

THE INDIAN HEALTH SERVICE

Pharmacy Patches, Taskman Tasks, and Keys



Superior Health Information Management
Now and for the Future

Learning Objectives

- Explain the need to maintain currency of a computer program and to have updates and bug fixes to assure proper function.
- Discuss a process of applying updates and how to identify patches that affect Pharmacy.
- Understand computer operating system task processes and explain how to schedule background jobs for pharmacy programs.
- Describe need for system security and how use of menus assures data safety and integrity.
- List menu options and keys needed by various staff.
- Recommend a local menu structure to assist in pharmacy efficiency.
- Describe a mechanism to identify current patch levels.
- Describe importance of collaboration with IT staff for patch installations.
- Identify pharmacy functions most used by staff pharmacists.

Pharmacy Patches

- Pharmacy patches are updates to installed software.
- Patches provide new functionality and/or fix program bugs.
- Software is developed by VA and adapted by OIT to work for RPMS:
 - Most VA software cannot be loaded without modification.
 - Causes a time delay and introduces possibility of bugs.

Pharmacy Patches (cont.)

RPMS is a “suite of applications” with many packages interdependent with each other:

- Some package patches require patches to other packages
- The latest EHR patch requires the latest Pharmacy and PCC patches to be installed
- Pharmacy programmers cannot simply make unilateral changes because they can break something in another package

Pharmacy Patches (cont.)

Outpatient Pharmacy has an option that can be used to determine the patch level of pharmacy patches (Namespace in brackets for reference only)

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IHS-Specific Pharmacy Option: LPAT   Pharmacy Last Patch Lister
                                Pharmacy Related Packages
                                Last Patch Lister
Package                           Version      Last Patch   Date Installed
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[PSN] NATIONAL DRUG FILE           4.0         1060         06/20/2013@13:10:14
[APSP] IHS PHARMACY MODIFICATIONS  7.0         1015         06/20/2013@17:08:17
[GMRA] ADVERSE REACTION TRACKING   4.0         1006         06/20/2013@17:08:07
[ABSP] PHARMACY POINT OF SALE      1.0         44           11/15/2012@13:44:08
[BOP] AUTOMATED DISPENSING INTERFACE 1.0         3            02/25/2008
[APSS] RX OUTPATIENT AUTOMATION INTERFACE 1.0         2            11/20/2008
BEX AUDIOCARE TELEPHONE REFILL      1.0         5            05/10/2012@13:13:35
[BPDM] CONTROLLED DRUG EXPORT SYSTEM 2.0         1            05/01/2013@17:55:45
The last EHR installation was EHR*1.1*11 on 06/20/2013@17:08:24.
Last Benchmark Price monthly update occurred on 05/31/2013
```

Pharmacy Patches (cont.)

List the latest patches by following this link:

- http://www.ihs.gov/RPMS/index.cfm?module=Applications&option=View&AC_ID=0
- Click “Latest Patch Listing”

IHS RPMS APPLICATION PATCHES MOST RECENT PATCHES ONLY

As of June 27, 2013

PACKAGE	NAMESPACE	UNIX FILE NAME	Date Released
ABM	Third Party Billing	abm_0260.10k	11/08/12
		abm_0260.10n	11/08/12
		abm_0260.10o.pdf	11/08/12
ABSP	Pharmacy Point of Sale	absp0100.44k	11/15/12
		absp0100.44n	11/15/12

Pharmacy Related TaskMan Jobs

- TaskMan is a MUMPS Kernel function that keeps tasks running in the background.
- Tasks can be scheduled with TaskMan to be run at different times, or to be constantly running.
- Pharmacy has background tasks that need to be run periodically to perform housekeeping tasks and keep things running smoothly.
- These tasks can be started through the pharmacy package (no site manager needed).

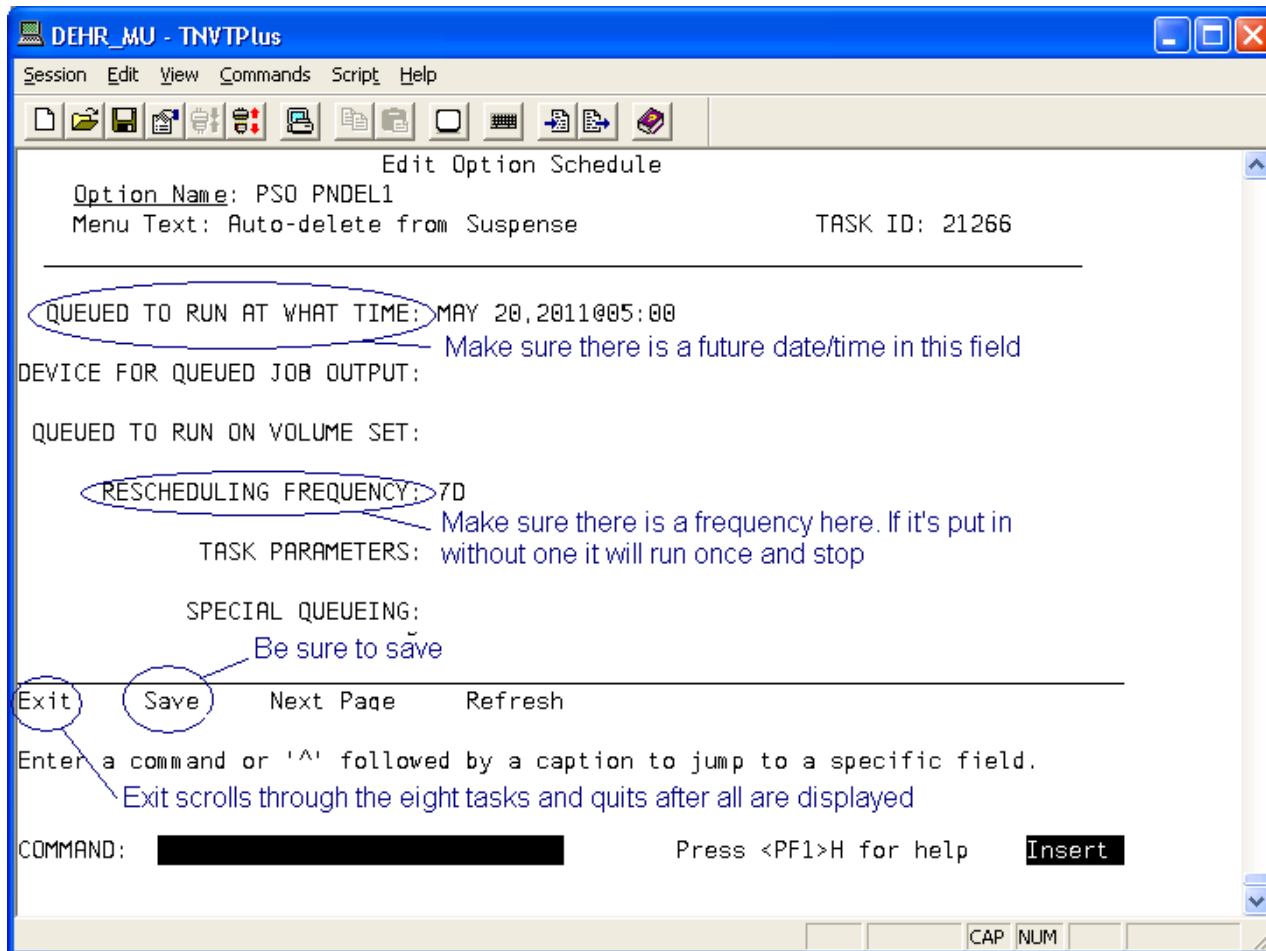
TaskMan (cont.)

- Starting up (or checking status) of the tasks
 - Outpatient Pharmacy Manager menu
 - MAIN Maintenance (Outpatient Pharmacy) ...
 - RXQ Queue Background Jobs
 - Check the chart

Outpatient Pharmacy Tasks:

APSA AWP AUTO QUEUE	Daily
APSP CSM REPORT TASK	Daily (if desired)
BPDM QUEUE PDM EXPORT	Daily (if exporting to PDMP)
PSO AMIS COMPILE	Daily
PSO COSTDAY NIGHTJOB	Daily
PSO EXPIRE PRESCRIPTIONS	Daily
PSO MGMT NIGHTLY COMPILE	Daily
PSO AUTOCANCEL	Nightly
PSO PNDEL1	Monthly
PSO TPB HL7 EXTRACT	Nightly

TaskMan (cont.)

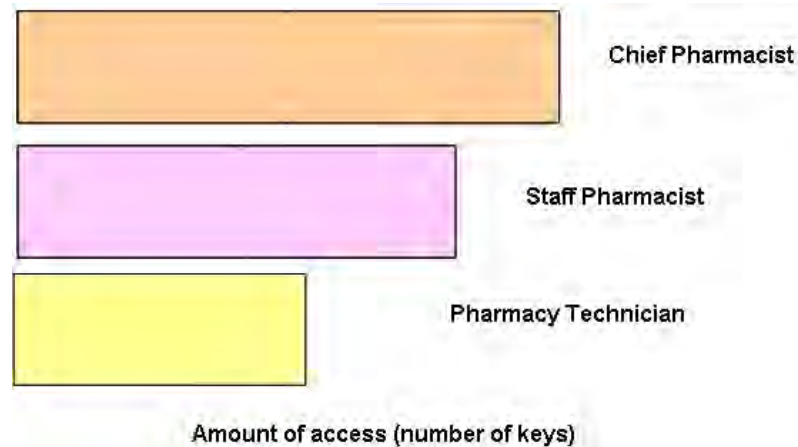


Pharmacy Keys

- RPMS is a huge suite of applications that can manage large numbers of users with different roles and access levels.
- Access is controlled through keys.

Key Assignments: Rationale

- Key assignments are decided by various means including:
 - Role
 - License
 - Need
 - Training
 - Experience
 - Trust



Key Assignments: Example

- Screenshot example of menus locked with keys.



Questions