



# **PHARMACY BENEFITS MANAGEMENT (PBM)**

## **Installation Guide**

Version 3.0

October 1998

Department of Veterans Affairs  
**VISTA** Technical Services

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## Introduction

Pharmacy Benefits Management (PBM) Version 3.0 is a new enhanced version for Drug and Pharmaceutical Products Management (D&PPM) Version 2.0.

The software extracts medication dispensing data elements from the Outpatient Pharmacy, Inpatient Medications IV and Unit Dose, Automatic Replenishment/Ward Stock, Controlled Substance modules, Procurement information from Drug Accountability, Integrated Funds Control, Accounting and Procurement (IFCAP), and a limited amount of Laboratory data on a monthly basis.

The extracted data is electronically exported via MailMan to the Pharmacy Benefits Management section at Hines Department of Veterans Affairs Medical Center (VAMC). MailMan messages are downloaded to text files onto the PBM network. These electronic messages are then passed through a translation process which pulls text files into a database format and is checked for quality assurance and converts all local drug names to a common drug name and all local dispensing units to a common dispensing unit if possible. After translation, the information is added to the national database.

Through an option placed on the pharmacy supervisor menu the software makes data extraction reports available at local VAMCs and allows local management to use this data to project local drug usage and identify potential drug accountability problem areas. The PBM section is able to provide information on Local Facility, Veterans Integrated Service Network (VISN), and National product use on monthly, quarterly, and annual intervals.

Pharmacy Benefits Management Version 3.0 extracts additional data elements and modifies current extracts to take advantage of enhancements made to the other Pharmacy modules since the release of the current version (D&PPM V. 2.0). Current message formats and output reports have been modified to reflect the changes.

## Pre Installation

It is recommended that this software be loaded into a test account before going into production.

It is *very important* to read these instructions completely before installing this software! Read these instructions through at least once before attempting to install.

The Pharmacy Benefits Management V. 3.0 relies (minimum) on the following external packages. This software is not included in this package and must be installed before this version of PBM is completely functional.

<b><u>Package</u></b>	<b><u>Minimum Version Needed</u></b>
VA FileMan	21.0
Kernel	8.0
MailMan	7.1
Patient Information Management System (PIMS)	5.3
Outpatient Pharmacy	6.0
Automatic Replenishment/Ward Stock	2.2
Inpatient Medications	4.5
Controlled Substances	2.0
Integrated Funds Distribution, Control Point	
Activity, Accounting and Procurement (IFCAP)	5.0
Laboratory	5.2
Pharmacy Data Management	1.0
Drug Accountability	2.0
National Drug File	3.18

Pharmacy Benefits Management V. 3.0 extracts additional data if the following software packages are installed and implemented.

<b><u>Package</u></b>	<b><u>Version</u></b>
Outpatient Pharmacy	7.0
Controlled Substances	3.0
Drug Accountability	3.0
National Drug File	4.0 <i>[to be released at the end of October 1998]</i>

The data is extracted from the above mentioned packages on a monthly basis and transmitted to the National PBM database at Hines.

## Routines

The following is a list of routines you will see for PBM when you load the new routine set. The first line of each routine contains a brief description of the general function of the routine. Use the Kernel option XU FIRST LINE PRINT (*First Line Routine Print*) to print a list of just the first line of each PSU\* routine.

PSUAR0	PSUAR1	PSUAR2	PSUAR3	PSUAR4	PSUAR5	PSUCP
PSUCP1	PSUCP2	PSUCP3	PSUCS0	PSUCS1	PSUCS17	PSUCS2
PSUCS3	PSUCS4	PSUCS5	PSUCSR0	PSUCSR1	PSUDBQUE	PSUENV
PSUIV0	PSUIV1	PSUIV2	PSUIV3	PSUIV4	PSUIV5	PSULR0
PSULR1	PSULR2	PSULR3	PSULR4	PSULR5	PSULR6	PSUOP0
PSUOP1	PSUOP2	PSUOP3	PSUOP4	PSUOP5	PSUOP6	PSUPR0
PSUPR1	PSUPR2	PSUPR3	PSUPR4	PSUPR5	PSUPR6	PSUPRE
PSUTL	PSUTL1	PSUUD0	PSUUD1	PSUUD2	PSUUD3	PSUUD4
PSUUD5						

57 routines

## Installation

The environment check routine will check to make sure that the site has the following software and patches installed.

- ◆ Pharmacy Data Management V. 1.0
- ◆ National Drug File V. 3.18
- ◆ PSS\*1\*13 – Creates the PSU PBM JOB field (#90) in the PHARMACY SYSTEM file (#59.7) and creates a “AUDS” cross reference on the START DATE/TIME field (#10) in the unit dose subfile of the PHARMACY PATIENT file (#55).
- ◆ PSJ\*5\*13 or PSJ\*4.5\*61 – (depending on which version is installed at site). This patch will ensure that the cross reference is set when new unit dose orders are created and will re-index the “AUDS” cross reference for existing orders.
- ◆ PSO\*7\*11 – (only for sites running version 7.0 of Outpatient Pharmacy). This patch makes changes to a supported reference routine PSOORDER which is used by Pharmacy Benefits Management V. 3.0 software to extract prescription data.



If any of the above is not installed, installation of the build will be aborted.

All references to D&PPM and Drug and Pharmaceutical Products Management will be changed to PBM and Pharmacy Benefits Management respectively. The ONLY EXCEPTION to this is the domain to which the extracted data is sent. The domain name will remain DPPM.MED.VA.GOV.

The name in the PACKAGE file (#9.4) will be changed from D&PPM to PHARMACY BENEFITS MANAGEMENT.

Please delete all PSU\* routines before loading the new version. It is recommended that the site transmit the previous month's data to the DPPM.MED.VA.GOV domain at Hines before installing Version 3.0.

Installation time: 3-5 minutes. Check time

## Installation Example

### D ^XUP

Setting up programmer environment  
Access Code:

Terminal Type set to: C-VT320

Select OPTION NAME: XPD MAIN Kernel Installation & Distribution System

Edits and Distribution ...  
Utilities ...  
KIDS Installation ...

Select Kernel Installation & Distribution System Option: INstallation

- 1 Load a Distribution
- 2 Verify Checksums in Transport Global
- 3 Print Transport Global
- 4 Compare Transport Global to Current System
- 5 Backup a Transport Global
- 6 Install Package(s)  
Restart Install of Package(s)  
Unload a Distribution

Select Installation Option: 1 Load a Distribution  
Enter a Host File: PBM3\_0.KID;1

KIDS Distribution saved on Oct 15, 1998@10:56:51  
Comment: PHARMACY BENEFITS MANAGEMENT 3.0 NATIONAL RELEASE

This Distribution contains Transport Globals for the following Package(s):  
PBM 3.0

Want to Continue with Load? YES// <RET>  
Loading Distribution...

Want to RUN the Environment Check Routine? YES// <RET>  
PBM 3.0

Will first run the Environment Check Routine, PSUENV

Use INSTALL NAME: PBM 3.0 to install this Distribution.

- 1 Load a Distribution
- 2 Verify Checksums in Transport Global
- 3 Print Transport Global
- 4 Compare Transport Global to Current System
- 5 Backup a Transport Global
- 6 Install Package(s)  
Restart Install of Package(s)  
Unload a Distribution

Select Installation Option: INSTALL Package(s)

Select INSTALL NAME: PBM 3.0 Loaded from Distribution 10/15/98@11:37:44

=> PHARMACY BENEFITS MANAGMENT 3.0 NATIONAL RELEASE ;Created on Oct 15,

This Distribution was loaded on Oct 15, 1998@11:37:44 with header of  
PHARMACY BENEFITS MANAGEMENT 3.0 NATIONAL RELEASE;;Created on Oct 15,1998@10:5:51

It consisted of the following Install(s):  
PBM 3.0

Will first run the Environment Check Routine, PSUENV

Install Questions for PBM 3.0

Want KIDS to Rebuild Menu Trees Upon Completion of Install? YES// NO

Want to DISABLE Scheduled Options, Menu Options, and Protocols? YES// NO [*Answer NO to this prompt.*]

Enter the Device you want to print the Install messages.  
You can queue the install by enter a 'Q' at the device prompt.  
Enter a '^' to abort the install.

DEVICE: [*Select Device*]

Install Started for PBM 3.0 :  
Oct 15, 1998@11:38:23

Installing Routines:  
Oct 15, 1998@11:38:25

Running Pre-Install Routine: ^PSUPRE

Installing PACKAGE COMPONENTS:

Installing OPTION..  
Oct 15, 1998@11:38:26

Updating Routine file..

Updating KIDS files..

PBM 3.0 Installed.  
Oct 15, [1998@11:38:28](mailto:1998@11:38:28)

Install Message sent #3526149

Install Completed

## Post Installation

After installation, sites should retransmit the previous month's data using Version 3 to the DPPM.MED.VA.GOV domain at Hines. Sites need to make sure that the PSU PBM AUTO is scheduled correctly for next month's transmission.

The two routines PSUENV AND PSUPRE can be deleted after installation is complete.

### Implementation Requirements

After the KIDS installation has completed, appropriate pharmacy and Information Resources Management (IRM) personnel need to be added to the PSU PBM mail group. It is recommended that the Laboratory Information Manager (LIM) at each facility be added to the mail group to monitor data extracted from the Laboratory files.



It is recommended that you limit the members of the PSU PBM mail group due to the length and number of MailMan messages generated.

Schedule the PSU PBM AUTO option to be executed on a monthly basis at a time when there will be the least amount of activity on the system. Please schedule the PSU PBM AUTO option to run after the PSGW UPDATE AMIS STATS option has been executed.

For the remaining packages from which PBM extracts data, no statistical compilation options need to be executed before data extraction can be accomplished.

The DPPM.MED.VA.GOV domain needs to exist at each facility for transmission.

## Options

A change has been made in the option names to reflect the software name change.

- PSU DPPM AUTO is now PSU PBM AUTO [*Automatic Pharmacy Statistics*]
- PSU DPPM MANUAL is now PSU PBM MANUAL [*Manual Pharmacy Statistics*]

Assign PSU PBM MANUAL [*Manual Pharmacy Statistics*] to the Pharmacy Supervisors menu.

### ***New Option***

A new option PSU PBM JOB CHECK [Pharmacy Background Job Check] has been created. This option will check to see if the monthly *Automatic Pharmacy Statistics* option ran to completion. A MailMan message will be sent to the local PSU PBM mail group and to the National PBM group (DPPM.MED.VA.GOV domain) at Hines if the report has not completed in 24 hours. Population of the PSU PBM JOB field (#90) in the PHARMACY SYSTEM file (#59.7) with date/time verifies completion. This option is scheduled automatically by the PSU PBM AUTO option and normally does not need user intervention. In case of computer outage, it could be run manually.

### **New Field**

A new Field (#90) PSU PBM JOB has been added to the PHARMACY SYSTEM file (#59.7). Responsibility for this file resides with the Pharmacy Data Management (PDM) software package.

### **System Configuration**

There are no site-specific parameters associated with PBM.

### **Resources Requirements**

No unique resource requirements needed.

### **Journaling Globals**

There are no globals to journal.

### **Security Keys**

There are no security keys associated with this package.

## Files

The PBM software does not have any files associated with it. The software extracts data from the following files:

<u>File</u>	<u>Number</u>
PHARMACY PATIENT IV SUBFILE	55.01
IV ADDITIVES FILE	52.6
IV SOLUTION FILE	52.7
PHARMACY PATIENT UD SUBFILE	55.06
AR/WS STATS FILE	58.5
PRESCRIPTION	52
PROCUREMENT & ACCOUNTING TRANSACTIONS	442
GENERIC INVENTORY	445
UNIT OF ISSUE	420.5
DRUG ACCOUNTABILITY ORDER	58.811
DRUG ACCOUNTABILITY TRANSACTION	58.81
LABORATORY TEST	60
LAB DATA	63
NEW PERSON	200
PROVIDER CLASS	7
SERVICE/SECTION	49
PERSON CLASS	8932.1
RX PATIENT STATUS	53
OUTPATIENT SITE	59
MEDICAL CENTER DIVISION	40.8
VA PRODUCT FILE <i>[Only if NDF V. 4.0 is installed.]</i>	50.68

The data is extracted from the above mentioned files on a monthly basis and transmitted to the National PBM database at Hines VAMC.

### Technical Assistance

If you experience problems of a technical nature with this software package, you are encouraged to contact the National **VISTA** Support HELP DESK.