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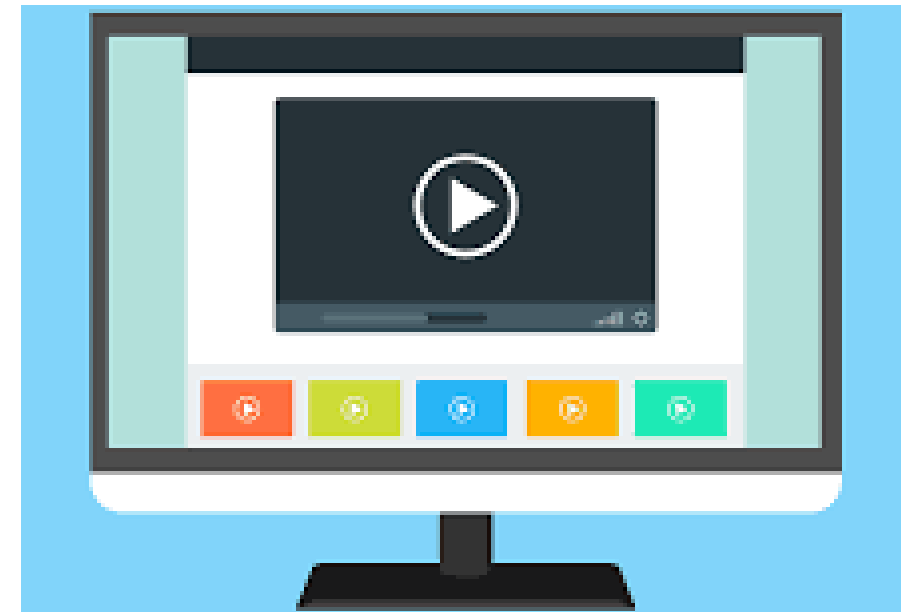
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Course Materials & Recordings

Download the resources available in the File Transfer window (if applicable).

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Note: Screenshots may be difficult to read details. Intended use is for examples only.



RPMS IHS Pharmacy Modifications APSP Version 7.0 Patch 1035 and RPMS Automated Dispensing Interface BOP Version 1.0 Patch 4 Updates

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Objectives/Overview

- Review changes associated with the release of RPMS IHS Pharmacy Modifications (APSP) Version 7.0 Patch 1035
- Review changes associated with the release of RPMS Automated Dispensing Interface (BOP) Version 1.0 Patch 4



RPMS Pharmacy Related Software Packages

- APSP – IHS Pharmacy Modifications
- APSA – Benchmark Price Updates
- APSS – Pharmacy Outpatient Automation Interface
- BEPC – Electronic Prescribing of Controlled Substances (EPCS)
- BEPR – ePrescribing Productions
- BEX – Pharmacy Auto Refill System
- BOP – Automated Dispensing Interface System
- BPDM – Controlled Drug Export System
- PSB – BarCode Medication Administration (BCMA)
- PSJ – Pharmacy Inpatient Suite
- PSO – Outpatient Pharmacy
- PSN – National Drug File



RPMS Patches: General Overview

RPMS pharmacy software releases contain Features

- Features may be fixes, enhancements, new functionality, etc.

Some Features are not noticeable by most end users

Some releases have pre- or post-installation steps that must be addressed by IT or Informaticist

- Required pre- or post-installation steps will be specified in software release notice



RPMS Updates: Software Releases

Releases determined by organization needs

- RPMS Feedback
- Service Now RPMS Helpdesk Tickets
- Feedback during RPMS patch testing
- Requirements
 - Federal and State Laws and Regulations
 - Accreditation: Joint Commission, Center for Medicare Services, etc.
 - Payment programs: Promoting Interoperability, etc.

Releases may be versions or patches of a version

- Examples: BPDQ v1.0, APSP v7.0 p1033

Some packages with routine releases (monthly, quarterly, etc.)

- Examples: APSA Benchmark Price, PSN National Drug File



RPMS Updates: Features

Feature requests are reviewed and prioritized

- Considerations:
 - Requirement
 - Patient Safety
 - Usability
 - Security
- Assess feasibility

Work for fiscal year is mapped and divided into software releases

- Number of releases varies depending on RPMS package, content, complexity, resources
- Determine release dependencies
 - i.e., Patch X contains software updates that impact Patch Y



RPMS Updates: The Process

RPMS Patch Lifecycle

- Planning
 - Determine feature requirements
- Development
- Internal testing
 - Testing by OIT on test databases
- Alpha testing
 - Testing in the field on test database
 - Scripted testing with pre-defined scripts and checklists
- Beta Testing
 - Testing in the field on a production (aka live) database
 - Scripted testing with pre-defined scripts and checklists
 - Unscripted testing with normal, every-day use
- National Release
 - Notices via email listservs



RPMS Release Notice EXAMPLE

RPMS IHS Pharmacy MOD Version 7.0 Patch 1032 Release Announcement March 2023

The Indian Health Service Office of Information Technology and the RPMS IHS Pharmacy program announce the following application release:

- IHS Pharmacy MOD Version 7.0, Patch 1032 (RPMS Namespace: APSP)

A release notice from the IHS Office of Information Technology has been sent to all RPMS site managers, and site managers are advised to notify users once the application has been installed. Complete details of the modifications in this release are included in the official Installation Guide or Notes File.



RPMS Patches: Last Patch Lister

Pharmacy Last Patch Lister [APSP LAST PATCH LISTER] (LPAT) can be accessed in RPMS to determine latest patches installed on local system

```
Select IHS Kernel <TEST ACCOUNT> Option: ^LPAT
Pharmacy Last Patch Lister [APSP LAST PATCH LISTER] (LPAT)

Pharmacy Related Packages
Last Patch Lister

Package                Version    Last Patch    Date Installed
-----
NATIONAL DRUG FILE     4.0       1202          04/24/2025@09:21:36
IHS PHARMACY MODIFICATIONS 7.0       1034          01/18/2024@14:16:33
ADVERSE REACTION TRACKING 4.0       2004          09/09/2024@08:35:15
PHARMACY POINT OF SALE  1.0       55            03/28/2025@07:00:08
AUTOMATED DISPENSING INTERFACE 1.0       4             02/15/2024@14:20:32
IHS SCRIPTPRO INTERFACE  1.0       3             06/28/2023@07:04:13
BEX AUDIOCARE TELEPHONE REFILL 1.0       6             06/21/2023@09:22:15
CONTROLLED DRUG EXPORT SYSTEM 2.0       7             01/27/2025

The last EHR installation was EHR*1.1*38 on 05/01/2025@15:02:53.
Last Benchmark Price monthly update occurred on 11/04/2024
```



Upcoming RPMS Pharmacy Software Releases



APSP – IHS Pharmacy Modifications v7.0

p1035 Features

- Add new Pharmacist Workload Report for Unit Dose and IV orders
- Update prescription and inpatient medication order schedule fields to allow more than 2 spaces
- Update the IEN that is included in the Additive field and Solution field in Inpatient Pharmacy Orders
- Add Clinic Location to IV Label and IV Ward List for IV orders placed in clinic
- Update the logic for Inpatient Medications for Outpatient (IMO) order Number of Days Until Stop
- Modify the logic for Inpatient Medications for Outpatient (IMO) order START date/time
- Allow 3 refills for prescriptions with 91 days supply
- Add a new Prescription Pickup Log menu to view documented prescription pickup activity
- Modifications to Prescription Pickup Log
- Update PSRX node
- Update Standard Medication Routes file
- eRx - New Provider SPI Report
- eRx - Modify APSP SS DIRECTORY UPDATE option to inactivate old pharmacy entries in the Surescripts directory
- eRx - Modify APSP routine for SS Queue component in EHR to change text color when selected patient has unmapped requests
- eRx - Modify APSP SS DIRECTORY UPDATE routine to convert "us" country code to "US" and allow import of the entry
- Force a value for undefined variable in QUECHECK+7^APSPESG3



Add New Pharmacist Workload Report for Unit Dose and IV Orders

APSP p1035 adds a new Pharmacist Workload Report - Unit Dose and IV Orders to IHS Specific Pharmacy Options menu

Parameters allow users to specify date range, Location, Individual Pharmacy User, or All Pharmacy Users

Returns the number of unit dose medication orders and IV orders processed by pharmacy users



Add New Pharmacist Workload Report for Unit Dose and IV Orders: Examples

Select IHS-Specific Pharmacy Options Option: Pharmacist Workload Report - UD/IV

Pharmacist Workload Report - UD/IV Orders

*** Date Range Selection ***
 Begin with DATE: JAN 17, 2025//1/1/2024 (JAN 01, 2024)
 End with DATE: JAN 17, 2025//12/31/2024 (DEC 31, 2024)

Would you like orders displayed by location? No// NO

Select one of the following:

- I Individual Pharmacy user
- A All Pharmacy users

Lookup Individual User or List ALL Users? : A// 11 Pharmacy users
 DEVICE: HOME// Virtual
 Pharmacist Workload Report - UD/IV Orders: All Users
 Jan 01, 2024 - Dec 31, 2024

Pharmacy User	UD orders	% total	IV orders	% total	Total
AUxxxxxxxxxxxx	12	26.7	2	8	14
DOxxxxxxxxxxxx	0	0	3	12	3
HAxxxxxxxxxxxx	24	53.3	4	16	28
PIxxxxxxxxxxxx	7	15.6	16	64	23
SAxxxxxxxxxxxx	2	4.4	0	0	2
Total Unit Dose:	45		IV: 25	TOTAL:	70

Location: DEMO CLINIC

Pharmacy User	UD orders	% total	IV orders	% total	Total
[0	0	2	100	2
.	1	100	0	0	1
Total Location Unit Dose:	1		IV: 2	Total:	3

Location: ED Triage

Pharmacy User	UD orders	% total	IV orders	% total	Total
H	3	100	0	0	3
Total Location Unit Dose:	3		IV: 0	Total:	3

Location: EMERGENCY DEPARTMENT

Pharmacy User	UD orders	% total	IV orders	% total	Total
f	3	42.9	2	20	5
f	4	57.1	8	80	12
Total Location Unit Dose:	7		IV: 10	Total:	17
Total Unit Dose:	45		IV: 25	TOTAL:	70

Pharmacist workload Report - UD/IV orders: All Users by Location
 Feb 14, 2024 - Feb 13, 2025

Location: LOCATION FIELD EMPTY

Pharmacy User	UD orders	% total	IV orders	% total	Total
PINTO-YAZZIE,ANGELA	2	100	4	100	6
Total Location Unit Dose:	2		IV: 4	Total:	6



Update Prescription and Inpatient Medication Order Schedule Fields to Allow More Than 2 Spaces

APSP p1035:

- Updates to allow an unlimited number of spaces in schedules in prescriptions and inpatient medication orders
- Increases the character length limit of schedules from 20 to 24
- Supports use of schedules such as ONCE IN CLINIC PRN

```
MED ROUTE: IVPB - IV PIGGYBACK IVPB  
SCHEDULE: AC PC AND BEDTIME  
ADMINISTRATION TIMES:  
REMARKS:  
OTHER PRINT INFO:  
START DATE/TIME: JUN 28, 2024@17:28//  
STOP DATE/TIME: JUN 29, 2024@23:59//  
PROVIDER: [REDACTED]
```

Medication Order

IBUPROFEN 400 TAB Change

Pt Wt on 08/15/2022 352.74 lb (160 kg)

Dosage	Complex	Route	Schedule
400MG		ORAL	ONCE IN CLINIC <input checked="" type="checkbox"/> PRN
400MG	0.0509	ORAL	NOW
800MG	0.1018		NOW IN CLINIC
			ON CALL
			ONCE
			ONCE IN CLINIC
			ONSET OF HA
			012H



Update the IEN That is Included in the Additive Field and Solution Field in Inpatient Pharmacy Orders

Current State:

- If a site has more than one Additive tied to a Pharmacy Orderable Item then the entry with the lowest IEN is included in the finished Inpatient Medication Order.
- These defaulted lower IEN products are not always the intended dispense products.
- Discovered during testing BOP p4 Feature 73205 - Send IV orders to Automated Dispensing Cabinet via BOP interface - as the intended IEN was not always transmitted to the ADC when there was more than one additive (or solution) tied to a pharmacy orderable item.

APSP v7.0 p1035:

- Update Inpatient Medication Order Additive and Solution fields to allow pharmacy users to select the intended Additive or Solution entry (if more than one entry is tied to Pharmacy Orderable Item) when processing Inpatient Medication Orders in Inpatient Order Entry

```
Select Item(s): Next Screen// FN Finish
IV TYPE: PIGGYBACK//

  select one of the following:

      1          CLINDAMYCIN
                  CLINDAMYCIN 600MG/4ML INJ
      2          CLINDAMYCIN 600MG/4ML INJ
                  CLINDAMYCIN 600MG/4ML INJ
      3          CLINDAMYCIN
                  CLINDAMYCIN 600MG/4ML INJ LMA

Choose an Additive: 1
```



Add Clinic Location to IV Label and IV Ward List for IV Orders Placed in Clinic

Current State:

- IV Labels and IV Ward Lists include the patient location when the patient is admitted to an inpatient ward
- IV Labels for non-admitted patients print location “Opt IV” on the label

APSP v7.0 p1035:

- IV orders placed in a Clinic visit will print the clinic name on the IV label
- NOTE: Longer clinic names may cause the IV label print output to split the first line in the IV label into two lines which can result in IV labels not printing correctly
 - Sites can locally adjust their IV label column WIDTH OF LABEL in RPMS in the IV Site Parameter menu
 - Sites that utilize an outside vendor for IV label support should contact their vendor to determine if their IV label parameters require modifications to support longer clinic names



Add Clinic Location to IV Label and IV Ward List for IV Orders Placed in Clinic: Example

IV Label for clinic visit pre APSP p1035:

6795V6796
[46] 123123 **Opt. IV** 04/25/25
DEMO, IMO NEVER ADMITTED NF

CLINDAMYCIN 450 MG
SODIUM CHLORIDE 0.9% 50 ML

Dose due at: 1500
ROUTE: IV PIGGYBACK
INFUSE OVER 30 Minutes

Q6H
0300-0900-1500-2100
RETURN TO IV ROOM IN 24-HOURS
FILLED BY: ___ CHECKED BY: ___
0[1]

IV Label for clinic visit after APSP p1035:

6795V6798
[2] 100205 **BROOKSIDE CLINIC** 04/25/25
DEMO, PATIENT ALLONE NF

CLINDAMYCIN 450 MG
SODIUM CHLORIDE 0.9% 50 ML

Dose due at: 1500
ROUTE: INTRAVENOUS
INFUSE OVER 30 Minutes

Q6H
0300-0900-1500-2100
RETURN TO IV ROOM IN 24-HOURS
FILLED BY: ___ CHECKED BY: ___
1[1]



Add Clinic Location to IV Label and IV Ward List for IV Orders Placed in Clinic: Updating Label Parameter

Updating IV WIDTH OF LABEL parameter in RPMS:

- In RPMS: IHS Core > IV Menu > Supervisor's Menu > Site Parameters
- Select IV ROOM NAME: YOUR IV ROOM NAME
- NAME: MAIN// {ENTER}
- LENGTH OF LABEL: 60// {ENTER}
- WIDTH OF LABEL: 60// ?
- Enter a number between 10 and 100 of maximum characters that may print on a single line of your labels.
- WIDTH OF LABEL: 60// Label width MAY need adjusted to larger number to accommodate longer clinic names

NOTE: After updating Width of Label, exit Site Parameter Menu without modifying other settings.

Send test IV labels to ensure labels print correctly.



Update the Logic for Inpatient Medications for Outpatient (IMO) Order Number of Days Until Stop

Current State:

- Clinic Definition [PSJ CD] in RPMS contains the field NUMBER OF DAYS UNTIL STOP which users assume should define the default stop date for Inpatient Medications for Outpatient (IMO) orders. However, this field does not apply to IMO orders as assumed. Despite setting this field to the intended number of days until stop, IMO orders with a schedule type of CONTINUOUS or PRN have a default stop date of 14 days. This can cause problems for sites as IMO orders may remain in active status longer than necessary. One-time orders behave as expected.

APSP v7.0 p1035:

- Modified NUMBER OF DAYS UNTIL STOP to appropriately apply to Continuous and PRN IMO orders
IHS Core > Unit Dose Medications > Supervisor's Menu > PARameters Edit Menu
Select PARameters Edit Menu Option: **Clinic Definition**
Select CLINIC: **YOUR IMO CLINIC**
NUMBER OF DAYS UNTIL STOP: **YOUR NUMBER OF DAYS UNTIL STOP**



Update the Logic for Inpatient Medications for Outpatient (IMO) Order Number of Days Until Stop: Other Info

NOTE: The NUMBER OF DAYS UNTIL STOP may be impacted by settings outside the Clinic Definition File

- Settings that may impact NUMBER OF DAYS UNTIL STOP may include:
 - Orderable Item DAY (nD) or DOSE (nL) LIMIT
 - IV Additive File NUMBER OF DAYS FOR IV ORDER
 - IV Site Parameters:
 - LVP'S GOOD FOR HOW MANY DAYS
 - HYPERAL GOOD FOR HOW MANY DAYS
 - PB'S GOOD FOR HOW MANY DAYS
 - SYRN'S GOOD FOR HOW MANY DAYS
 - CHEMO'S GOOD FOR HOW MANY DAYS



Modify the Logic for Inpatient Medications for Outpatient (IMO) Order START Date/Time

Current State:

- The default start date/time for Inpatient Medications for Outpatient (IMO) orders is the date/time of the APPOINTMENT for the CLINIC where the orders were placed. For some patients who are in an ambulatory visit for an extended amount of time (such as Day Surgery, Emergency Department, etc.) the start date/time for IMO orders does not align with the actual start date/time of the order and in some cases may be inaccurate by hours or days. This causes a patient medication safety issue and a medication documentation issue for IMO orders for sites.

APSP v7.0 p1035:

- Updates the default start date/time for IMO orders to NOW when pharmacist is processing orders in Inpatient Order Entry [PSJ OE]

PENDING UNIT DOSE (ROUTINE)	Oct 04, 2024 15:50	Page: 1 of 2
JALAPENO, JOLLY	Clinic: EMERGENCY DEPAR	
HRN: 125369		Ht(cm): _____ (_____)
DOB: 03/04/50 (74)	Clinic Date: 10/03/24 19:15	Wt(kg): _____ (_____)
* (1) Orderable Item: CIPROFLOXACIN 500MG U.D. TAB		
Instructions: 500MG		
* (2) Dosage Ordered: 500MG		
Duration: _____		
* (4) Med Route: ORAL PO		
(3) Start: 10/04/24 15:50		
REQUESTED START: 10/04/24 16:00		
(5) Stop: 10/05/24 15:50		
(6) Schedule Type: CONTINUOUS		
* (8) Schedule: UD		
(9) Admin Time: _____		



Allow 3 Refills for Prescriptions with 91 Days Supply

Current State:

- Prescriptions with 91 days supply are limited to only up to 2 refills (91 day initial fill plus 2 refills = 273 day supply)

APSP v7.0 p1035:

- Prescriptions with 91 days supply allow up to 3 refills (91 day initial fill plus 3 refills = 364 day supply)

NOTE: General Parameter BEHORX MAX DAYS SUPPLY controls the max days supply for EHR med orders



Allow 3 Refills for Prescriptions with 91 Days Supply: Example

Dosage	Route	Schedule
1 TABLET Jolessa oral tablet 91 day pack	ORAL	QDAY <input type="checkbox"/> PRN
1 TABLET Jolessa oral tablet 91 day pack	ORAL	Q3H Q48H Q4H Q4M Q5M Q6H Q72H Q8H QAM QDAY

Patient Instructions: _____

Days Supply: 91 Quantity: 91 Refills: 3 Clinical Indication: _____

Chronic Med
 Dispense as Written

Pick Up: Clinic Mail Window Outside Pharmacy - eRx Outside Pharmacy - Print

Priority: ROUTINE



Add a New Prescription Pickup Log Menu to View Documented Prescription Pickup Activity

APSP v7.0 p1034:

- Added Prescription Pickup fields to Patient Prescription Processing to allow users the ability to document prescription pickup by patient or proxy
- **NOTE:** Sites are able to define proxy pickup fields in General Parameter **APSP PICKUP FIELDS PROXY**

APSP v7.0 p1035:

- Adds new menu Prescription Pickup Log in RPMS on PIHS (IHS-Specific Pharmacy Options) menu
 - Allows users to select, view, modify, add or delete prescription pickup information in prescription pickup log
 - If there is more than one pickup or fill documented for a prescription, users have the ability to select specific pickup(s) or fill(s) for modification
 - **NOTE:** Proxy pickup fields may vary based on local **APSP PICKUP FIELDS PROXY** parameter settings



Add a New Prescription Pickup Log Menu to View Documented Prescription Pickup Activity: Example

```

Prescription Pickup Log      Oct 18, 2024 15:29:54      Page: 1 of 1
DEMO,SSEIGHT
PID: XXX-XX-XXXX (HRN: 16547)      Ht(cm): _____ (_____)
DOB: APR 5,1987 (37)              wt(kg): _____ (_____)
SEX: FEMALE
Rx #: 10001496

Item Pickup Date/Time  Disp Type Fill # Person Type ID Number
-----
1    10/15/2024 11:30    ORIGINAL 0      PROXY      AR934576

Enter ?? for more actions >>>
AE Add Entry           RL Refresh List
EE Edit Entry          VS View Pickup
DE Delete Entry       VA View All
Select Action: Quit// EE Edit Entry
Select : (1-1): 1
  
```

```

Edit Pickup Log Entry      Feb 27, 2025 13:08:09      Page: 1 of 1
DEMO,PATIENT ALLFOUR-EIGHT
Rx #: 1000377

(1) Pickup Date/Time: FEB 27, 2025@13:05
    Rx Fill Ref: 0      Dispense Type: ORIGINAL
    Person Type: PROXY
(2) ID Qualifier: PASSPORT ID
(3) ID Jurisdiction: UNITED STATES
(4) ID Number: H914580
** Pickup Person Information **
(5) Relationship: SPOUSE (6) DOB: APR 18, 1975
(7) First Name: TEST FIRSTNAME
    Last Name: TEST LASTNAME
(8) Address 1:
    Address 2:
        city:
        State:
        ZIP:
(9) Phone Number:

Enter ?? for more actions
Select Action: Quit// SE Select Element(s)
Select Field(s) to Edit by number: (1-9): 7
PICKUP PERSON LAST NAME: TEST LASTNAME// EDIT LASTNAME
PICKUP PERSON FIRST NAME: TEST FIRSTNAME// EDIT FIRSTNAME
  
```



Modifications to Prescription Pickup Log

APSP v7.0 p1035:

- Modify existing prescription pickup logic to prevent prescription pickup documentation on: 1) external medications 2) prescriptions that do not have a fill date

Medication Profile May 09, 2024 11:52:26 Page: 1 of 1

DEMO, PATIENT ACFOUR-ZERO <A>

PID: XXX-XX-XXXX (HRN: 112062) Ht (cm): _____ ()

DOB: DEC 16, 1965 (58) Wt (kg): _____ ()

SEX: FEMALE

		ISSUE	LAST	REF	DAY
-----ACTIVE OTHER PHARMACY-----					
X519479	MELOXICAM 15MG TAB	2 A>	05-09-24	05-09	10 2
X519474	SIMVASTATIN 20 MG TABLET	2 A>	05-08-24	05-08	10 2
-----HOLD-----					
3 519477	LISINOPRIL 30MG TAB	5 H>	05-08-24	-	12 5
-----PENDING-----					
4	TRAMADOL HCL 50 MG TABLET	QTY: 90	\$ ISDT: 01-26	REF: 2	
-----Outside Medications-----					

Enter ?? for more actions

PU Patient Record Update NO New Order

PI Patient Information SO Select Order

Select Action: Quit//PK PK

Select Orders by number: (1-4): 1

Unable to document pickup for external prescriptions

Rx #: 519618

(1) *Orderable Item: VALSARTAN TAB

(2) Drug: VALSARTAN 80MG TAB

(3) *Dosage: 80 (MG)

Verb: TAKE

Dispense Units: 1

Noun: TABLET

*Route: ORAL

*Schedule: DAILY

(4) Pat Instructions: FOR HIGH BLOOD PRESSURE

SIG: TAKE ONE (1) TABLET BY MOUTH DAILY FOR HIGH BLOOD PRESSURE

Clinical Indication:

(5) Patient Status: OUTPATIENT

(6) Issue Date: 06/12/24 (7) Fill Date: //

Enter ?? for more actions

DC Discontinue PR (Partial) RL (Release)

ED (Edit) RF (Refill) RN (Renew)

Select Action: Next Screen//PK PK

Unable to document pickup for prescriptions with no fill date.



Update PSRX Node

Current State:

- Reported issue with node of PSRX causing some prescription entries to have values of PRESCRIPTION and 521S as SIGN OR SYMPTOM and INDICATION CODE

APSP v7.0 p1035:

- PSRX node modified to accurately reflect SIGN OR SYMPTON and INDICATION CODE

```
UNITS: MG          NOUN: TABLET
ROUTE: ORAL        SCHEDULE: DAILY
VERB: TAKE
CHRONIC MEDICATION: YES
PCC LINK: ZESTRIL 20 MG TABLET
INDICATION CODE: 521s
BENCHMARK UNIT PRICE OF DRUG: 0.000000
SIGN OR SYMPTOM: PRESCRIPTION
PRIORITY: WAITING
```

```
UNITS: MG          NOUN: TABLET
ROUTE: ORAL        SCHEDULE: DAILY
VERB: TAKE
CHRONIC MEDICATION: YES
PAY STATUS: WILL PROCESS
SIGN OR SYMPTOM: seasonal allergy
BENCHMARK UNIT PRICE OF DRUG: 0.040000
PCC LINK: LORATADINE 10MG TAB
INDICATION CODE: J30.2
```



Update Standard Medication Routes File

- APSP v7.0 p1035:
 - Updates Standard Medication Routes File 51.23 to incorporate changes released by the VA
 - Background update – should not be noticed by most pharmacy end users

NUMBER: 53 EFFECTIVE DATE/TIME: JUL 24, 2015@15:59:01 VUID: 5100846	NAME: TRANSLINGUAL MASTER ENTRY FOR VUID: YES	FIRST DATABANK MED ROUTE: TRANSLINGUAL STATUS: ACTIVE
NUMBER: 54 EFFECTIVE DATE/TIME: JUL 24, 2015@15:59:01 VUID: 5199099	NAME: INTRAVARICEAL MASTER ENTRY FOR VUID: YES	FIRST DATABANK MED ROUTE: INTRAVARICEAL STATUS: ACTIVE
NUMBER: 55 EFFECTIVE DATE/TIME: JUL 24, 2015@15:59:01 VUID: 5199100	NAME: SUBMUCOSAL MASTER ENTRY FOR VUID: YES	FIRST DATABANK MED ROUTE: SUBMUCOSAL STATUS: ACTIVE
NUMBER: 56 EFFECTIVE DATE/TIME: JUL 13, 2017@10:13:47 VUID: 5256350	NAME: EXTRACORPOREAL MASTER ENTRY FOR VUID: YES	FIRST DATABANK MED ROUTE: EXTRACORPOREAL STATUS: ACTIVE
NUMBER: 57 EFFECTIVE DATE/TIME: APR 02, 2018@12:37:18 VUID: 5298125	NAME: SUBDERMAL MASTER ENTRY FOR VUID: YES	FIRST DATABANK MED ROUTE: SUBDERMAL STATUS: ACTIVE
NUMBER: 58 EFFECTIVE DATE/TIME: OCT 07, 2021@10:27:12 VUID: 5339692	NAME: INTRACAMERAL MASTER ENTRY FOR VUID: YES	FIRST DATABANK MED ROUTE: INTRACAMERAL STATUS: ACTIVE



eRx - New Provider SPI Report

APSP v7.0 p1035:

- Add Provider SPI Report to RPMS to allow users to generate a list of providers with an SPI number
- Report can be generated to include Service Levels
- Accessible by users that hold RPMS secondary menu for SPI Service Level Menu

```

select IHS Core option: SPI SERVICE LEVEL MENU

VIEW  View SPI data for provider
SPI   Request/Update SPI Number for a Provider.
SITE  Set Service Level for site
RPT   Provider SPI Report

select SPI Service Level Menu option: RPT  Provider SPI Report

Provider SPI report
would you like to include service Levels? No//  NO
DEVICE: HOME//  virtual

Provider SPI Report          10/03/2024 10:42          Page: 1
Report Criteria: Providers with SPI number
Include Service Levels?: No
-----
Provider          SPI
BISHOP,BRADLEY M  4880203850004
COOK,SEAN         6610803333003
DEMO,PROVIDER MN  6973930715005
EGGERS,TRISTA    1020304050678
EPCS,ADMIN USER  7532478963005
EPCS,PROVIDER EPCSCP 1141645313003
  
```

```

Provider SPI Report          10/31/2024 16:12          Page: 1
Report Criteria: Providers with SPI number
Include Service Levels?: Yes
-----
Provider          SPI          Service Level
BISHOP,BRADLEY M  4880203850004  New, Refill, Change,
                  Cancel,
                  ControlledSubstance,
                  RxFill
COOK,SEAN         6610803333003  New, Refill, Change,
                  Cancel, RxFill
DEMO,PROVIDER MN  6973930715005  New, Refill, Change,
                  Cancel,
                  ControlledSubstance,
                  RxFill, MedHistory
DONSON,ALANA      6148879186021
EGGERS,TRISTA    1020304050678
EPCS,ADMIN USER  7532478963005  New, Refill, Change,
                  Cancel,
                  ControlledSubstance,
                  RxFill

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



eRx - Modify APSP SS DIRECTORY UPDATE Option to Inactivate Old Pharmacy Entries in the Surescripts Directory

Current State:

- Surescripts pharmacy Directory Download contains inactive pharmacy entries for only a fixed period of time with an updated active end date, then the inactive pharmacies are removed from the Directory Download
- Sites whose directory update is not functioning properly when the pharmacy inactivation occurs will incorrectly retain these pharmacies as active, even after the directory update is functioning

APSP v7.0 p1035:

- Modify APSP SS DIRECTORY UPDATE to compare active entries in the APSP PHARMACY LIST file to entries in the incoming Surescripts Directory Download file.
- If entries in RPMS do NOT exist in the Surescripts file and have a future ACTIVE END TIME, inactivate them by changing the ACTIVE END TIME to 1/1/2000@23:59:59. If ACTIVE END DATE in RPMS is in the past, do not change.



eRx - Modify APSP Routine for SS Queue Component in EHR to Change Text Color When Selected Patient Has Unmapped Requests

Current State:

- SS Queue component text color changes when the selected patient in EHR has any requests in the APSP SURESCRIPTS REQUESTS file, even if there are no unmapped requests for the patient.

APSP v7.0 p1035:

- Modify APSPESG QUEVWCNT rpc call to only flag patients with APSP SURESCRIPTS REQUESTS entries with status of 4 MAPPING - INCOMPLETE and/or 5 TO BE MAPPED



eRx - Modify APSP SS DIRECTORY UPDATE Routine to Convert "us" Country Code to "US" and Allow Import of the Entry

Current State:

- APSP SS DIRECTORY UPDATE only allows import of a pharmacy entry with country code exactly "US" so any entries from Surescripts with country code "us" are not imported as "non-US address"

APSP v7.0 p1035:

- Modify APSP SS DIRECTORY UPDATE to convert "us" country code to "US" and allow import of the pharmacy entry into the local APSP PHARMACY LIST



Force a Value for Undefined Variable in QUECHECK+7^APSPESG3

APSP v7.0 p1035:

- Repairs an error that was reported during APSP p1035 testing
- Should have no notable impact to RPMS Pharmacy end users



BOP – Automated Dispensing Interface Overview

Terminology:

- Automated Dispensing Cabinets = ADC
 - Examples: Omnicell, Pyxis
 - Utilized for storing and dispensing medications in hospital and clinic settings
- BOP = IHS interface that transmits information from RPMS to ADCs via HL7 messaging
- Profiling = process of linking ADC to a hospital information system (HIS) or electronic health record (EHR), allowing a pharmacist to review and verify medication orders before a nurse can dispense them from the cabinet



BOP – Automated Dispensing Interface v1.0 p4 Features

- Add Inpatient Medications for Outpatient (IMO) order profiling capability to ADCs
- Send IV orders via BOP interface to Automated Dispensing Cabinets in same manner as Unit Dose Medication orders
- Repair error in field 12 within an inpatient medication order in RPMS INPATIENT ORDER ENTRY that causes duplicate med orders when field is edited



BOP v1.0 p4 – Profile IMO Orders

Current state:

- Only unit dose medication orders for admitted inpatients profile from the inpatient pharmacy package to automated dispensing cabinets
- Many sites have implemented the use of Inpatient Medication Orders for Outpatient (IMO) in Emergency Department or other clinic settings
- For patient safety purposes sites would like unit dose orders to profile to ADCs in same manner as unit dose medications for patients admitted to an inpatient setting

BOP v1.0 p4:

- Adds Inpatient Medications for Outpatient (IMO) order profiling capability to ADCs, supporting profiling of IMO orders to ADCs that are profile-enabled



BOP v1.0 p4 – Profile IMO Orders Site Configuration

BOP IMO order profiling dependent on:

- RPMS BOP Site Parameter configuration:
 - BOP Site Parameter INPATIENT MEDS FOR OUTPATIENT must be set to YES
- Utilization of IMO medication orders
 - Specific process for implementing IMO – see IHS RPMS Training Page
- ADCs capable of profiling
 - Medication order cabinet profiling is typically additional cost in ADC contract
 - Most sites have included cabinet profiling at INPATIENT cabinets in ADC contract
 - Site/Areas are responsible for contacting their respective ADC vendor to determine ambulatory profiling capability
 - OIT is not involved with ADC contracting and does not endorse any specific ADC vendor



BOP v1.0 p4 – Profile IV Orders

Current state:

- Only unit dose medication orders for admitted inpatients profile from the RPMS inpatient pharmacy package to automated dispensing cabinets
- For patient safety purposes sites would like IV orders to profile to Automated Dispensing Cabinets

BOP v1.0 p4:

- Adds IV order profiling capability to ADCs, supporting profiling of IV medication orders to ADCs that are profile-enabled



BOP v1.0 p4 – Profile IMO Orders Site Configuration (2)

BOP IV order profiling dependent on:

- RPMS BOP Site Parameter configuration:
 - BOP Site Parameter SEND IV ORDERS must be set to YESADCs capable of profiling
 - Medication order cabinet profiling is typically additional cost in ADC contract
 - Most sites have included cabinet profiling at INPATIENT cabinets in ADC contract
 - Site/Areas are responsible for contacting their respective ADC vendor to determine ambulatory profiling capability
 - OIT is not involved with ADC contracting and does not endorse any specific ADC vendor



BOP v1.0 p4 – BOP Dispense Drug Discontinue Error

- BOP v1.0 p4:
 - Repairs error in field 12 within an inpatient medication order in RPMS INPATIENT ORDER ENTRY that causes duplicate med orders when field is edited



Questions & Discussion



Key Contact and Resource Information

Contact	Purpose	Links
RPMS EHR On-Line Help Files	End-user training/support	Inside RPMS EHR under “Help”
RPMS Feedback	Enhancement requests	https://www.ihs.gov/RPMS/index.cfm?module=feedback&option=add&wquery=1
Listserv (EHR)	Share experiences and questions with other sites	https://www.ihs.gov/listserv/
Tiered Support	Set up/IIS support/Issues/General Support	Elevate through appropriate tiered support structure. 1. Local IT or Informaticist 2. Area IT or Informaticist 3. IT Service Desk- User Support (IHS) ITSupport@ihs.gov or directly via ServiceNow Self Service Portal. At https://www.ihs.gov/itsupport/
Resource and Patient Management (RPMS) Clinical Applications	User Manual, Technical Manual, Install Manual	https://www.ihs.gov/rpms/index.cfm?module=Applications&option=View&AC_ID=0
RPMS EHR Training Website	End-user training/support	https://www.ihs.gov/rpms/training/
RPMS HER Training Recording Repository	End-user training/support	https://ihs.cosocloud.com/rpms-tr/event/login.html