INDIAN HEALTH SERVICE

RESOURCE AND PATIENT MANAGEMENT SYSTEM
RPMS ADP SYSTEMS MANUAL

IHS RPMS Dictionaries (Patient) (AUPN)

Installation Guide and Release Notes

March 1999
Version 99.1

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Preface

This manual provides the site manager and the Area ISC the tools needed to install the various components of Indian Health Service (IHS) RPMS Dictionaries (Patient) V. 99.1 software. This manual contains only the information for what to do while the users are off the system and the installation process in going on. Instructions for setting package parameters, making site-specific changes, and other post-installation set-up tasks are given in the IHS RPMS Dictionaries (Patient) Technical Manual and the IHS RPMS Dictionaries (Patient) User Manual.

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1.0   INSTALLATION INSTRUCTIONS

PREFIX: AUPN
CURRENT VERSION: 99.1

********** **NOTE** ****************************** **NOTE** ***************

READ ENTIRE CHAPTER PRIOR TO ATTEMPTING ANY INSTALLATION!!!

********** **NOTE** ****************************** **NOTE** ***************

1.1   GENERAL INFORMATION

a) It is recommended that the terminal output of this install be captured on an auxport printer.

b) It is recommended that the entire installation guide be read before doing this install.

c) The PCC Data Entry package and this package are distributed together. The PCC Data Entry package should be installed immediately after this install.

1.2   CONTENTS OF DISTRIBUTION

1) aupn9910.r – Routines and inits for the AUPN package

2) aup19910.r – Supplemental inits for sites running MAS 5.0

3) aupn991i.pdf - Installation Guide

4) aupn991t.pdf - Technical Manual

1.3   REQUIREMENTS

FileMan V. 21 or higher.
Kernel, V. 8 or higher.
If the IHS Third Party Billing Software is being used, V. 2.0 must be
 running.
AUT V. 98.1 PLUS patch 1

1.4   INSTALLATION INSTRUCTIONS

All users should be off the system during this install. The IHS patient
 file and all AUPN dictionaries will be deleted and reinstalled during this
 process.

Save (^%RS) off all routines in the AUPN namespace.

Delete (^%RDEL) all routines in the AUPN namespace.

Before doing the installation, make sure that your DUZ variable is set
 and that the DUZ(0) variable is set to "@". To do this, drop into
 programmer mode. D ^XUP and enter the ACCESS CODE; then just
 press return back to the programmer prompt, and type D Q^DI.

Restore Routines from file aupn9910.r

D ^AUPNINIT (answer "Yes" to all questions)
A Post init routine will run. It will do the following:
    - move the .07 field of V Diagnostic Procedure to 1208

            - move the .09 field of V Lab to 1202
            - reindex the AA cross reference on V CPT
This post init will take several hours to run, depending on how many V
 Lab and V Medication entries there are. The opportunity to queue the

If V. 5.0 of MAS (Admission, Discharge, and Transfer (ADT) and Scheduling) is running, the following MUST NOW be done:
>   Restore the routines from file aup19910.r
>   D ^AUP1INIT

NOW PROCEED TO INSTALL THE APCD (PCC DATA ENTRY) V. 2.0 package.

1.5   CONTACT INFORMATION

If there are any questions or comments regarding this package, please contact:

>   Lori Butcher
>   Cimarron Medical Informatics
>   (520) 577-2146
>   BUTCHER,LORI on IHS Mailman
>   Butcherla@aol.com

2.0   SAMPLE INSTALL SESSION

D ^%RS

MSM - Routine Save Utility
12-Oct-98 10:12 AM

Enter output device <HFS>: Host File Server
File Name >: AUPNOLD.R
Enter size of save medium (if applicable):
Enter comment for dump header: SAVE OF OLD AUPN ROUTINES 10/12/98
BEFORE UPGRADE

Routine selector: AUPN*

<<ROUTINE NAMES WILL BE DISPLAYED ON THE SCREEN>>>

Done.
[DEV,DEV]>D ^% RDEL

MSM - Routine Delete Utility
12-OCT-98 10:13 AM

Routine selector: AUPN*

<<<ROUTINE NAMES WILL BE DISPLAYED ON THE SCREEN>>>

[DEV,DEV]>D ^%RR

MSM - Routine Restore Utility

Enter input device <HFS>: Host File Server
File Name >: aupn9910.r
Routine(s) saved at 10:12 AM 12-OCT-98
Header comment is: AUPN PACKAGE VERSION 99.1T5

Selective restore? (allows rename) <N>: **NO**
Restoring...

<<<ROUTINE NAMES WILL BE DISPLAYED ON THE SCREEN>>>

XXX Routines restored.

[DEV,DEV]>D ^XUP

Setting up programmer environment
Access Code:

Terminal Type set to: C-VT300

You have 83 new messages.
Select OPTION NAME:

[DEV,DEV]>D Q^DI
Select Option:

|DEV,DEV|>D ^AUPNINIT

This version (#99.1T5) of 'AUPNINIT' was created on 12-OCT-98
        (at CMI ISD, by VA FileMan V.21.0)

I HAVE TO RUN AN ENVIRONMENT CHECK ROUTINE.

                Hello, LORI ANN BUTCHER
                Checking Environment....
                FileMan OK...
                Kernel OK...
I AM GOING TO SET UP THE FOLLOWING FILES:

  9000001   PATIENT
Note: You already have the 'PATIENT' File.

  9000003   MEDICARE ELIGIBLE
Note: You already have the 'MEDICARE ELIGIBLE' File.

  9000003.01MEDICARE CLAIMS
Note: You already have the 'MEDICARE CLAIMS' File.

  9000003.1 POLICY HOLDER
Note: You already have the 'POLICY HOLDER' File.

  9000004   MEDICAID ELIGIBLE
Note: You already have the 'MEDICAID ELIGIBLE' File.

  9000004.01MEDICAID CLAIMS
Note: You already have the 'MEDICAID CLAIMS' File.

9000005   RAILROAD ELIGIBLE
Note: You already have the 'RAILROAD ELIGIBLE' File.

9000005.01RAILROAD CLAIMS
Note: You already have the 'RAILROAD CLAIMS' File.

9000006   PRIVATE INSURANCE ELIGIBLE
Note: You already have the 'PRIVATE INSURANCE ELIGIBLE' File.

9000006.01PRIVATE INSURANCE CLAIMS
Note: You already have the 'PRIVATE INSURANCE CLAIMS' File.

9000007   *SCHEDULED ENCOUNTER
Note: You already have the 'SCHEDULED ENCOUNTER' File.

9000008   *SURVEILLANCE
Note: You already have the 'SURVEILLANCE' File.

9000009   *CLINICAL REMINDER
Note: You already have the 'CLINICAL REMINDER' File.

9000010   VISIT
Note: You already have the 'VISIT' File.

9000010.01V MEASUREMENT
Note: You already have the 'V MEASUREMENT' File.

9000010.02V HOSPITALIZATION
Note: You already have the 'V HOSPITALIZATION' File.

9000010.03V CHS
Note: You already have the 'V CHS' File.

9000010.04V EYE GLASS
Note: You already have the 'V EYE GLASS' File.

9000010.05V DENTAL
Note: You already have the 'V DENTAL' File.

9000010.06V PROVIDER
Note: You already have the 'V PROVIDER' File.

9000010.07V POV
Note: You already have the 'V POV' File.

9000010.08V PROCEDURE
Note: You already have the 'V PROCEDURE' File.

9000010.09V LAB
Note: You already have the 'V LAB' File.

9000010.11V IMMUNIZATION
Note: You already have the 'V IMMUNIZATION' File.

9000010.12V SKIN TEST
Note: You already have the 'V SKIN TEST' File.

9000010.13V EXAM
Note: You already have the 'V EXAM' File.

9000010.14V MEDICATION
Note: You already have the 'V MEDICATION' File.

9000010.15V TREATMENT
Note: You already have the 'V TREATMENT' File.

9000010.16V PATIENT ED
Note: You already have the 'V PATIENT ED' File.

9000010.17V PHYSICAL THERAPY
Note: You already have the 'V PHYSICAL THERAPY' File.

9000010.18V CPT
Note: You already have the 'V CPT' File.

9000010.19V ACTIVITY TIME
Note: You already have the 'V ACTIVITY TIME' File.

9000010.21V DIAGNOSTIC PROCEDURE RESULT
Note: You already have the 'V DIAGNOSTIC PROCEDURE RESULT' File.

9000010.22V RADIOLOGY
Note: You already have the 'V RADIOLOGY' File.

9000010.23V HEALTH FACTORS
Note: You already have the 'V HEALTH FACTORS' File.

9000010.24V PATHOLOGY
Note: You already have the 'V PATHOLOGY' File.

9000010.25V MICROBIOLOGY
Note: You already have the 'V MICROBIOLOGY' File.

9000010.28V NOTE
Note: You already have the 'V NOTE' File.

9000010.29V EMERGENCY VISIT RECORD
Note: You already have the 'V EMERGENCY VISIT RECORD' File.

9000010.31V BLOOD BANK
Note: You already have the 'V BLOOD BANK' File.

9000010.32V PHN
Note: You already have the 'V PHN' File.

9000010.33V TRANSACTION CODES

9000010.34V NARRATIVE TEXT

9000010.701V VA MOBILE VISIT RELATED
Note: You already have the 'V VA MOBILE VISIT RELATED' File.

9000010.702V VA MOBILE VISIT TYPES
Note: You already have the 'V VA MOBILE VISIT TYPES' File.

9000010.703V VA MOBILE PRES ACTIONS
Note: You already have the 'V VA MOBILE PRES ACTIONS' File.

9000010.704V VA MOBILE REFER FOR OUTP
Note: You already have the 'V VA MOBILE REFER FOR OUTP' File.

9000010.705V VA MOBILE SPECIALTY OF REFER
Note: You already have the 'V VA MOBILE SPECIALTY OF REFER' File.

9000010.706V VA MOBILE EXAMS ORDERED
Note: You already have the 'V VA MOBILE EXAMS ORDERED' File.

9000010.99V LINE ITEM (GOODS&SERVICES)
Note: You already have the 'V LINE ITEM (GOODS&SERVICES)' File.

9000011   PROBLEM
Note: You already have the 'PROBLEM' File.

9000012   OFFSPRING HISTORY
Note: You already have the 'OFFSPRING HISTORY' File.

9000013   PERSONAL HISTORY
Note: You already have the 'PERSONAL HISTORY' File.

9000014   FAMILY HISTORY
Note: You already have the 'FAMILY HISTORY' File.

9000017   REPRODUCTIVE FACTORS
Note: You already have the 'REPRODUCTIVE FACTORS' File.

9000019   HEALTH STATUS
Note: You already have the 'HEALTH STATUS' File.

9000020   PT LAB RELATED DATA
Note: You already have the 'PT LAB RELATED DATA' File.

SHALL I WRITE OVER FILE SECURITY CODES? No// Y (Yes)

ARE YOU SURE EVERYTHING'S OK? No// Y (Yes)

Now checking dictionary names and data globals.
   Checking 9000001
   Checking 9000003
   Checking 9000003.01
   Checking 9000003.1
   Checking 9000004
   Checking 9000004.01
   Checking 9000005
   Checking 9000005.01
   Checking 9000006
   Checking 9000006.01
   Checking 9000007
   Checking 9000008
   Checking 9000009
   Checking 9000010
   Checking 9000010.01
   Checking 9000010.02
   Checking 9000010.03
   Checking 9000010.04
   Checking 9000010.05
   Checking 9000010.06
   Checking 9000010.07
   Checking 9000010.08
   Checking 9000010.09
   Checking 9000010.11

Checking 9000010.12
Checking 9000010.13
Checking 9000010.14
Checking 9000010.15
Checking 9000010.16
Checking 9000010.17
Checking 9000010.18
Checking 9000010.19
Checking 9000010.21
Checking 9000010.22
Checking 9000010.23
Checking 9000010.24
Checking 9000010.25
Checking 9000010.28
Checking 9000010.29
Checking 9000010.31
Checking 9000010.32
Checking 9000010.33
    Not in ^DIC or ^DD. Removing from ^UTILITY("XBDSET").
Checking 9000010.34
    Not in ^DIC or ^DD. Removing from ^UTILITY("XBDSET").
Checking 9000010.701
Checking 9000010.702
Checking 9000010.703
Checking 9000010.704
Checking 9000010.705
Checking 9000010.706
Checking 9000010.99
Checking 9000011
Checking 9000012
Checking 9000013
Checking 9000014
Checking 9000017
Checking 9000019
Checking 9000020

NUMBER	NAME	G^T	DATA GLOBAL
9000001	PATIENT	S^S	["DEV","DEV"]AUPNPAT(
9000003	MEDICARE ELIGIBLE	S^S	["DEV","DEV"]AUPNMCR(
9000003.01	MEDICARE CLAIMS	S^S	["DEV","DEV"]AUPNMCRC(
9000003.1	POLICY HOLDER	S^S	["DEV","DEV"]AUPN3PPH(
9000004	MEDICAID ELIGIBLE	S^S	["DEV","DEV"]AUPNMCD(
9000004.01	MEDICAID CLAIMS	S^S	["DEV","DEV"]AUPNMCDC(
9000005	RAILROAD ELIGIBLE	S^S	["DEV","DEV"]AUPNRRE(
9000005.01	RAILROAD CLAIMS	S^S	["DEV","DEV"]AUPNRREC(
9000006	PRIVATE INSURANCE ELIGIBLE	S^S	["DEV","DEV"]AUPNPRVT(
9000006.01	PRIVATE INSURANCE CLAIMS	S^S	["DEV","DEV"]AUPNPRVC(
9000007	SCHEDULED ENCOUNTER	S^S	["DEV","DEV"]AUPNFSE(
9000008	SURVEILLANCE	S^S	["DEV","DEV"]AUPNSURV(
9000009	CLINICAL REMINDER	S^S	["DEV","DEV"]AUPNCR(
9000010	VISIT	S^S	["DEV","DEV"]AUPNVSIT(
9000010.01	V MEASUREMENT	S^S	["DEV","DEV"]AUPNVMSR(
9000010.02	V HOSPITALIZATION	S^S	["DEV","DEV"]AUPNVINP(
9000010.03	V CHS	S^S	["DEV","DEV"]AUPNVCHS(
9000010.04	V EYE GLASS	S^S	["DEV","DEV"]AUPNVEYE(
9000010.05	V DENTAL	S^S	["DEV","DEV"]AUPNVDEN(
9000010.06	V PROVIDER	S^S	["DEV","DEV"]AUPNVPRV(
9000010.07	V POV	S^S	["DEV","DEV"]AUPNVPOV(
9000010.08	V PROCEDURE	S^S	["DEV","DEV"]AUPNVPRC(
9000010.09	V LAB	S^S	["DEV","DEV"]AUPNVLAB(
9000010.11	V IMMUNIZATION	S^S	["DEV","DEV"]AUPNVIMM(
9000010.12	V SKIN TEST	S^S	["DEV","DEV"]AUPNVSK(
9000010.13	V EXAM	S^S	["DEV","DEV"]AUPNVXAM(
9000010.14	V MEDICATION	S^S	["DEV","DEV"]AUPNVMED(
9000010.15	V TREATMENT	S^S	["DEV","DEV"]AUPNVTRT(
9000010.16	V PATIENT ED	S^S	["DEV","DEV"]AUPNVPED(
9000010.17	V PHYSICAL THERAPY	S^S	["DEV","DEV"]AUPNVPT(
9000010.18	V CPT	S^S	["DEV","DEV"]AUPNVCPT(
9000010.19	V ACTIVITY TIME	S^S	["DEV","DEV"]AUPNVTM(
9000010.21	V DIAGNOSTIC PROCEDURE RESULT	S^S	["DEV","DEV"]AUPNVDXP(

9000010.22	V RADIOLOGY	S^S ["DEV","DEV"]AUPNVRAD(
9000010.23	V HEALTH FACTORS	S^S ["DEV","DEV"]AUPNVHF(
9000010.24	V PATHOLOGY	S^S ["DEV","DEV"]AUPNVPTH(
9000010.25	V MICROBIOLOGY	S^S ["DEV","DEV"]AUPNVMIC(
9000010.28	V NOTE	S^S ["DEV","DEV"]AUPNVNOT(
9000010.29	V EMERGENCY VISIT RECORD	S^S ["DEV","DEV"]AUPNVER(
9000010.31	V BLOOD BANK	S^S ["DEV","DEV"]AUPNVBB(
9000010.32	V PHN	S^S ["DEV","DEV"]AUPNVPHN(
9000010.701	V VA MOBILE VISIT RELATED	S^S ["DEV","DEV"]AUPNVMVR(
9000010.702	V VA MOBILE VISIT TYPES	S^S ["DEV","DEV"]AUPNVMVT(
9000010.703	V VA MOBILE PRES ACTIONS	S^S ["DEV","DEV"]AUPNVMPA(
9000010.704	V VA MOBILE REFER FOR OUTP	S^S ["DEV","DEV"]AUPNVMRO(
9000010.705	V VA MOBILE SPECIALTY OF REFER	S^S ["DEV","DEV"]AUPNVMSP(
9000010.706	V VA MOBILE EXAMS ORDERED	S^S ["DEV","DEV"]AUPNVMEO(
9000010.99	V LINE ITEM (GOODS&SERVICES)	S^S ["DEV","DEV"]AUPNVLI(
9000011	PROBLEM	S^S ["DEV","DEV"]AUPNPROB(
9000012	OFFSPRING HISTORY	S^S ["DEV","DEV"]AUPNOFFH(
9000013	PERSONAL HISTORY	S^S ["DEV","DEV"]AUPNPH(
9000014	FAMILY HISTORY	S^S ["DEV","DEV"]AUPNFH(
9000017	REPRODUCTIVE FACTORS	S^S ["DEV","DEV"]AUPNREP(
9000019	HEALTH STATUS	S^S ["DEV","DEV"]AUPNHF(
9000020	PT LAB RELATED DATA	S^S ["DEV","DEV"]AUPNLABR(

The above list of dictionaries will be deleted in UCI ["DEV","DEV"]. Data globals, TEMPLATES and AUTHORITIES, will be kept, deleted, or asked depending on flag. '?' in G position indicates invalid data global.

[S]ave, [D]elete, [A]sk. Globals to be deleted are also marked by '*' in position 1.

[C]ontinue, [S]top, [M]odify? C//

9000001   PATIENT <WAIT>.............

9000003   MEDICARE ELIGIBLE <WAIT>.....

9000003.01   MEDICARE CLAIMS <WAIT>....

9000003.1   POLICY HOLDER <WAIT>....

9000004   MEDICAID ELIGIBLE <WAIT>.....

9000004.01   MEDICAID CLAIMS <WAIT>....

9000005   RAILROAD ELIGIBLE <WAIT>.....

9000005.01   RAILROAD CLAIMS <WAIT>....

9000006   PRIVATE INSURANCE ELIGIBLE <WAIT>.....

9000006.01   PRIVATE INSURANCE CLAIMS <WAIT>....

9000007   SCHEDULED ENCOUNTER <WAIT>....

9000008   SURVEILLANCE <WAIT>....

9000009   CLINICAL REMINDER <WAIT>....

9000010   VISIT <WAIT>....

9000010.01   V MEASUREMENT <WAIT>.....

9000010.02   V HOSPITALIZATION <WAIT>.........

9000010.03   V CHS <WAIT>.......

9000010.04   V EYE GLASS <WAIT>....

9000010.05   V DENTAL <WAIT>....

9000010.06   V PROVIDER <WAIT>.....

9000010.07   V POV <WAIT>.....

9000010.08   V PROCEDURE <WAIT>......

9000010.09   V LAB <WAIT>....

9000010.11   V IMMUNIZATION <WAIT>.....

9000010.12   V SKIN TEST <WAIT>.....

9000010.13   V EXAM <WAIT>.....

9000010.14   V MEDICATION <WAIT>....

9000010.15   V TREATMENT <WAIT>.....

9000010.16   V PATIENT ED <WAIT>....

9000010.17   V PHYSICAL THERAPY <WAIT>.....

9000010.18   V CPT <WAIT>.....

9000010.19   V ACTIVITY TIME <WAIT>....

9000010.21   V DIAGNOSTIC PROCEDURE RESULT <WAIT>....

9000010.22   V RADIOLOGY <WAIT>.....

9000010.23   V HEALTH FACTORS <WAIT>....

9000010.24   V PATHOLOGY <WAIT>.........

9000010.25   V MICROBIOLOGY <WAIT>....

9000010.28   V NOTE <WAIT>....

9000010.29   V EMERGENCY VISIT RECORD <WAIT>....

9000010.31   V BLOOD BANK <WAIT>....

9000010.32   V PHN <WAIT>....

9000010.701   V VA MOBILE VISIT RELATED <WAIT>....

9000010.702   V VA MOBILE VISIT TYPES <WAIT>....

9000010.703   V VA MOBILE PRES ACTIONS <WAIT>....

9000010.704   V VA MOBILE REFER FOR OUTP <WAIT>....

9000010.705   V VA MOBILE SPECIALTY OF REFER <WAIT>....

9000010.706   V VA MOBILE EXAMS ORDERED <WAIT>....

9000010.99   V LINE ITEM (GOODS&SERVICES) <WAIT>.....

9000011   PROBLEM <WAIT>......

9000012   OFFSPRING HISTORY <WAIT>......

9000013   PERSONAL HISTORY <WAIT>....

9000014   FAMILY HISTORY <WAIT>....

9000017   REPRODUCTIVE FACTORS <WAIT>....

9000019   HEALTH STATUS <WAIT>....

9000020   PT LAB RELATED DATA <WAIT>....

Resetting ^DIC(0) <WAIT>
Restoring saved ^DD nodes. <WAIT>

DONE

...EXCUSE ME, I'M WORKING AS FAST AS I CAN.....................................
....

NOTE THAT FILE SECURITY-CODE PROTECTION HAS BEEN MADE

This is the post init to the AUPN package. It will do the following:

1. Move the .07 field of V DIAGNOSTIC PROCEDURE to field 1208.
2. Move the .07 field of V Medication to 1202.
3. Move the .09 field of V Lab to 1202.
4. Reindex the AA xref on V CPT

Do you want to QUEUE this to run in the background? N// O
Moving .07 of V DIAGNOSTIC PROCEDURE to 1208... Done
The obsolete .07 in VLAB and the .09 in V MEDICATION are being moved to
the 1202 field. Please wait, a dot will print for every 5000 entries.
This will take awhile.
Processing V MEDICATION Done
Processing V LAB

Reindexing AA on V CPT

ALL DONE!!!

3.0   RELEASE NOTES

3.1   GENERAL

Changed all AZ9 cross-references to AY cross-references.
Added field and cross-reference descriptions to many fields
Modified the patient lookup to call DDIOL so that a patient lookup can
be done within ScreenMan
Created routine AUPNCPT to pass back all CPT codes for a visit
Added support for new measurement types in AUPNVMSR/AUPNVMS2
All V Files have been updated to support passing data to PCC from
external sources.
All V Files have new fields to support visit linkage.

3.2   NEW DATA DICTIONARIES

V PATHOLOGY
  V MICROBIOLOGY
  V NOTE
  V EMERGENCY VISIT RECORD
  V BLOOD BANK
  V PHN
  V LINE
  V NARRATIVE TEXT
  V ITEM (GOODS&SERVICES)
  V TRANSACTION CODES
  PT RELATED LAB DATA