Conformance Validation Statement (CVS) - Section 508*

For additional information regarding how to obtain proper approval for this project, refer to the following documents:

- *IT Infrastructure Standards*
- *Systems Engineering and Design Review (SEDR) process*
- *Enterprise Architecture Web page*
- *One-VA TRM*

N/A at this time