



RESOURCE AND PATIENT MANAGEMENT SYSTEM

# **PCC Management Reports**

(APCL)

## **Technical Manual**

Version 3.0  
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## Preface

The PCC Management Reports module, version 3.0, provides numerous reports for patient and program management. This module facilitates the retrieval of data from the PCC by offering the user predefined report options as well as tools for custom-report generation. Users specify the parameters for each of the reports in order to retrieve the data of interest. Reports are organized by category on the main menu for ease of use.

This manual contains the technical documentation for the PCC Management Reports module, version 3.0. Included here are a system description, routine descriptions, option descriptions, and a variety of other information necessary for use by IRM personnel to operate and maintain the PCC Management Reports software.

If you have any questions or comments regarding this distribution, please contact the OIT Help Desk (IHS).

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## 1.0 Introduction

The richness of the Patient Care Component (PCC) database, as well as the functional need for retrieving data in an organized manner for administrative and clinical management purposes, led to the development of the PCC Management Reports module. The options available in this module allow users to quickly and easily generate reports containing the data they need from the PCC.

The PCC Management Reports User's Manual provides a description of each report, instructions for generating the reports, and a sample of each one. This technical manual is a reference for developers and IRM staff who will maintain the PCC Management Reports module. Included are a description of the files and overall program structure. It is assumed that you are already familiar with the material in the user's guide.

The main menu for the PCC Management Reports module (APCLMENU) is shown below.

```

*****
**          PCC Management Reports          **
*****
                          Version 3.0

                          SELLS HOSPITAL/CLINIC

PLST  Patient Listings ...
RES   Resource Allocation/Workload Reports ...
INPT  Inpatient Reports ...
QA    Quality Assurance Reports ...
DM    Diabetes Program QA Audit ...
APC   APC Reports ...
PCCV  PCC Ambulatory Visit Reports ...
BILL  Billing Reports ...
BMI   Body Mass Index Reports ...
ACT   Activity Reports by Discipline Group ...
CNTS  Dx & Procedure Count Summary Reports ...
IMM   Immunization Reports ...
DR    PCC Patient Data Retrieval Utility
RT    Report Template Utility ...
STS   Search Template System ...
QMAN  Q-Man (PCC Query Utility)
FM    FileMan (General) ...

```

- Options for accessing other RPMS data retrieval tools are also available on the PCC Management Reports menu. These include:
- PCC Patient Data Retrieval Utility
- Q-Man
- Report Template Utility
- FileMan

- Search Template System

These additional options are provided only for easy accessibility and will not be described in this manual. Please refer to the appropriate technical and user documentation for these systems if you would like more information..

## 2.0 Implementation and Maintenance

### 2.1 General Information

Menu options in the PCC Management Reports module allow users to retrieve various types of reports. Queuing is supported and recommended for report options that search the entire database. Output may sent be to printers or CRT terminals.

### 2.2 System Requirements

- Kernel 7.1 or higher
- FileMan 21 or higher
- AUPN (Patch 4) or higher
- Taxonomy 5.1
- Q-Man (Patch 9)

### 2.3 Security Keys

APCLZ - Delete a report definition

APCLZMENU - PCC Management Reports main menu

APCLZRT - Report template retrieval tool and data fetcher

### 3.0 Routines

Routine	Description
APCL1A	APC visits by primary provider
APCL1A1	Process APC 1A report
APCL1AP	Print APC report 1A
APCL1H	Print hospital discharges by
APCL1H1	Inpatient 2A report process
APCL1HP	Print report 2A
APCL2A3	Body mass index and relative weight for measurement transforms
APCL8A	APC visits by primary provider
APCL8A1	Process APC 8A report
APCL8AP	Print APC report 1A
APCLAA	APC visits by primary provider
APCLAA1	Process APC 1A report
APCLAAP	Print APC report 1A
APCLACC	Active users by community
APCLACC1	Process active user report
APCLACC2	Process active user report
APCLADA	Clinic visits by date with ADA
APCLADA1	Print clinic visits (calc)
APCLADAP	Print clinic visits
APCLADX	Age bucket/diagnosis report
APCLADX0	Cont. APCLADX
APCLADX1	Process Dx by age report
APCLADXP	Print Dx by age
APCLAGE	Age bucket driver
APCLAP0	Info for APCLAP1 and APCLAP2 reports
APCLAP1	APC visit counts by selected variables
APCLAP11	APC report process
APCLAP12	No description provided
APCLAP1P	Print APC report
APCLAP2	All visit report driver
APCLAP21	All visit report process
APCLAP22	No description provided
APCLAP2P	Print all visit reports
APCLAP3	Visits by provider
APCLAP31	Visits by provider process
APCLAP3P	Print visits by provider
APCLAP4	APC visit counts by selected variables
APCLAP41	APC report process
APCLAP4P	Print APC report
APCLAP5	APC visit counts by selected variables
APCLAP51	Prim care provider report process
APCLAP5P	Print clinic visits
APCLAP6	APC visit counts by selected variables
APCLAP61	Prim care provider report process
APCLAP6P	Print clinic visits
APCLAP7	APC visit counts by selected variables
APCLAP71	APC report process
APCLAP7P	Print APC report

<b>Routine</b>	<b>Description</b>
APCLAP8	APC visit counts—all service categories
APCLAP81	APC visit counts—all service cat process routine
APCLAP8P	APC visit counts print report
APCLAP9	Visits by provider
APCLAP91	Process APC AP9 report
APCLAP9P	Print APC report
APCLASK	Get patient or cohort
APCLAUD	Audit report
APCLAUD0	More audit report
APCLAUD1	More audit report
APCLAUD2	More audit report
APCLAUD3	More audit search
APCLAUD4	More audit search
APCLAUD5	User interface to select ICD codes
APCLAUD6	Extension of routine APCLAUD5
APCLAUD7	Code ranges in table
APCLBAN	Banner routine for Management Reports
APCLBIN1	Makes age bin reports
APCLBRH	List holders of Medicare A, B, Medicaid or private insurance
APCLBRH1	Print MCR, MCD, or PI holders
APCLBRH2	Process billing report holders
APCLBV	Print billable visits
APCLBV1	Print billable visits
APCLBV11	Continuation of APCLV1
APCLBV2	Gather billable visits
APCLCAW	Clinic visits tally of walk-in and appointment
APCLCAW1	Clinic visits (APCLCAW continued)
APCLCAWP	Print tally of walk-in and appointment clinic visits
APCLCH1	Community health profile
APCLCH11	Community health profile
APCLCH1P	Community health profile print
APCLCH1S	Community health profile print
APCLCH2	Dx by community local, secondary, tertiary
APCLCH21	Community health profile
APCLCH2P	Community health profile print
APCLCH2S	Community health profile print
APCLCP1	Disc tally activity time
APCLCP11	Tally activity time
APCLCP1P	Tally activity
APCLCP3	Activity report
APCLCP31	Activity report
APCLCP3P	Activity report print
APCLCP6	Activity report print
APCLCP61	Activity report
APCLCP6P	Print activity report
APCLCP8	GIS/Tucson PCC report with age buckets
APCLCP81	APC report – process
APCLCP8P	Print APC report by provider disc
APCLCP9	APC visits by primary provider
APCLCP91	APC report – process
APCLCP9P	Print APC report by provider disc
APCLCPAG	Create new activity group



<b>Routine</b>	<b>Description</b>
APCLCPUT	Driver for CHN report
APCLCV	Indian beneficiary calendar year visit summary
APCLCV1	Indian beneficiary calendar year visit summary
APCLCVP	Indian beneficiary calendar year visit summary
APCLCZP	All visit report driver
APCLCZP1	All visit report process
APCLCZPP	Print all visit report
APCLDF	YRULER<->PCC interface
APCLDF0	IHS-interactive routine for data fetcher
APCLDF1	IHS - process
APCLDF2	YRULER<->PCC process algorithm
APCLDF3	IHS
APCLDF4	Process demographic information
APCLDM	Diabetes QA report
APCLDM1	Gets data for diabetes QA report
APCLDM1A	Continuation of APCLDM1 for DM audit data fetching
APCLDM2	Continuation of routine to fetch data
APCLDM3	Continuation of DM audit retrieval routine
APCLDM4	Continuation of DM Audit Retrieval Routine
APCLDM5	DM Audit
APCLDM6	Tobacco use
APCLDM7	blood sugar taken/last 3
APCLDM8	PPD info
APCLDMNC	First of the diabetes diagnosis
APCLDP1	Active client list
APCLDP1P	Print active client list
APCLDQMT	Fix to Q-Man dictionary of terms - AKA
APCLEIN	INIT
APCLEOJ	EOJ kills and cleanup for reports
APCLER1	APC visit counts by selected variables
APCLER11	APC report process
APCLER1P	Print clinic visits
APCLER2	APC visit counts by selected variables
APCLER21	Admits from ER
APCLER2P	Print clinic visits
APCLFPR	Top FPR procedures
APCLFPR1	Top FPR procedures
APCLFPRP	Continuation of top ten
APCLFY	Fiscal year process routine
APCLGV	Active client list
APCLGVP	Print active client list
APCLL	List Template Exporter
APCLM1	Adult immunization needs
APCLM2	Adult immunization needs
APCLNJ1	Clinic visits by date range with POV
APCLNJ11	Print clinic visits (calc)
APCLNJ12	Print visits with injuries
APCLNJ13	Injury report cover page
APCLNJ2	E-code clinic visits by date range/by age/visit type
APCLNJ21	Print clinic visits (calc)
APCLNJ22	Print visits with injuries
APCLNJ23	Injury report cover page

<b>Routine</b>	<b>Description</b>
APCLO001	Protocol init installation
APCLONI1	Protocol init installation
APCLONI2	Protocol init installation
APCLONI3	Protocol init installation
APCLONIT	Protocol init installation
APCLOS	PCC Operational Summary
APCLOS1	Process operational summary
APCLOS2	Calculate
APCLOS21	Continuation of APCLOS2
APCLOS3	CHS portion of OS
APCLOS4	Ambulatory – Operations Summary
APCLOS41	Ambulatory continued
APCLOS5	RX
APCLOS6	In-Hospital – Operations Summary
APCLOS61	Ambulatory continued
APCLOSP	Print operational summary
APCLOSP1	Continuation of APCLOSP
APCLOSP2	Print AMB section
APCLOSP3	AMB print
APCLOSP4	Continuation of print operations summary
APCLOSP5	Print In-hospital section
APCLOSP6	In-hospital print
APCLOSUT	Printing utilities
APCLPCT	Driver for active population
APCLPCT1	Continuation of APCLPCT
APCLPCT2	Extension of APCLPCT
APCLPCT3	Continuation of APCLPCT2
APCLPLCV	Prints a patient's last clinic visit
APCLPN	Provider narrative/coding QA report
APCLPN1	Provider narrative listing
APCLPNP	FileMan init routine
APCLPOS2	Created by ^XBERERTN on April 04, 1996
APCLPOS3	Created by ^XBERERTN on April 04, 1996
APCLPOS4	Created by ^XBERERTN on April 04, 1996
APCLPOS5	Non DX/PX taxonomy fix
APCLPOST	IHS-Tucson/GIS/THL
APCLPREI	Created by XBBPI on April 4,1996
APCLPRPM	Driver for primary care provider report
APCLPRT	Prints reports using report template file
APCLPVC	POV grouped by APC codes
APCLPVC1	POV grouped by APC codes
APCLPVC2	POV grouped by APC codes
APCLRAD	Admissions 30 days after a discharge
APCLRAD1	Readmissions report process
APCLRADP	Print clinic visits
APCLRAPC	Recode ICD Diagnosis Code into APC code
APCLRCHA	Recode ICD-9 diagnosis code to CHA recode
APCLRPL	R-DMG-510 Patient List
APCLRPL1	Process R-DMG-510
APCLRPLP	Print patient list
APCLRPT	Interactive routine for data fetcher
APCLRTC	Taxonomy creation

<b>Routine</b>	<b>Description</b>
APCLSRT	IHS gets sort info for PCC reports
APCLSRT1	APCLSRT subroutine
APCLSRT2	Gets sort info for PCC reports
APCLSTMP	Create search template for PGEN (Patient) Reports
APCLSTMV	Create search template for VGEN (visits) reports
APCLT1	Top T POVs
APCLT1P	Print APC report
APCLTAX	Report for ANMC
APCLTEN	Top Ten POVs
APCLTEN1	Top ten POVs
APCLTENP	Continuation of top ten
APCLTX	Created by ^ATXSTX on Jan. 09, 1997
APCLTXA	Created by ^ATXSTX on Jan. 09, 1997
APCLTXB	Created by ^ATXSTX on Jan. 09, 1997
APCLTXC	Created by ^ATXSTX on Jan. 09, 1997
APCLTXD	Created by ^ATXSTX on Jan. 09, 1997
APCLTXE	Created by ^ATXSTX on Jan. 09, 1997
APCLTXF	Created by ^ATXSTX on Jan. 09, 1997
APCLTXFX	Fix ATXAX global multiple 21 node
APCLTXG	Created by ^ATXSTX on Jan. 09, 1997
APCLTXH	Created by ^ATXSTX on Jan. 09, 1997
APCLTXI	Created by ^ATXSTX on Jan. 09, 1997
APCLTXJ	Created by ^ATXSTX on Jan. 09, 1997
APCLTXK	Created by ^ATXSTX on Jan. 09, 1997
APCLTXL	Created by ^ATXSTX on Jan. 09, 1997
APCLTXM	Created by ^ATXSTX on Jan. 09, 1997
APCLTXN	Created by ^ATXSTX on Jan. 09, 1997
APCLTXO	Created by ^ATXSTX on Jan. 09, 1997
APCLTXP	Created by ^ATXSTX on Jan. 09, 1997
APCLTXQ	Created by ^ATXSTX on Jan. 09, 1997
APCLTXR	Created by ^ATXSTX on Jan. 09, 1997
APCLTXS	Created by ^ATXSTX on Jan. 09, 1997
APCLTXT	Created by ^ATXSTX on Jan. 09, 1997
APCLTXU	Created by ^ATXSTX on Jan. 09, 1997
APCLTXV	Created by ^ATXSTX on Jan. 09, 1997
APCLTXW	Created by ^ATXSTX on Jan. 09, 1997
APCLTXX	Created by ^ATXSTX on Jan. 09, 1997
APCLTXY	Created by ^ATXSTX on Jan. 09, 1997
APCLUTL	Area database utility routine
APCLV	Visit data
APCLV01	Provider functions
APCLV05	Provider functions
APCLV06	Provider functions
APCLV07	Provider functions
APCLV08	Procedure functions
APCLV1	Visit entry utilities/get codes
APCLV11	Provider functions
APCLVDR	Driver for visit record generation
APCLVL	PCC visit general retrieval driver routine
APCLVL0	Screen logic
APCLVL01	Screen logic
APCLVL1	Process visit list

<b>Routine</b>	<b>Description</b>
APCLVL3	No description provided
APCLVL4	No description provided
APCLVLD	Delete VGEN/PGEN custom report
APCLVLP	Print visit report
APCLVLP1	Continuation of APCLVLP
APCLVLP2	Print visit report
APCLVLS	APC visit counts – show screens
APCLVLS1	DIR question mark
APCLVLU	General retrieval utilities
APCLVLU1	General retrieval utilities
APCLVPVC	APC visit counts by selected variables
APCLVST	Prints a patient's last visit
APCLW1	Age bucket/diagnosis report
APCLW11	Calc weight report
APCLW12	Continuation APCLW1
APCLW1P	Print Dx by age
APCLW2	Age bucket/diagnosis report
APCLW21	Calc weight report
APCLW2P	Print Dx by age
APCLWL1	Clinic hourly workload report
APCLWL11	Clinic hourly workload report
APCLWL1P	Clinic hourly workload report
APCLXX	Created by ^XBERTN on Apr. 18, 1996
APCLXXAA	Created by ^XBERTN on Apr. 18, 1996
APCLXXAB	Created by ^XBERTN on Apr. 18, 1996
APCLXXBA	Created by ^XBERTN on Apr. 18, 1996
APCLXXCA	Created by ^XBERTN on Apr. 18, 1996
APCLXXD	Created by ^XBERTN on Apr. 18, 1996
APCLXXDA	Created by ^XBERTN on Apr. 18, 1996
APCLXXE	Created by ^XBERTN on Apr. 18, 1996
APCLXXEA	Created by ^XBERTN on Apr. 18, 1996
APCLYV1	Print list of CO and dependent visits
APCLYV11	Print APCLCO visit report (calc)
APCLYV12	CO visits report (print)
APCLYV2	Outpatient visits by date range with ICD codes
APCLYV21	Print outpatient visits with ICD codes (calc)
APCLYV22	Print outpatient visits with ICD codes
APCLYV3	Clinic visits by date range with POV
APCLYV31	Print clinic visits (calc)
APCLYV32	Print clinic visits
APCLYV4	Clinic visit counts by date range
APCLYV41	Clinic visit counts (calc)
APCLYV42	Clinic visit counts print
APCLYV43	clinic visit counts for 1 day (print)
APCLYV5	Inpatient visits with ICD codes
APCLYV51	Inpatient visits (calc)
APCLYV52	Print inpatient visits
APCLYV6	Visit counts by provider
APCLYV61	Visit counts by provider (calc)
APCLYV62	Visit counts by provider print
APCLYV63	Visit counts by provider for 1 day (print)

### 3.1 Callable Routines

The PCC Management Reports system has several public entry points, which are listed here.

<b>Routine</b>	<b>Entry Point</b>
APCLAGE+80	HDR ;EP -Header
APCLAP0+2	GETINFO ;EP
APCLAP12+4	EOJ ;EP
APCLAP12+7	DISC ;EP
APCLAP12+12	CLIN ;EP
APCLAP12+16	DATE ;EP
APCLAP12+20	PROV ;EP
APCLAP22+4	DATE ;EP
APCLAP22+8	CLIN ;EP
APCLAP22+12	SC ;EP
APCLAP22+20	DX ;EP
APCLASK+7	START1(APCLDFN,APCLCUML) ;EP
APCLAUD+28	ICDB1 ;EP
APCLAUD2+32	HEAD ;EP
APCLAUD4+2	TOP ;EP
APCLAUD4+29	TOPHD ;EP
APCLAUD4+44	ICDLN ;EP
APCLAUD5+38	DISPLAY ;EP;SHOW CODES IN RANGE SELECTED
APCLBAN+67	TEXT0 ;EP
APCLBAN+73	TEXTN ;EP
APCLBAN+79	TEXTM ;EP
APCLBAN+85	TEXTD ;EP
APCLBAN+91	TEXTE ;;EP
APCLBAN+97	TEXTF ;EP
APCLBAN+103	TEXTG ;EP
APCLBV11+2	1 ;EP
APCLBV11+17	2 ;EP
APCLCH1+68	SET ;EP - ENTRY POINT
APCLCH1P+87	HEAD ;EP
APCLCH1S+4	SETV ;EP
APCLCH1S+16	EN ;EP - called from APCLCH1P
APCLCH2+102	SET ;EP - ENTRY POINT
APCLCH2P+77	HEAD ;EP
APCLCH2S+4	INPT ;EP
APCLDF2+47	RESULTS ;EP - Store results
APCLDM+15	REC(DFN,APCLRTP) ;EP - called to send back a visit record as
APCLDM+28	WRITEF ;EP write flat file
APCLDM5+47	CLEAN ;EP
APCLDM6+3	TOBACCO ;EP
APCLDM6+48	RSTAT(R,S) ;EP - return # patients on register REG with status STAT
APCLDM7+4	BSTAKEN ;EP
APCLDM8+5	PPD ;EP
APCLDMNC+3	DMNC ;EP -- called by taxonomy system
APCLDP1+41	PROC ;EP - entry point for processing
APCLFPRP+3	PRINT ;EP
APCLFPRP+4	COVPAGE ;EP
APCLGV+47	PROC ;EP - entry point for processing

<b>Routine</b>	<b>Entry Point</b>
APCLM1+31	PRN ;EP
APCLM2+57	PRN ;EP
APCLOSUT+3	XTMP(N,D) ;EP - set XTMP 0 node
APCLPOS2+23	;;BULL ;EP GENERATE OR UPDATE BULLETIN
APCLPOS2+78	;;TAX ;EP GENERATE OR UPDATE TAXONOMY
APCLPOS2+127	;;KILL ;EP KILL VARIABLES AND ^TMP GLOBAL ENTRIES
APCLPOS3+25	;;ICD(X,Y,Z) ;EP >>EXTRN FUNC to see if ICD code belongs in certain taxonomy
APCLPOS4+29	;;EN(ZIBVKNS) ;EP - KILL VARIABLES IN NAME SPACE
APCLSRT2+2	CHKVARS ;EP
APCLSTMP+3	EN ;EP - ENTRY POINT
APCLSTMP+7	EN1 ;EP Help
APCLSTMP+40	SETRECS ;EP - Set Entries into Template
APCLSTMV+3	EN ;EP - ENTRY POINT
APCLSTMV+7	EN1 ;EP Help Text
APCLSTMV+41	SETRECS ;EP - Set Entries into Template
APCLT1+38	PROC ;EP - called from XBDBQUE
APCLTEN1+70	EXIT ;EP
APCLTENP+4	COVPAGE ;EP
APCLUTL+7	LZERO(V,L) ;EP - left zero fill
APCLUTL+15	RBLK(V,L) ;EP right blank fill
APCLV01+3	MEAS ;EP
APCLV05+3	DENT ;EP
APCLV06+3	PRIMPROV ;EP - primary provider in many different formats
APCLV06+15	SECPROV ;EP
APCLV06+28	PROV ;EP
APCLV06+38	I ;EP
APCLV06+40	T ;EP
APCLV06+42	A ;EP
APCLV06+44	B ;EP
APCLV06+49	D ;EP
APCLV06+55	E ;EP
APCLV06+58	F ;EP
APCLV06+61	C ;EP
APCLV06+63	N ;EP
APCLV06+65	O ;EP
APCLV06+67	P ;EP
APCLV06+99	ATTPHY ;EP
APCLV06+111	MIDWIFE ;EP
APCLV07+3	PRIMPOV ;EP - primary provider in many different formats
APCLV07+16	SECPOV ;EP
APCLV07+30	POV ;EP
APCLV07+40	ADMDX ;EP
APCLV08+3	PROC ;EP
APCLV08+16	PRC ;EP
APCLV1+3	COMM ;EP ; get Community-State, County, Community codes
APCLV1+14	CHART ;EP - returns ASUFAC_HRN ( 12 digits, HRN is left zero filled)
APCLV1+36	LOCENC ;EP - given visit IEN V, return loc. of encounter in format F
APCLV1+53	VDTM ;EP - given visit IEN in V, return visit date and time in F format
APCLV1+61	TIME ;EP - given visit IEN in V, returns visit time of day in format F
APCLV1+83	DOW ;EP - returns
APCLV1+91	TYPE ;EP type of visit

<b>Routine</b>	<b>Entry Point</b>
APCLV1+98	SC ;EP - service category
APCLV1+105	CLINIC ;EP - clinic
APCLV1+114	EM ;EP - eval&man CPT code
APCLV1+123	LS ;EP - level of service code
APCLV1+130	NLAB ;EP - #labs
APCLV1+136	NRX ;EP - #RXs
APCLV1+143	ADMSEV ;EP
APCLV1+151	DSCHSERV ;EP
APCLV1+159	ADMTYPE ;EP
APCLV1+167	DSCHTYPE ;EP
APCLV1+175	DSCHDATE ;EP
APCLV1+183	CONSULTS ;EP
APCLV1+190	LOS ;EP
APCLV1+198	FACTX ;EP
APCLV1+207	ACTTIME ;EP
APCLV1+214	TRAVTIME ;EP
APCLV1+221	CHSCOST ;EP
APCLV1+229	PATIENT ;EP
APCLV1+238	DLM ;EP
APCLV1+246	DVEX ;EP
APCLV1+254	APWI ;EP
APCLV1+261	CODT ;EP
APCLV1+269	APDT ;EP
APCLV1+276	OUTSL ;EP
APCLV1+282	PCHART ;EP
APCLV11+3	IMM ;EP
APCLVDR+28	PREC(DFN,APCLRTYP) ;EP -create a patient record
APCLVL+37	PS1 ;EP
APCLVL+133	DEL ;EP DELETE LOG ENTRY IF ONE EXISTS AND USER "^" OUT
APCLVL0+4	Q ;EP
APCLVL0+17	R ;EP
APCLVL01+4	INFORM ;EP
APCLVL01+21	ADD ;EP
APCLVL01+44	PAUSE ;EP
APCLVL01+49	N ;EP
APCLVL01+59	J ;EP - JUST A HIT
APCLVL01+63	Y ;EP - called from APCLVL0
APCLVL1+98	XIT ;EP - CALLED FROM APCLVL
APCLVL1+102	XIT1 ;EP
APCLVL3+5	TITLE ;EP
APCLVL3+15	SAVE ;EP
APCLVL3+27	COUNT ;EP
APCLVL3+50	SORT ;EP
APCLVL4+47	ADD ;EP - add an item to the selected list - called from a protocol
APCLVL4+92	REM ;EP - remove a selected item - called from protocol entry
APCLVL4+108	Q ;EP - quit selections
APCLVL4+111	EXITR ;EP - exit report called from protocol entry
APCLVLD+6	EN ;EP - called from an option
APCLVLP+2	START ;EP - Set up header line, dash line
APCLVLP1+4	COVPAGE ;EP
APCLVLP1+57	WP ;EP - Entry point to print WP fields pass node in APCLNODE
APCLVLP2+3	DONE ;EP

<b>Routine</b>	<b>Entry Point</b>
APCLVLP2+15	HEAD1 ;EP
APCLVLP2+29	WRITEF ;EP - write out flat file
APCLVLS+3	SHOWP ;EP
APCLVLS+17	SHOW ;EP
APCLVLS+33	SHOWR ;EP
APCLVLS1+4	DIRQ ;EP
APCLVLU+50	MCDPN(P,D,F) ;EP - return Medicaid plan name
APCLVLU+86	PIV(P,D) ;EP - return 1 or 0 if current pi policy has been verified, return 1
APCLVLU+106	PIN(P,D,F) ;EP private insurer name (external or internal)
APCLVLU+125	LOS(V) ;EP called from PCC Management Reports visit sort
APCLVLU+139	THIRD ;EP
APCLVLU1+20	MCD ;EP
APCLVLU1+39	PI ;EP
APCLVLU1+57	PIV ;EP
APCLVLU1+75	ML ;EP - set up mailing address print array
APCLW11+4	START ;EP
APCLW12+4	SETE ;EP - set for each age
APCLW12+18	SETG ;EP
APCLW12+22	SETGROUP ;EP
APCLW21+4	START ;EP
APCLXXBA+6	;;BULL ;EP GENERATE OR UPDATE BULLETIN
Routine	Entry Point
APCLXXBA+61	;;TAX ;EP GENERATE OR UPDATE TAXONOMY
APCLXXBA+110	;;KILL ;EP KILL VARIABLES AND ^TMP GLOBAL ENTRIES
APCLXXCA+26	;;TXC(ATXCIEN,ATXTIEN,TEST) ;EP-EXTRN FUNC/see if code is in taxonomy
APCLXXEA+13	;;EN(ZIBVKNS) ;EP - KILL Local variables in the passed namespace.
APCLYV31+3	DGZCALL ;EP for DGZCALLS routine
APCLYV42+52	HEAD0 ;EP



## 4.0 Files

Number	Description
9001003.5	PCC Management Reports sort
9001003.56	Navigation for files
9001003.51	Associated print template(s)
9001003.2	PCC Management Reports operation summary section
9001003.1	PCC Management Reports operation summary type
9001003.11	Structure
9001003.6	PCC Management Reports activity group
9001003.61101	Disciplines in group
9001200	PCC Management Reports template
9001200.01101	Description
9001200.02101	Template
9001200.03101	Parameter
9001200.311101	Parameter description
9001003.8	PCC Management Reports visit report template
9001003.81101	Screen items
9001003.8110101	Item value
9001003.81102	Print items
9001003.7	PCC Management Reports visit sort
9001003	PCC Management Reports control file
9001003.01101	Items
9001003.01201	DM Audit laboratory tests
9001003.121101	Site/specimen
9001003.9	PCC Management Reports BMI std. ref.
9001004.1	PCC Management Reports output record def.
9001004.2101	Items
9001004.210112	Description
9001004.11301	Static data

## 5.0 Cross-References

```

9001003.6 PCC MAN REPORTS ACTIVITY GROUP
NAME OF GROUP (.01)
  1 B REGULAR

9001003.9 PCC MAN REPORTS BMI STND REF
LOW AGE (.01)
  1 B REGULAR

HIGH AGE (.02)

9001003 PCC MAN REPORTS CONTROL FILE
NAME (.01)
  1 B REGULAR

9001003.2 PCC MAN REPORTS OP SUM SECTION
NAME (.01)
  1 B REGULAR

9001003.1 PCC MAN REPORTS OP SUM TYPE
NAME (.01)
  1 B REGULAR

9001004.1 PCC MAN REPORTS OUTPUT RECORD DEF
RECORD NAME (.01)
  1 B REGULAR

9001200 PCC MAN REPORTS REPORT TEMPLATE
NAME (.01)
  1 B RE

9001003.5 PCC MAN REPORTS SORT
NAME (.01)
  1 B REGULAR

9001003.8 PCC MAN REPORTS VISIT REPORT TEMP
$J_$H
  1 B REGULAR

NAME OF REPORT (.03)
  1 C REGULAR
SORT ITEM (.07)
  1 TRIGGER

9001003.7 PCC MAN REPORTS VISIT SORT
ITEM (.01)
  1 B REGULAR
  2 U MUMPS

ORDER ON MENU (.09)
  1 C REGULAR

```

## 6.0 Exported Options

- APCL E CREATE REPORT TEMPLATE
- APCL E CREATE TAX
- APCL E DM CHOLESTEROL TAX
- APCL E DM CREATE CREATININE
- APCL E DM CREATE MED TAX
- APCL E DM CREATE PAP TAX
- APCL E DM CREATE URINALYSIS
- APCL E DM GLUCOSE TAX
- APCL E DM HGB A1C TAX
- APCL E DM TRIGLYCERIDE TAX
- APCL E DM URINE PROTEIN TAX
- APCL E MOD/DEL REPORT TEMPLATE
- APCL M DM AUDIT
- APCL M DX/PROC COUNT REPORTS
- APCL M IMMUNIZATION
- APCL M MAN ALL REPORTS
- APCL M MAN APC REPORTS/PCC
- APCL M MAN BILLING REPORTS
- APCL M MAN INPATIENT REPORTS
- APCL M MAN PATIENT LISTINGS
- APCL M MAN QUALITY ASSURANCE
- APCL M MAN REPORTS BMI
- APCL M MAN RESOURCE ALLOCATION
- APCL M REPORT TEMPLATE
- APCL M SU OPERATIONS SUMMARY
- APCL M VISIT FOR PT
- APCL MENU PHN REPORTS
- APCL P ALLV CLINIC
- APCL P ALLV CLINIC APPT/WI
- APCL P ALLV DATA ANALYSIS
- APCL P ALLV DATE
- APCL P ALLV DISC
- APCL P ALLV DX
- APCL P ALLV LOCATION
- APCL P ALLV PCC REPORT AA
- APCL P ALLV PRIM CARE DAILY
- APCL P ALLV PRIM CARE MONTHLY
- APCL P ALLV PROV
- APCL P ALLV SERVICE CAT
- APCL P APC 1A NOT EXPORTED
- APCL P APC AVG VISITS BY CLN
- APCL P APC AVG VISITS BY DAY
- APCL P APC AVG VTS CLN ALL SVC
- APCL P APC CLINIC
- APCL P APC CYV SUMMARY
- APCL P APC DATE
- APCL P APC DISC
- APCL P APC DX
- APCL P APC DX CATEGORY
- APCL P APC LOCATION
- APCL P APC PCC 1A
- APCL P APC PROVIDER
- APCL P BILL BILLABLE VISITS
- APCL P BILL CO VISITS
- APCL P BILL COMMOFF
- APCL P BILL MEDICAID
- APCL P BILL MEDICARE A
- APCL P BILL MEDICARE B
- APCL P BILL PRIVATE INS
- APCL P BMI LIST PATIENTS
- APCL P BMI LIST PATS OBESE
- APCL P BMI LIST PATS OVERW

- APCL P BMI PREV TABLE
- APCL P BMI STAND REF TABLE
- APCL P CLINIC WAIT TIMES
- APCL P DATA FETCHER
- APCL P DIABETES QA AUDIT
- APCL P IMM ADULT IMM NEEDS
- APCL P IMM KIDS NOT ON REG
- APCL P INPT DISCH W/I TAXONOMY
- APCL P INPT HOSP DISCH
- APCL P INPT HOSP DISCH BY MOD
- APCL P INPT HOSP LIST BY DX
- APCL P LIST PATS ERROR RANGE
- APCL P LIST PATS OV/OB
- APCL P PATLIST BY CURRCOM
- APCL P PATLIST DEMOGRAPHICS
- APCL P PATLIST DESIG PROV
- APCL P PATLIST DOB LISTING
- APCL P PATLIST DOD LISTING
- APCL P PATLIST DP-W/ V COUNTS
- APCL P PATLIST R-DMG-510
- APCL P PRINT REPORT TEMPLATE
- APCL P QA A1 RET ER
- APCL P QA ADMITS FROM ER
- APCL P QA ALL VISITS BY PROV
- APCL P QA AZQ2AUD
- APCL P QA CLINIC ICD
- APCL P QA CLINIC VISIT CNTS
- APCL P QA CLN CNTS BY ZIPCODE
- APCL P QA DELETE REP DEF
- APCL P QA DIAGNOSES BY AGE
- APCL P QA DX TALLY BY FAC
- APCL P QA FREQ DX
- APCL P QA FREQ PROCEDURES
- APCL P QA LAST VISIT
- APCL P QA LAST CLINIC VISIT
- APCL P QA LAST VISIT
- APCL P QA OUTPATIENT WITH ICD
- APCL P QA PATIENT GEN RETR
- APCL P QA POVAPC
- APCL P QA PROV CNTS TEMPLATE
- APCL P QA PROVIDER COUNTS
- APCL P QA PTS WITH n OF VISITS
- APCL P QA READMITS W/IN 30
- APCL P QA VISIT GEN RETR
- APCL P QA VISIT INJURY SUM
- APCL P QA VISITS W/ INJURIES
- APCL P QA VISITS W/ADA CODES
- APCL P RES ACTIVE BY COMM
- APCL P RES ACTIVE BY SU OF RES
- APCL P RES ACTIVE BY TRIBE
- APCL P RES APCLPCT BY COMM
- APCL P RES APCLPCT BY SU
- APCL P RES APCLPCT BY TRIBE
- APCL P RES CLINIC HOURLY W/L
- APCL P RES COMMUNITY PROFILE
- APCL P RES PAT AGE BUCKETS
- APCL P SU DISPLAY SUMM TYPE
- APCL P SU OPERATIONS SUMMARY
- APCL P SU SUMM SECTIONS
- APCL P SU SUMM TYPE
- APCL PHN CREATE ACTIVITY GROUP
- APCL PHN INDS BY PROV
- APCL PHN INDS BY SU
- APCL PHN INQ ACTIVITY GROUP
- APCL PHN PRIM PROB BY LOC
- APCL PHN PRIM PROB BY PROV
- APCL PHN PRIM PROB BY SU

- APCL PHN SERV BY AGE AND SEX
- APCL PHN TIME AND SER BY PROV
- APCL PHN TIME AND SER BY SU
- APCL PHN TOP TEN PRIM PROB
- APCLMENU

## **7.0 Archiving and Purging**

There is no archiving and purging in this package.

## **8.0 Archiving and Purging**

There is no archiving and purging in this package.

## 9.0 External Relations

This package calls the following documented entry points:

```

EN3^AMQQ
EN^VALM
EN1^AMQQGTX
TERM^VALM0
^AMQQGTX0
CLEAR^VALM1
EN1^AMQQTXX
FULL^VALM1
$$ICD^ATXCHK
^XBDBQUE
EN^ATXLABA
$$VAL^XBIDIQ1
BULL^ATXSTX2
$$VALI^XBIDIQ1
KILL^ATXSTX2
^XBFBK
TAX^ATXSTX2
$$EXTSET^XBFUNC
^AUPNPAT
$$PROVCLS^XBFUNC1
$$AGE^AUPNPAT
$$PROVCLSC^XBFUNC1
$$BEN^AUPNPAT
^XBGSAVE
$$COMMRES^AUPNPAT
EN2^XBKD
$$DOB^AUPNPAT
^XBKVAR
$$HRN^AUPNPAT
$$DOW^XLFDT
$$MCD^AUPNPAT
$$FMADD^XLFDT
$$MCR^AUPNPAT
$$FMDIFF^XLFDT
$$PI^AUPNPAT
$$FMTE^XLFDT
$$SEX^AUPNPAT
$$LOW^XLFSTR
KILL^AUPNPAT
$$UP^XLFSTR
DOT^ORVOM
DISP^XQORM1

```



## **10.0 Internal Relations**

All users should be given the access to the appropriate options and keys to them, as needed. All of the options in this system stand alone.

## 11.0 How to Generate On-Line Documentation

The file number range for this package is 9001003.5-9001004.11301. The namespace is APCL. All templates, routines, screen forms, etc. begin with APCL.

This section describes some of the methods by which users can generate PCC Management Reports technical documentation. Online technical documentation pertaining to the Management Reports software, in addition to that which is located in the help prompts and on the help screens throughout the package, can be generated through the use of several Kernel options. These include, but are not limited to, the following:

- %INDEX
- Menu Management
- Inquire Option
- Print Option File
- VA FileMan
- Data Dictionary Utilities
- List File Attributes

Entering question marks at the “Select...Option” prompts can also provide users with valuable technical information. For example, a single question mark (?) lists all options that can be accessed from the current option. Entering two question marks (??) lists all options accessible from the current one, showing the formal name and lock for each. Three question marks (???) displays a brief description for each option in a menu, whereas an option name preceded by a question mark (?OPTION) shows extended help, if available, for that option.

For a more exhaustive option listing and further information about other utilities that supply online technical information, please consult the DHCP Kernel Reference manual.

### 11.1 %INDEX

This option analyzes the structure of a routine to determine in part if the routine adheres to RPMS Programming Standards. The %INDEX output can include the following components:

- Compiled list of errors and warnings
- Routine listing

- Local variables
- Global variables
- Naked globals
- Label references
- External references

By running %INDEX for a specified set of routines, you are afforded the opportunity to discover any deviations from RPMS Programming Standards that exist in the selected routines and to see how routines interact with one another (i.e., which routines call or are called by other routines).

To run %INDEX for the Health Summary package, specify the APCH namespace at the Routine(s)?> prompt.

<p><b>Note:</b> Management Reports initialization routines that reside in the UCI in which %INDEX is being run, compiled template routines, and local routines found within the APCL namespace should be omitted at the Routine(s)?&gt; prompt. To omit routines from selection, preface the namespace with a minus sign (-).</p>
---

## 11.2 Inquire Option

This menu management option provides the following information about a specified option:

- Option name
- Menu text
- Option description
- Type of option
- Lock (if any)

In addition, all items on the menu are listed for each menu option. To secure information about PCC Management Reports options, you must specify the APCL namespace.

## 11.3 Print Option File

This utility generates a listing of options from the Option file (#19). You can choose to print all of the entries in this file or you can specify a single option or range of options.

For a list of Management Reports options, please refer to the Exported Options section of this manual.

## 11.4 List File Attributes

This VA FileMan option allows you to generate documentation pertaining to files and file structure. Using the Standard format of this option yields the following data dictionary information for a specified file:

- File name and description
- Identifiers
- Cross-references
- Files pointed to by the file specified
- Files that point to the file specified
- Input, print, and sort templates

In addition, the following applicable data is supplied for each field in the file:

- Field name, number, title, and description
- Global location
- Help prompt
- Cross-references
- Input transform
- Date last edited
- Notes

Using the Global Map format of this option generates an output that lists the following information:

- All cross-references for the file selected
- Global location of each field in the file
- Input, print, and sort templates

For a comprehensive listing of PCC Management Reports package files, please refer to the Files section of this manual.

## **12.0 SAC Requirements/Exemptions**

There were no exemptions necessary for this package.

## 13.0 Glossary

### **APC**

Ambulatory patient care.

### **Cross-reference**

An indexing method whereby files can include pre-sorted lists of entries as part of the stored database. Cross-references (x-refs) facilitate lookup and reporting.

### **ICD**

International Classification of Diseases.

### **IHS**

Indian Health Service.

### **INDEX (%INDEX)**

A Kernel utility used to verify routines and other MUMPS code associated with a package. Checking is done according to current ANSI MUMPS standards and RPMS programming standards. This tool can be invoked through an option or from direct mode (>D ^%INDEX).

### **Init**

Initialization of an application package. The initialization step in the installation process builds files from a set of routines (the init routines). Init is a shortened form of initialization.

### **Internal Entry Number (IEN)**

The number used to identify an entry within a file. Every record has a unique internal entry number.

### **IRM**

Information Resource Management. The IHS personnel responsible for information systems management and security.

**Kernel**

The set of MUMPS software utilities that function as an intermediary between the host operating system and application packages, such as Laboratory and Pharmacy. The Kernel provides a standard and consistent user and programmer interface between application packages and the underlying MUMPS implementation. These utilities provide the foundation for RPMS.

**Namespace**

A unique set of 2 to 4 alpha characters that are assigned by the database administrator to a software application.

**Node**

In a tree structure, a point at which subordinate items of data originate. A MUMPS array element is characterized by a name and unique subscript. Thus the terms node, array element, and subscripted variable are synonymous. In a global array, each node might have specific fields or “pieces” reserved for data attributes such as name.

**Option**

An entry in the Option file. As an item on a menu, an option provides an opportunity for users to select it, thereby invoking the associated computing activity. Options may also be scheduled to run in the background, non-interactively, by TaskMan.

**Programmer Mode**

Entry into an application directly from the MUMPS prompt instead of from the menu system; for example, by typing D P^DI.

**Queuing**

Requesting that a job be processed at a later time rather than within the current session.

**Routine**

A program or sequence of instructions called by a program that may have some general or frequent use. MUMPS routines are groups of program lines that are saved, loaded, and called as a single unit via specific name.

**Templates**

A way of associating fields in a file or in related files for later reference. Edit sequences are stored in the Input Template file, print specifications are stored in the Print Template file, and search or sort specifications are stored in the Sort Template file.

**Utility**

A callable routine line tag or function. A universal routine usable by anyone.

**Variable**

A character or group of characters that refer to a value. MUMPS recognizes 3 types of variables: local variables, global variables, and special variables. Local variables exist in a partition of the main memory and disappear at sign-off. A global variable is stored on disk, potentially available to any user. Global variables usually exist as parts of global arrays.