



RESOURCE AND PATIENT MANAGEMENT SYSTEM

HIV Management System (BKM)

Technical Manual

Version 2.0
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Preface

The purpose of this manual is to provide technical information about the Human Immunodeficiency Virus (HIV) Management System (HMS) package. The HMS package enables clinical case managers and providers to track, monitor, administer, and report on clinical care delivered to patients identified with HIV and related illnesses.

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1.0 Introduction

The Human Immunodeficiency Virus (HIV) Management System (HMS) software is a component of the Indian Health Service (IHS) Resource and Patient Management System (RPMS) that provides HMS case management functions. Case management provides a mechanism for healthcare providers to be informed about and to follow up clinical interventions and information on single or multiple disease states and conditions. These applications can assist healthcare providers in identifying high-risk patients, proactively tracking care reminders and the health status of individuals or populations, providing appropriate care by embedding evidence-based guidelines, and reporting outcomes. Appropriate case management improves the delivery of care, as well as the outcome. In addition, there are documented fiscal benefits when appropriate case management is introduced into the healthcare business process model.

HMS is a key tool for accomplishing the IHS goal of improving compliance with clinical practice guidelines for five chronic diseases significant to the American Indian/Alaska Native (AI/AN) population: diabetes, HIV/Acquired Immune Deficiency Syndrome (AIDS), asthma, obesity, and cardiovascular disease (CVD). It provides the capability of establishing and maintaining a patient register for managing the healthcare of any select groupings of HIV/AIDS patients and/or at risk patients defined by a facility's providers. It also provides the ability to collect data not currently available within RPMS specific to the healthcare and management of HIV/AIDS patients, and provides relevant reminders and alerts to providers. Finally, HMS provides the capability to analyze and report patient data for individuals and populations.

This is the final release of the HMS package. This functionality has been incorporated in the latest release of iCare (BQI), version 2.0. HMS will continue to be accessible within the RPMS menu structure for a period of three months after the installation of this software. However, a site may elect to disable this function at any time during the three-month period.

This manual provides IHS site managers with a technical description of the HMS routines, files, menus, cross references, globals, and other necessary information required to effectively manage the system.

All routines, files, options, and keys are namespaced starting with the letters BKM. The file number range for this package is 90450 – 90459.99.

2.0 Orientation

Until the RPMS version of the HMS has been completely turned off, it can still be accessed through its normal RPMS menu functions. Refer to the HMS version 1.0 documentation for further information.

3.0 Implementation and Maintenance

The HMS has been modified to work within the iCare Population Management graphical user interface (GUI) application.

3.1 General Information

The following table shows the prerequisite patch requirements

Package and Version	Associated Patch Designation(s)	Brief Patch Description
Patient Information Management Systems (PIMS) version 5.3	PIMS*5.3*1008	This patch updates many issues pertaining to: bed control, reporting, census taking, day surgery, incomplete charts, scheduling issues, and patient tracking.
Patient Care Component (PCC) Health Summary (APCH)	APCH*2.0*17	This patch includes a published entry point that iCare calls to calculate each reminder for every living patient, which is then stored in the ICARE PATIENT file.
IHS Clinical Reporting (BGP)	BGP*8.0*3	iCare requires the latest version of the Clinical Reporting System (CRS) to calculate National Measures data.

3.2 System Requirements

Module	Minimum Version
VA FileMan (DI)	v22.0 Patch 1002
VA Kernel (XU)	v8.0 Patch 1015
BMXNet (BMX)	v2.0
IHS/VA Utilities (XB)	v3.0 through Patch 11
PIMS	v5.3 through Patch 1008
BGP	V8.0 through Patch 3
PCC Data Entry (APCD)	v2.0 through Patch 10
APCH	v2.0 through Patch 17
Q-Man (AMQQ)	v2.0 through Patch 21
Taxonomy (ATX)	v5.1 through Patch 10
HIV Management System (BKM)	v1.0 through Patch 3
IHS Asthma Register (BAT)	v1.0
IHS PCC Suite (BJPC)	v1.0 Patch 1
Referred Care Info System (BMC)	v4.0 Patch 3

3.3 Package-Wide Variables

There are no package-wide HMS (BKM) variables.

3.4 Security Keys

Key Name	Description
BKMVZMENU	This key must be held by anyone wishing to enter the register management system
BKMVZRD	This key is required for an HMS register reader. This key allows a user read-only access to the HMS application.
BKMVZED	This key is given to an HMS register authorized editor (user can read, enter, and change data).

4.0 Menu Diagram

Currently, the following menus are used for the HMS. Once HMS has been turned off in RPMS, these menu options will be marked as CANNOT ACCESS HMS VIA RPMS - USE ICARE.

HIV MANAGEMENT SYSTEM

PAT Patient Management ...
 REC Review/Edit Patient HMS Record Data
 SUP Produce HMS Supplement/Health Summary For Patient
 REM Clinical Reminders For Patients
 REP Reports...
 RML Register Master List
 QC Quality Of Care Audit
 DO Due/Overdue
 GUID Print/Display Provider Guidelines
 SRS State Reporting Status
 SSR State Surveillance

REG Register Management...

ADD Manually Add Patients
 REP Reports...
 RML Register Master List
 QC Quality Of Care Audit
 DO Due/Overdue
 GUID Print/Display Provider Guidelines
 SRS State Reporting Status
 SSR State Surveillance

MU Manager Utilities...
 US User Account Setup
 TX Taxonomy Setup
 TXCH Taxonomy Check
 SPS Site Parameter Setup
 POP Populate Register...
 APR Auto Populate Register

PRQ Populate Register From Q-Man Template
 ARS Auto Populate Run Status
 REV Review Candidates
 NOT Not Accepted/Removed Candidates List
 DEL Delete Register Patients
 AUD Audit Menu...
 CP Print a Cumulative Audit Report
 OA Print Option Access Audit Report
 PP Print an Audit Trail for One Register Patient
 PR Print an Audit Trail for One Register

UP Print an Audit Trail of a User

5.0 Routines

5.1 Routine List

BKMAPG	BKMATX	BKMATXA	BKMATXB	BKMATXC	BKMATXD
BKMATXE	BKMATXF	BKMATXG	BKMATXH	BKMATXI	BKMATXJ
BKMATXK	BKMATXL	BKMATXM	BKMATXN	BKMATXO	BKMATXP
BKMATXQ	BKMATXR	BKMATXS	BKMATXT	BKMATXU	BKMATXV
BKMATXW	BKMBTX	BKMBTXA	BKMBTXB	BKMBTXC	BKMBTXD
BKMBTXE	BKMBTXF	BKMBTXG	BKMBTXGB	BKMBTXGC	BKMBTXH
BKMBTXI	BKMBTXJ	BKMBTXK	BKMBTXL	BKMBTXM	BKMBTXN
BKMBTXO	BKMBTXP	BKMBTXPB	BKMBTXQ	BKMBTXR	BKMBTXS
BKMBTXT	BKMBTXU	BKMBTXV	BKMBTXW	BKMBTXX	BKMBTXXB
BKMBTXY	BKMCC1	BKMCRS	BKMCTX	BKMCTXA	BKMCTXB
BKMCTXC	BKMCTXD	BKMCTXE	BKMCTXF	BKMCTXG	BKMCTXH
BKMCTXI	BKMCTXJ	BKMCTXK	BKMCTXL	BKMCTXM	BKMCTXN
BKMCTXO	BKMCTXP	BKMCTXQ	BKMCTXR	BKMCTXS	BKMCTXSB
BKMCTXT	BKMCTXU	BKMCTXV	BKMCTXW	BKMCTXX	BKMDTX
BKMDTXA	BKMDTXB	BKMDTXBB	BKMDTXC	BKMDTXD	BKMDTXDB
BKMDTXDC	BKMDTXDD	BKMDTXDE	BKMDTXDF	BKMDTXE	BKMDTXEB
BKMDTXF	BKMDTXG	BKMDTXH	BKMDTXI	BKMDTXJ	BKMDTXK
BKMDTXKB	BKMDTXL	BKMDTXM	BKMDTXN	BKMDTXO	BKMDTXOB
BKMDTXP	BKMDTXPB	BKMDTXQ	BKMDTXR	BKMED	BKMETX
BKMETXA	BKMETXB	BKMETXBB	BKMETXC	BKMETXD	BKMETXE
BKMETXEB	BKMETXEC	BKMETXED	BKMETXEE	BKMETXF	BKMETXG
BKMETXH	BKMETXI	BKMETXJ	BKMETXK	BKMETXL	BKMETXM
BKMETXN	BKMETXNB	BKMETXO	BKMETXP	BKMETXQ	BKMETXQB
BKMETXR	BKMETXRB	BKMETXS	BKMETXT	BKMETXU	BKMETXV
BKMETXW	BKMETXX	BKMETXY	BKMETXZ	BKMFTX	BKMFTXA
BKMFTXB	BKMFTXC	BKMFTXD	BKMFTXE	BKMFTXF	BKMFTXG
BKMFTXH	BKMFTXI	BKMFTXJ	BKMFTXK	BKMFTXL	BKMFTXM
BKMFTXN	BKMFTXO	BKMFTXP	BKMFTXQ	BKMFTXR	BKMFTXS
BKMFTXT	BKMFTXU	BKMFTXV	BKMFTXW	BKMFTXX	BKMFTXXB
BKMFTXY	BKMFTXZ	BKMGTX	BKMGTXA	BKMGTXB	BKMGTXC
BKMGTXD	BKMIDTF	BKMIHSM	BKMILK	BKMIMRP	BKMIMRP1
BKMIMRP2	BKMIMRP3	BKMIPDR	BKMIPRIV	BKMIRML	BKMIRML1
BKMIXX	BKMIXX1	BKMIXX2	BKMIXX3	BKMIXX4	BKMIXX5
BKMNTEG	BKMNTEG0	BKMNTEG1	BKMOFF	BKMPLK	BKMPLK1
BKMPLK1I	BKMPLKB	BKMPLKH	BKMPLKI	BKMPLKID	BKMPLKP
BKMPLKUT	BKMPLKZ	BKMQDOD	BKMQDOD1	BKMQDOD2	BKMQDOD3
BKMQDOD4	BKMQQCR	BKMQQCR1	BKMQQCR2	BKMQQCR3	BKMQQCR4
BKMQQCR5	BKMQQCR6	BKMQQCR7	BKMQQCR8	BKMQQCR9	BKMQQCRA
BKMQSSR	BKMQSSR1	BKMQSSR2	BKMQSSR3	BKMQSSR4	BKMQSSR5
BKMQSSR6	BKMQUTL	BKMRMDR	BKMRMED	BKMRMEX	BKMRMIM
BKMRMLB	BKMRMLB1	BKMRMWH	BKMSTI	BKMSTID1	BKMSTID2
BKMSTIDS	BKMSUPP	BKMSUPP1	BKMSUPP2	BKMSUPP3	BKMSUPP4
BKMSUPP5	BKMTX	BKMTXA	BKMTXB	BKMTXC	BKMTXD
BKMTXE	BKMTXF	BKMTXG	BKMTXH	BKMTXI	BKMTXJ
BKMTXK	BKMTXKB	BKMTXL	BKMTXM	BKMTXN	BKMTXO

BKMTXP	BKMTXQ	BKMTXR	BKMTXRB	BKMTXRC	BKMTXS
BKMTXT	BKMTXU	BKMTXV	BKMTXW	BKMTXX	BKMTXY
BKMTXZ	BKMUL3	BKMVA1	BKMVA1A	BKMVA1B	BKMVA1C
BKMVA1U	BKMVA2	BKMVA4	BKMVA41	BKMVA5	BKMVA51
BKMVA6	BKMVA61	BKMVA9	BKMVAUC	BKMVAUD	BKMVAUD1
BKMVAUD2	BKMVAUDN	BKMVAUP	BKMVAUP1	BKMVAUPO	BKMVAUTR
BKMVB0	BKMVB1	BKMVB2	BKMVC0	BKMVC1	BKMVC10
BKMVC11	BKMVC12	BKMVC2	BKMVC3	BKMVC4	BKMVC5
BKMVC6	BKMVC7	BKMVC8	BKMVC9	BKMVCD	BKMVD1
BKMVD11	BKMVD2	BKMVD21	BKMVD3	BKMVD31	BKMVD4
BKMVD41	BKMVD5	BKMVD51	BKMVD6	BKMVD61	BKMVD7
BKMVD71	BKMVD8	BKMVD81	BKMVDIC	BKMVDOD	BKMVDOD1
BKMVDOD4	BKMVDOD8	BKMVF1	BKMVF3	BKMVF31	BKMVF32
BKMVF33	BKMVF4	BKMVF5	BKMVFAP1	BKMVFAP1	BKMVFAP1
BKMVFMP1	BKMVIST3	BKMVIST4	BKMVIST5	BKMVLC	BKMVLN
BKMVLP	BKMVNAR	BKMVND	BKMVPG	BKMVPGP	BKMVPGP1
BKMVQCR	BKMVQCR1	BKMVQCR2	BKMVQCR3	BKMVQCR4	BKMVQCR5
BKMVQCR6	BKMVQCR7	BKMVQCR8	BKMVQCR9	BKMVQCRA	BKMVSCD
BKMVSRP	BKMVSRP1	BKMVSSR	BKMVSSR1	BKMVSSR2	BKMVSSR3
BKMVSSR4	BKMVSSR5	BKMVSSR6	BKMVSUP	BKMVSUP1	BKMVSUP2
BKMVSUP3	BKMVSUP4	BKMVSUP5	BKMVSUP6	BKMVTAX	BKMVTAX0
BKMVTAX1	BKMVTAX2	BKMVTAX4	BKMVUTL		

5.2 Routines with Description

Routine	Description
BKMAPG	Purge Audit File entries
BKMATX	Calls to load data into the Taxonomy file
BKMATXA	Loads BKM SYPHILIS DXS into the Taxonomy file
BKMATXB	Loads BKM TRICHOMONIASIS DXS into the Taxonomy file
BKMATXC	Loads BKM FAMILY PLANNING POV into the Taxonomy file
BKMATXD	Loads BKMV HIV ED DXS into the Taxonomy file
BKMATXE	Loads BKMV STD ED DXS into the Taxonomy file
BKMATXF	Loads BKM BCG IZ PROCEDURE into the Taxonomy file
BKMATXG	Loads BKM TETANUS IZ DXS into the Taxonomy file
BKMATXH	Loads BKM TETANUS IZ PROCEDURES into the Taxonomy file
BKMATXI	Loads BKM OTHER SUBSTANCE ABUSE DXS into the Taxonomy file
BKMATXJ	Loads BKM PPD International Classification of Disease (ICDS) into the Taxonomy file
BKMATXK	Loads BKM CMV LOINC CODES into the Taxonomy file

Routine	Description
BKMATXL	Loads BKM FTA-ABS LOINC CODES into the Taxonomy file
BKMATXM	Loads BKM GONORRHEA LOINC CODES into the Taxonomy file
BKMATXN	Loads BKM HEP PANEL LOINC CODES into the Taxonomy file
BKMATXO	Loads BKM HEP B LOINC CODES into the Taxonomy file
BKMATXP	Loads BKM HEP C EIA LOINC CODES into the Taxonomy file
BKMATXQ	Loads BKM HEP C RIBA LOINC CODES into the Taxonomy file
BKMATXR	Loads BKM PPD LOINC CODES into the Taxonomy file
BKMATXS	Loads BKM RPR LOINC CODES into the Taxonomy file
BKMATXT	Loads BKM TOXOPLASMOSIS LOINC CODES into the Taxonomy file
BKMATXU	Loads BKM TRICH LOINC CODES into the Taxonomy file
BKMATXV	Loads BGP TOBACCO USER HLTH FACTORS into the Taxonomy file
BKMATXW	Loads BKM SAFE SEX ED CODES into the Taxonomy file
BKMBTX	Calls to Load data into the Taxonomy file
BKMBTXA	Loads BGP FLU IZ CVX CODES into the Taxonomy file
BKMBTXB	Loads BKM PNEUMO IZ CVX CODES into the Taxonomy file
BKMBTXC	Loads BKM TETANUS IZ CVX CODES into the Taxonomy file
BKMBTXD	Loads BKMV FI MED NDCS into the Taxonomy file
BKMBTXE	Loads BKMV MAC PROPH MED NDCS into the Taxonomy file
BKMBTXF	Loads BKMV NNRTI MED NDCS into the Taxonomy file
BKMBTXG	Loads BKMV NNRTI MED NDCS into the Taxonomy file
BKMBTXGB	Applies taxonomies to the build package
BKMBTXGC	Applies taxonomies to the build package
BKMBTXH	Loads BKMV PCP PROPH MED NDCS into the Taxonomy file
BKMBTXI	Loads BKMV PI MED NDCS into the Taxonomy file
BKMBTXJ	Loads BKM SYPHILIS MED NDCS into the Taxonomy file

Routine	Description
BKMBTXK	Loads BKM TB MED NDCS into the Taxonomy file
BKMBTXL	Loads BGP TOBACCO USE HLTH FACTORS into the Taxonomy file
BKMBTXM	Loads BKM PPD CVX CODES into the Taxonomy file
BKMBTXN	Loads BKM CHLAMYDIA DXS into the Taxonomy file
BKMBTXO	Loads BKMV AIDS EXP DXS into the Taxonomy file
BKMBTXP	Loads BKM GONORRHEA DXS into the Taxonomy file
BKMBTXPB	Applies taxonomies to the build package
BKMBTXQ	Loads BKM HEP B DXS into the Taxonomy file
BKMBTXR	Loads BKM HEP A DXS into the Taxonomy file
BKMBTXS	Loads BKM HEP C DXS into the Taxonomy file
BKMBTXT	Loads BKMV HIV OPP INF DXS into the Taxonomy file
BKMBTXU	Loads BKM OTHER STD DXS into the Taxonomy file
BKMBTXV	Loads BKM SYPHILIS DXS into the Taxonomy file
BKMBTXW	Loads BKM TRICHOMONIASIS DXS into the Taxonomy file
BKMBTXX	Loads BKM FAMILY PLANNING POV into the Taxonomy file
BKMBTXXB	Applies taxonomies to the build package
BKMBTXY	Loads BKMV HIV ED DXS into the Taxonomy file
BKMCC1	CVD Taxonomy Check
BKMCRS	Checks lab, CPT4, ICD9, LOINC, and refusals that meet STI definition
BKMCTX	Calls to Load data into the Taxonomy file
BKMCTXA	Loads BKM HEP C DXS into the Taxonomy file
BKMCTXB	Loads BKM TOXOPLASMOSIS LOINC CODES into the Taxonomy file
BKMCTXC	Loads BKM RPR LOINC CODES into the Taxonomy file
BKMCTXD	Loads BKM PPD CVX CODES into the Taxonomy file
BKMCTXE	Loads BKM PPD LOINC CODES into the Taxonomy file
BKMCTXF	Loads BKM HEP C RIBA LOINC CODES into the Taxonomy file
BKMCTXG	Loads BKM HEP C EIA LOINC CODES into the Taxonomy file
BKMCTXH	Loads BKM HEP B LOINC CODES into the Taxonomy file
BKMCTXI	Loads BKM HEP PANEL LOINC CODES into the Taxonomy file

Routine	Description
BKMCTXJ	Loads BKM GONORRHEA LOINC CODES into the Taxonomy file
BKMCTXK	Loads BKM CMV LOINC CODES into the Taxonomy file
BKMCTXL	Loads BGP TOBACCO USE HLTH FACTORS into the Taxonomy file
BKMCTXM	Loads BKM TB MED NDCS into the Taxonomy file
BKMCTXN	Loads BKM SYPHILIS MED NDCS into the Taxonomy file
BKMCTXO	Loads BKMV PI MED NDCS into the Taxonomy file
BKMCTXP	Loads BKMV PCP PROPH MED NDCS into the Taxonomy file
BKMCTXQ	Loads BKMV NRTI MED NDCS into the Taxonomy file
BKMCTXR	Loads BKMV NNRTI MED NDCS into the Taxonomy file
BKMCTXS	Loads BKMV MAC PROPH MED NDCS into the Taxonomy file
BKMCTXSB	Applies taxonomies to the build package
BKMCTXT	Loads BKMV FI MED NDCS into the Taxonomy file
BKMCTXU	Loads BKM TETANUS IZ CVX CODES into the Taxonomy file
BKMCTXV	Loads BKM PNEUMO IZ CVX CODES into the Taxonomy file
BKMCTXW	Loads BGP FLU IZ CVX CODES into the Taxonomy file
BKMCTXX	Loads BKM HEP B IZ CVX CODES into the Taxonomy file
BKMDTX	Calls to Load data into the Taxonomy file
BKMDTXA	Loads BKM BCG IZ PROCEDURE into the Taxonomy file
BKMDTXB	Loads BKM BCG IZ Current Procedural Terminologies (CPTS) into the Taxonomy file
BKMDTXBB	Applies taxonomies to the build package
BKMDTXC	Loads BKM CMV IZ CPTS into the Taxonomy file
BKMDTXD	Applies taxonomies to the build package
BKMDTXDB	Loads BKM HEP A IZ CPTS into the Taxonomy file
BKMDTXDC	Applies taxonomies to the build package
BKMDTXDD	Applies taxonomies to the build package
BKMDTXDE	Applies taxonomies to the build package
BKMDTXDF	Applies taxonomies to the build package
BKMDTXE	Loads BKM HEP B IZ CPTS into the Taxonomy file
BKMDTXEB	Applies taxonomies to the build package

Routine	Description
BKMDTXF	Loads BGP FLU IZ DXS into the Taxonomy file
BKMDTXG	Loads BGP FLU IZ PROCEDURES into the Taxonomy file
BKMDTXH	Loads BGP PNEUMO IZ DXS into the Taxonomy file
BKMDTXI	Loads BGP PNEUMO IZ CPTS into the Taxonomy file
BKMDTXJ	Loads BKM TETANUS IZ DXS into the Taxonomy file
BKMDTXK	Loads BKM TETANUS IZ CPTS into the Taxonomy file
BKMDTXKB	Applies taxonomies to the build package
BKMDTXL	Loads BKM TETANUS IZ PROCEDURES into the Taxonomy file
BKMDTXM	Loads BGP HYSTERECTOMY PROCEDURES into the Taxonomy file
BKMDTXN	Loads BGP MAMMOGRAM ICDS into the Taxonomy file
BKMDTXO	Loads BGP MAMMOGRAM PROCEDURES into the Taxonomy file
BKMDTXOB	Applies taxonomies to the build package
BKMDTXP	Loads BGP ALCOHOL SCREEN ICDS into the Taxonomy file
BKMDTXPB	Applies taxonomies to the build package
BKMDTXQ	Loads BGP DEPRESSION SCREEN ICDS into the Taxonomy file
BKMDTXR	Loads BKM OTHER SUBSTANCE ABUSE DXS into the Taxonomy file
BKME	Update last edit date/time in file 90451
BKMETX	Taxonomy program created by ^ATXSTX
BKMETXA	Taxonomy program created by ^ATXSTX
BKMETXB	Taxonomy program created by ^ATXSTX
BKMETXBB	Taxonomy program created by ^ATXSTX
BKMETXC	Taxonomy program created by ^ATXSTX
BKMETXD	Taxonomy program created by ^ATXSTX
BKMETXE	Taxonomy program created by ^ATXSTX
BKMETXEB	Taxonomy program created by ^ATXSTX
BKMETXEC	Taxonomy program created by ^ATXSTX
BKMETXED	Taxonomy program created by ^ATXSTX
BKMETXEE	Taxonomy program created by ^ATXSTX
BKMETXF	Taxonomy program created by ^ATXSTX
BKMETXG	Taxonomy program created by ^ATXSTX

Routine	Description
BKMETXH	Taxonomy program created by ^ATXSTX
BKMETXI	Taxonomy program created by ^ATXSTX
BKMETXJ	Taxonomy program created by ^ATXSTX
BKMETXK	Taxonomy program created by ^ATXSTX
BKMETXL	Taxonomy program created by ^ATXSTX
BKMETXM	Taxonomy program created by ^ATXSTX
BKMETXN	Taxonomy program created by ^ATXSTX
BKMETXNB	Taxonomy program created by ^ATXSTX
BKMETXO	Taxonomy program created by ^ATXSTX
BKMETXP	Taxonomy program created by ^ATXSTX
BKMETXQ	Taxonomy program created by ^ATXSTX
BKMETXQB	Taxonomy program created by ^ATXSTX
BKMETXR	Taxonomy program created by ^ATXSTX
BKMETXRB	Taxonomy program created by ^ATXSTX
BKMETXS	Taxonomy program created by ^ATXSTX
BKMETXT	Taxonomy program created by ^ATXSTX
BKMETXU	Taxonomy program created by ^ATXSTX
BKMETXV	Taxonomy program created by ^ATXSTX
BKMETXW	Taxonomy program created by ^ATXSTX
BKMETXX	Taxonomy program created by ^ATXSTX
BKMETXY	Taxonomy program created by ^ATXSTX
BKMETXZ	Taxonomy program created by ^ATXSTX
BKMFTX	Taxonomy program created by ^ATXSTX
BKMFTXA	Taxonomy program created by ^ATXSTX
BKMFTXB	Taxonomy program created by ^ATXSTX
BKMFTXC	Taxonomy program created by ^ATXSTX
BKMFTXD	Taxonomy program created by ^ATXSTX
BKMFTXE	Taxonomy program created by ^ATXSTX
BKMFTXF	Taxonomy program created by ^ATXSTX
BKMFTXG	Taxonomy program created by ^ATXSTX
BKMFTXH	Taxonomy program created by ^ATXSTX
BKMFTXI	Taxonomy program created by ^ATXSTX
BKMFTXJ	Taxonomy program created by ^ATXSTX
BKMFTXK	Taxonomy program created by ^ATXSTX
BKMFTXL	Taxonomy program created by ^ATXSTX

Routine	Description
BKMFTXM	Taxonomy program created by ^ATXSTX
BKMFTXN	Taxonomy program created by ^ATXSTX
BKMFTXO	Taxonomy program created by ^ATXSTX
BKMFTXP	Taxonomy program created by ^ATXSTX
BKMFTXQ	Taxonomy program created by ^ATXSTX
BKMFTXR	Taxonomy program created by ^ATXSTX
BKMFTXS	Taxonomy program created by ^ATXSTX
BKMFTXT	Taxonomy program created by ^ATXSTX
BKMFTXU	Taxonomy program created by ^ATXSTX
BKMFTXV	Taxonomy program created by ^ATXSTX
BKMFTXW	Taxonomy program created by ^ATXSTX
BKMFTXX	Taxonomy program created by ^ATXSTX
BKMFTXXB	Taxonomy program created by ^ATXSTX
BKMFTXY	Taxonomy program created by ^ATXSTX
BKMFTXZ	Taxonomy program created by ^ATXSTX
BKMGTX	Taxonomy program created by ^ATXSTX
BKMGTXA	Taxonomy program created by ^ATXSTX
BKMGTXB	Taxonomy program created by ^ATXSTX
BKMGTXC	Taxonomy program created by ^ATXSTX
BKMGTXD	Taxonomy program created by ^ATXSTX
BKMIDTF	BKMV utility program
BKMIHSM	BKM Health Summary Creation routine
BKMILK	Lookup Routine for iCare Registry
BKMIMRP	Patient Visit report
BKMIMRP1	Patient Visit report
BKMIMRP2	Patient Visit report
BKMIMRP3	Patient Visit report
BKMIPDR	Patient Diagnosis report
BKMIPRIV	Privacy Act splash screen
BKMIRML	Register Master List report
BKMIRML1	Register Master List report
BKMIXX	Taxonomy Access Utilities
BKMIXX1	Taxonomy/Patient Check Utilities
BKMIXX2	Taxonomy/Patient Check Utilities
BKMIXX3	Taxonomy/Patient Check Utilities

Routine	Description
BKMIXX4	Taxonomy/Patient Check Utilities
BKMIXX5	Taxonomy/Patient Check Utilities
BKMNTEG	BKM package checksum checker
BKMNTEG0	BKM package checksum checker
BKMNTEG1	BKM package checksum checker
BKMOFF	Program that turns off the HMS menu options
BKMPLK	Register Patient Lookup
BKMPLK1	Register Patient Lookup
BKMPLK1I	Register Patient Lookup
BKMPLKB	Register Patient Lookup
BKMPLKH	Help text for Register Patient Lookup
BKMPLKI	Register Patient Lookup
BKMPLKID	Registry Patient Lookup identifiers
BKMPLKP	Register Patient Lookup
BKMPLKUT	Register Patient Lookup utilities
BKMPLKZ	Register Patient Lookup
BKMQDOD	Noninteractive Due/Overdue report
BKMQDOD1	Noninteractive Due/Overdue report
BKMQDOD2	Noninteractive Due/Overdue report
BKMQDOD3	Noninteractive Due/Overdue report
BKMQDOD4	Noninteractive Due/Overdue report
BKMQQCR	Noninteractive Quality of Care report called by iCare RPCs
BKMQQCR1	Noninteractive Quality of Care report called by iCare RPCs
BKMQQCR2	Noninteractive Quality of Care report called by iCare RPCs
BKMQQCR3	Noninteractive Quality of Care report called by iCare RPCs
BKMQQCR4	Noninteractive Quality of Care report called by iCare RPCs
BKMQQCR5	Noninteractive Quality of Care report called by iCare RPCs
BKMQQCR6	Noninteractive Quality of Care report called by iCare RPCs
BKMQQCR7	Noninteractive Quality of Care report called by iCare RPCs

Routine	Description
BKMQQCR8	Noninteractive Quality of Care report called by iCare RPCs
BKMQQCR9	Noninteractive Quality of Care report called by iCare RPCs
BKMQQCRA	Noninteractive Quality of Care report called by iCare RPCs
BKMQSSR	Noninteractive State Surveillance report called by iCare RPCs
BKMQSSR1	Noninteractive State Surveillance report called by iCare RPCs
BKMQSSR2	Noninteractive State Surveillance report called by iCare RPCs
BKMQSSR3	Noninteractive State Surveillance report called by iCare RPCs
BKMQSSR4	Noninteractive State Surveillance report called by iCare RPCs
BKMQSSR5	Noninteractive State Surveillance report called by iCare RPCs
BKMQSSR6	Noninteractive State Surveillance report called by iCare RPCs
BKMQUTL	HMS Report Utilities
BKMRMDR	PEP to return Sexually Transmitted Infections (STI) incidences
BKMRMED	HMS education reminders
BKMRMEX	HMS exam reminders
BKMRMIM	HMS immunization reminders
BKMRMLB	HMS lab reminders
BKMRMLB1	HMS lab reminders
BKMRMWH	HMS women's health reminders
BKMSTI	Sexually Transmitted Infection screening
BKMSTID1	STI Display
BKMSTID2	STI Display
BKMSTIDS	STI Incidences
BKMSUPP	HMS Supplement
BKMSUPP1	HMS Supplement
BKMSUPP2	HMS Supplement
BKMSUPP3	HMS Supplement
BKMSUPP4	HMS Supplement
BKMSUPP5	HMS Supplement

Routine	Description
BKMTX	Calls to Load data into the Taxonomy file
BKMTXA	Loads BKM PPD ICDS into the Taxonomy file
BKMTXB	Loads BKM BCG IZ CPTS into the Taxonomy file
BKMTXC	Loads BKM CMV IZ CPTS into the Taxonomy file
BKMTXD	Loads BKM HEP A IZ CPTS into the Taxonomy file
BKMTXE	Loads BKM HEP B IZ CPTS into the Taxonomy file
BKMTXF	Loads BKM TETANUS IZ CPTS into the Taxonomy file
BKMTXG	Loads BKM CMV TEST CPTS into the Taxonomy file
BKMTXH	Loads BKM COCCI ANTIBODY CPTS into the Taxonomy file
BKMTXI	Loads BKM FTA-ABS CPTS into the Taxonomy file
BKMTXJ	Loads BKM GONORRHEA TESTS CPTS into the Taxonomy file
BKMTXK	Loads BKM HEPATITIS PANEL CPTS into the Taxonomy file
BKMTXKB	Applies taxonomies to the build package
BKMTXL	Loads BKM HEP B TESTS CPTS into the Taxonomy file
BKMTXM	Loads BKM HEP C EIA TESTS CPTS into the Taxonomy file
BKMTXN	Loads BKM HEP C RIBA TESTS CPTS into the Taxonomy file
BKMTXO	Loads BKM RPR CPTS into the Taxonomy file
BKMTXP	Loads BKM TOXOPLASMOSIS CPTS into the Taxonomy file
BKMTXQ	Loads BKMV AIDS DEF ILL DXS into the Taxonomy file
BKMTXR	Loads BKM TOXOPLASMOSIS CPTS into the Taxonomy file
BKMTXRB	Applies taxonomies to the build package
BKMTXRC	Applies taxonomies to the build package
BKMTXS	Loads BKM CHLAMYDIA DXS into the Taxonomy file
BKMTXT	Loads BKMV AIDS EXP DXS into the Taxonomy file
BKMTXU	Loads BKM GONORRHEA DXS into the Taxonomy file
BKMTXV	Loads BKM HEP A DXS into the Taxonomy file
BKMTXW	Loads BKM HEP B DXS into the Taxonomy file
BKMTXX	Loads BKM HEP C DXS into the Taxonomy file
BKMTXY	Loads BKMV HIV OPP INF DXS into the Taxonomy file
BKMTXZ	Loads BKM OTHER STD DXS into the Taxonomy file

Routine	Description
BKMUL3	Code set versioning utilities that call the standard code set versioning APIs
BKMVA1	Patient Register Screens
BKMVA1A	Patient Register Screens
BKMVA1B	Patient Register Screens
BKMVA1C	Patient Register Screens
BKMVA1U	Patient Register Utilities
BKMVA2	Patient Register Screens
BKMVA4	Patient Register Screens
BKMVA4	Patient Register Screens
BKMVA5	Patient Register Screens
BKMVA5	Patient Register Screens
BKMVA6	Patient Register Screens
BKMVA61	Patient Register Screens
BKMVA9	Patient Register Screens
BKMVAUC	Control Audit Printout
BKMVAUD	Audit File Build
BKMVAUD1	Audit Capture
BKMVAUD2	Audit Capture
BKMVAUDN	Update HMS Audit file with additions and deletions to HMS Registry
BKMVAUP	Audit Print
BKMVAUP1	Audit Print
BKMVAUPO	Audit Print
BKMVAUTR	Audit Print
BKMVB0	Patient Record highly active antiretroviral therapy (HAART) Data
BKMVB1	Patient Record HAART Data
BKMVB2	Patient Record HAART Data
BKMVC0	Patient Ed Review
BKMVC1	Taxonomy Check
BKMVC10	Patient Record Appointment Review
BKMVC11	Patient Record Allergy Review
BKMVC12	Patient Record Problem List Review
BKMVC2	Patient Lab Review
BKMVC3	Patient Med Review

Routine	Description
BKMVC4	User Maintenance
BKMVC5	Patient Record Edit (Unreviewed Status)
BKMVC6	Opp. Inf. And AIDS Defining Illnesses
BKMVC7	Patient Record Etiology
BKMVC8	Patient Record Reminders
BKMVC9	Patient Record Radiology Review
BKMVCD	HMS Candidate Detail
BKMVD1	V-File Elder Care Add/Edit/Delete
BKMVD11	V-File Elder Care Review History
BKMVD2	V-File Exam Add/Edit/Delete
BKMVD21	V-File Exam Review History
BKMVD3	V-File Health Factors Add/Edit/Delete
BKMVD31	V-File Health Factors Review History
BKMVD4	V-File Measurement Add/Edit/Delete
BKMVD41	V-File Measurement Review History
BKMVD5	V-File Procedure Add/Edit/Delete
BKMVD51	V-File Procedure Review History
BKMVD6	V-File Radiology Add/Edit/Delete
BKMVD61	V-File Radiology Review History
BKMVD7	V-File Skin Add/Edit/Delete
BKMVD71	V-File Skin Review History
BKMVD8	V-File Immunology Add/Edit/Delete
BKMVD81	V-File Immunology Review History
BKMVDIC	FileMan Interface Utilities
BKMVDOD	Due/Overdue Report
BKMVDOD1	Due/Overdue Report
BKMVDOD4	Due/Overdue Report
BKMVDOD8	Due/Overdue Report
BKMVF1	Manually Add Patient To Register
BKMVF3	Reminders From Patient Record and Menu Tree
BKMVF31	Reminders From Patient Record and Menu Tree
BKMVF32	Reminders From Patient Record and Menu Tree
BKMVF33	Reminders From Patient Record and Menu Tree
BKMVF4	Auto-Populate Register using Q-Man
BKMVF5	"Add Patient data

Routine	Description
BKMVFAP1	Auto-populate Candidate file
BKMVFAP1	Auto-Populate Candidate file
BKMVFLD	Audit Utilities
BKMVFMP1	Manually Populate Registry
BKMVIST3	Save V-File data to file 90459
BKMVIST4	Save V-File data to file 90451.1 and file 90459
BKMVIST5	Update HMS using the V-Files, PCC
BKMVLC	Candidate List
BKMVLN	Not Accepted List
BKMVLP	Processing for BKMV LIST PATIENTS
BKMVNAR	Review/Edit Not Accepted Patients
BKMVND	Not Accepted Detail
BKMVPG	Processing for BKMV GUIDELINES ListMan
BKMVPGP	Provider Guidelines Print/Display
BKMVPGP1	Provider Guidelines Print/Display
BKMVQCR	Quality of Care Audit Report
BKMVQCR1	Quality of Care Audit Report
BKMVQCR2	Quality of Care Audit Report
BKMVQCR3	Quality of Care Audit Report
BKMVQCR4	Quality of Care Audit Report
BKMVQCR5	Quality of Care Audit Report
BKMVQCR6	Quality of Care Audit Report
BKMVQCR7	Quality of Care Audit Report
BKMVQCR8	Quality of Care Audit Report
BKMVQCR9	Quality of Care Audit Report
BKMVQCRA	Quality of Care Audit Report
BKMVSCD	Schedule/Reschedule Auto-Populate Process
BKMVSRP	HMS State Reporting Status Report
BKMVSRP1	HMS State Reporting Status Report
BKMVSSR	State Surveillance Report
BKMVSSR1	State Surveillance Report
BKMVSSR2	State Surveillance Report
BKMVSSR3	State Surveillance Report Print
BKMVSSR4	State Surveillance Report Print
BKMVSSR5	State Surveillance Report Print

Routine	Description
BKMVSSR6	State Surveillance Report Print
BKMVSUP	Noninteractive HMS Supplement
BKMVSUP1	Noninteractive HMS Supplement
BKMVSUP2	Noninteractive HMS Supplement
BKMVSUP3	Noninteractive HMS Supplement
BKMVSUP4	Noninteractive HMS Supplement
BKMVSUP5	Noninteractive HMS Supplement
BKMVSUP6	Noninteractive HMS Supplement
BKMVTAX	Taxonomy Report
BKMVTAX0	Taxonomy Management
BKMVTAX1	Taxonomy Management
BKMVTAX2	Taxonomy Management
BKMVTAX4	Taxonomy Management
BKMVUTL	HIV Utilities

5.3 Function List

5.3.1 \$\$DATE^BKMIDTF(BKMIDT)

This function returns external date of MM/DD/YYYY when given a date in FileMan format.

- Input Parameter Description:
 - BKMIDT: FileMan Date
- Output Description:
 - BKMDT: Returns date in MM/DD/YYYY format

5.3.2 \$\$AA^BKMIMRP(TYPE)

This function asks the user whether they want to select another sort or search parameter.

- Input Parameter Description:
 - TYPE:
 - 1 – Select Another Search Parameter?
 - 2 – Select Another Sort Parameter?

- Output Description:
 - Returns 1 if Yes, 0 if No, and a caret (^) if timeout or user types caret (^).

5.3.3 **\$\$DTRNG^BKMIMRP()**

This function prompts the user for a start date, and returns the date in FileMan format.

- Input Parameter Description:
 - n/a
- Output Description:
 - BDATE: Date returned in FileMan format.

5.3.4 **\$\$DTRNG2^BKMIMRP()**

This function prompts the user for an end date, and returns the date in FileMan format.

- Input Parameter Description:
 - EXTDT: Default date
 - BDATE: Start date (used for validation purposes)
- Output Description:
 - EDATE: Date returned in FileMan format.

5.3.5 **\$\$FORGETIT^BKMIMRP()**

This function prompts the user as to whether or not they wish to quit the report completely.

- Input Parameter Description:
 - n/a
- Output Description:
 - Returns a '1' (Yes) or a caret (^) if the user wishes to quit, a '0' (No) if the user does not wish to quit

5.3.6 **\$\$AGE^BKMIMRP1 (DFN)**

This function uses a patient's date of birth (DOB) to calculate the age of the patient.

- Input Parameter Description:

- DFN: Patient’s internal entry number
- Output Description:
 - AGE: Returns age of patient.

5.3.7 **\$\$SPLASH^BKMIPRIV()**

This function displays the privacy act screen to the user and prompts the user to continue.

- Input Parameter Description:
 - n/a
- Output Description:
 - Returns a ‘1’ if the user wishes to continue and agrees to the privacy statement, a ‘0’ if the user does not agree to the privacy statement

5.3.8 **\$\$BASETMP^BKMIXX3(DFN)**

This function builds a global array containing Patient Name, Health Record Number (HRN), DOB, Sex, Age, and Marital Status.

- Input Parameter Description:
 - DFN: Patient’s internal entry number
- Output Description:
 - Returns a ‘1’ if the global array was successfully created, a ‘0’ if the global array was not created (failure)
- Format:
 - ^TMP(“BKMLKP”, \$J, DFN)=PatientName^HRN^DOB(internal)^Sex(internal)^Age(calculated)^MaritalStatus(internal)^Internal Entry Number(File 90451)

5.3.9 **\$\$BKMIEN^BKMIXX3(BKMDFN)**

This function returns the internal entry number in the HMS registry for the patient passed to the function.

- Input Parameter Description:
 - BKMDFN: Patient’s internal entry number
- Output Description:

- Returns the internal entry number for file 90451 (HMS REGISTRY) if one is found, and "" if nothing is found for the patient

5.3.10 **\$\$BKMPRIV^BKMIXX3(BKMDUZ)**

This function determines if the user has rights to add/edit in HMS.

- Input Parameter Description:
 - BKMDUZ: User's internal entry number
- Output Description:
 - Returns '1' unconditionally

5.3.11 **\$\$BKMREG^BKMIXX3(BKMIEN)**

Determines internal entry number for HMS registry in File 90451.01 based on 90451 internal entry number

- Input Parameter Description:
 - BKMIEN: Internal entry number from file 90451
- Output Description:
 - Returns the internal entry number if there is one, and "" if not

5.3.12 **\$\$DIAG^BKMIXX3(DEF)**

This function will prompt the user for a diagnosis.

- Input Parameter Description:
 - DEF: The current HMS Diagnosis category in 90451
- Output Description:
 - Internal value of selected item

5.3.13 **\$\$HIVIEN^BKMIXX3()**

This function returns the internal entry number of the HMS register.

- Input Parameter Description:
 - n/a
- Output Description:
 - Returns the internal entry number of the HMS register

5.3.14 **\$\$I^BKMIXX3(BKMVAR,BKMINC)**

This function is designed to simulate the \$I function included in Caché version 5, which sets the variable BKMVAR equal to the passed value of BKMVAR and added to the value of variable BKMINC. The first parameter must be called by reference to correctly mimic this functionality.

A null value for the first argument is permissible, unlike \$I, which would issue a <SYNTAX> error.

- Input Parameter Description:
 - BKMVAR: Number that will be added to a value, BKMINC, and will contain the resultant sum
 - BKMINC: The increment to be added
- Output Description:
 - Updates BKMVAR upon exit, since value was passed by reference

5.3.15 **\$\$PAUSE^BKMIXX3(PROMPT)**

This function prompts the user about whether or not they wish to continue (used mainly in reports).

- Input Parameter Description:
 - PROMPT: Prompt you wish the user to see (i.e., “Do you wish to continue?”)
- Output Description:
 - Returns a ‘1’ if the user wishes to quit, a ‘0’ or “^” if the user wants to continue

5.3.16 **\$\$VALID^BKMIXX3(BKMDUZ)**

Determines if the user is permitted in the HMS registry

- Input Parameter Description:
 - BKMDUZ: User’s internal entry number
- Output Description:
 - 1 yes
 - 0 no

5.3.17 **\$\$DX^BKMIXX4(PROMPT,MULT)**

This function prompts the user for a diagnosis (can be done multiple times).

- Input Parameter Description:
 - PROMPT: Prompt Text
 - MULT: 1 – Loop for multiple selection/0 – ask once then quit
- Output Description:
 - DXFLTR: Diagnosis value_”,”_description

5.3.18 **\$\$PAD^BKMIXX4(VAR,FB,CHAR,LEN)**

This function pads the variable passed in (VAR) to the length defined (LEN), and with the character (CHAR) identified in the parameters.

- Input Parameter Description:
 - VAR: Variable on which padding is to be performed
 - FB: “<” for Front, “>” for Back (pad to the left or right)
 - CHAR: Character used to pad with (normally spaces)
 - LEN: Length to pad to
- Output Description:
 - Returns the variable, with the padding included, to the specified length.

5.3.19 **\$\$PROMPT^BKMIXX4(PAR,OPTS,OPTA,FIRST,SECOND)**

Generic prompting function to use for HIV labs/all labs, HIV meds/all meds, etc. This function actually calls PROMPT2^BKMIXX4 to prompt for type, then prompts for date within PROMPT^BKMIXX4.

- Input Parameter Description:
 - PAR: Parameter for piece 1 of DIR(0)
 - OPTS: Array passed by reference containing the names of the options that ^DIR is to display
 - OPTA: DIR(“A”) value for prompt to the user
 - FIRST: Do we execute the first prompt? (\$\$PROMPT^BKMIXX4)
 - SECOND: Do we execute the second prompt? (\$\$PROMPT2^BKMIXX4)
- Output Description:
 - Returns a ‘1’ if the user wished to quit, a ‘0_Selection Name’ if the user makes a selection (i.e., HIV Related Labs or All Labs)

5.3.20 **\$\$PROMPT2^BKMIXX4(PAR,OPTS,OPTA,HELP)**

This function determines whether the user wants to look at HMS related patient information, or all patient information for Labs, Meds, and Immunizations.

- Input Parameter Description:
 - PAR: Parameter for piece 1 if DIR(0).
 - OPTS: Text to build menus for user.
 - OPTA: DIC(“A”) variable. This is used by ^DIC to prompt the user.
 - HELP: Optional help text to be displayed to the user.
- Output Description:
 - Returns value associated with entry in OPTS

5.3.21 **\$\$ICD^BKMIXX5(IEN,TXIEN,TYPE)**

Utility wrapper for calling \$\$ICD^ATXCHK

- Input Parameter Description:
 - IEN: Diagnosis internal entry number
 - TXIEN: Internal entry number of the taxonomy
 - TYPE: 9 (ICD), 0(PRC), 1 (CPT)
- Output Description:
 - 1: Diagnosis is located in taxonomy
 - 0: Diagnosis is not located in taxonomy

5.3.22 **\$\$HIVS^BKMRMDR(BKDFN,BKIDT,BKMEDT)**

This function identifies if the patient had an HIV/AIDS diagnosis (based on the BGP HIV/AIDS DXS taxonomy) during the specified date range.

- Input Parameter Description:
 - BKDFN: Patient’s internal entry number
 - BKIDT: Start date of search (if none, past starts from the beginning of time)
 - BKMEDT: End date of search
- Output Description:
 - Returns a ‘0’ if the patient did not have an HIV/AIDS diagnosis or a ‘1^’_POV dt_”POV: “_POV if patient did.

5.3.23 **\$\$HTWT^BKMSUPP2(DFN)**

Patient height/weight

- Input Parameter Description:
 - DFN: Patient's internal entry number
- Output Description:
 - HEIGHT^WEIGHT

5.3.24 **\$\$PAUSE^BKMSUPP3()**

Simulates Health Summary pause message for user interaction during printing

- Input Parameter Description:
 - n/a
- Output Description:
 - 1: user wishes to quit (caret (^) was typed)
 - 0: user wishes to continue

5.3.25 **\$\$GETLAB^BKMSUPP4(TAX,DFN)**

Function retrieves the last lab associated with a CPT taxonomy for a patient.

- Input Parameter Description:
 - TAX: Taxonomy name
 - DFN: Patient's internal entry number
 - TARGET: The target variable (global or local) that is updated with the requested data
- Output Description:
 - Last lab date^last lab^result

5.3.26 **\$\$EXISTS^BKMTX(TAXONOMY)**

Checks to see if a taxonomy exists

- Input Parameter Description:
 - TAXONOMY: Name of taxonomy
- Output Description:
 - Null: Taxonomy doesn't exist

- IEN: Taxonomy internal entry number if taxonomy does exist

5.3.27 **\$\$ICD0^BKMUL3**

Returns the value of the Code Set Versioning piece for the ICD OPERATION/PROCEDURE file (#80.1)

- Input Parameter Description:
 - VAL: ICD OPERATION/PROCEDURE internal entry number
 - IDT: ICD OPERATION/PROCEDURE date
 - PC: piece of the string returned by \$\$ICDOP^ICDCODE that is being requested
- Output Description:
 - The piece of data in the string returned by \$\$ICDOP^ICDCODE that corresponds with the data originally retrieved directly from ^ICD0

5.3.28 **\$\$ICD9^BKMUL3**

Return the value of the Code Set Versioning piece of the ICD DIAGNOSIS file (#80)

- Input Parameter Description:
 - VAL: ICD DIAGNOSIS internal entry number
 - IDT: ICD DIAGNOSIS date
 - PC: piece of the string returned by \$\$ICDDX^ICDCODE that is being requested
- Output Description:
 - The piece of data in the string returned by \$\$ICDDX^ICDCODE that corresponds with the data originally retrieved directly from ^ICD9

5.3.29 **\$\$ICPT^BKMUL3**

Return the value of the Code Set Versioning piece of the CPT file (#81)

- Input Parameter Description:
 - VAL: CPT internal entry number
 - IDT: CPT date
 - PC: piece of the string returned by \$\$CPT^ICPTCOD that is being requested
- Output Description:

- The piece of data in the string returned by \$\$CPT^ICPTCOD that corresponds with the data originally retrieved directly from ^ICPT

5.3.30 \$\$ICDD^BKMUL3

Return description for the ICD diagnosis or the ICD operation/procedure

- Input Parameter Description:
 - FILE: “ICD9” or “ICD0”
 - VAL: internal entry number for the corresponding file
 - IDT: associated date
- Output Description:
 - Returns the description

5.3.31 \$\$ADDRESS^BKMVA1(DFN)

This function returns the address of the identified patient.

- Input Parameter Description:
 - DFN: Patient’s internal entry number
- Output Description:
 - Returns a string containing the patient’s address information: STREET LINE 1^STREET LINE 2^STREET LINE3^CITY^STATE^ZIP

5.3.32 \$\$GETALL^BKMVA1(DFN,RECALC)

This function calls GETALL^BKMVA2 to retrieve identifying patient information.

- Input Parameter Description:
 - DFN: Patient’s internal entry number
 - RECALC: Indicates whether or not reminders should be recalculated (1=yes; 0=no)
- Output Description:
 - No Direct Output. Calls GETALL^BKMVA2(DFN,RECALC)

5.3.33 \$\$HRN^BKMVA1(DFN)

This function returns the patient’s HRN.

- Input Parameter Description:

- DFN: Patient's internal entry number
- Output Description:
 - Returns the HRN

5.3.34 **\$\$PHONE^BKMVA1(DFN,TYPE)**

This function returns the home or work phone number for a given patient

- Input Parameter Description:
 - DFN: Patient internal entry number from file (9000001)
 - TYPE: Type of phone number to retrieve (1=RESIDENCE, 2=WORK)
- Output Description:
 - Returns phone number

5.3.35 **\$\$PRIMPROV^BKMVA1(DFN)**

This function returns the primary provider for a given patient.

- Input Parameter Description:
 - DFN: Patient's internal entry number
- Output Description:
 - Returns external value of primary provider for this patient

5.3.36 **\$\$RES^BKMVA1(DFN)**

This function returns the current community of residence for the given patient

- Input Parameter Description:
 - DFN: Patient's internal entry number
- Output Description:
 - External value for community of residence

5.3.37 **\$\$EXISTHAP^BKMVA1A(DFN,HIVIEN)**

This function determines if the patient has HAART appropriate multiples.

- Input Parameter Description:
 - DFN: Patient's internal entry number
 - HIVIEN: Register internal entry number

- Output Description:
 - Returns a ‘1’ if HAART appropriate multiples exist or a ‘0’ if HAART appropriate multiples do not exist

5.3.38 **\$\$EXISTHDC^BKMVA1A(DFN,HIVIEN)**

This function determines if the patient has an HMS diagnosis category.

- Input Parameter Description:
 - DFN: Patient’s internal entry number
 - HIVIEN: Register internal entry number
- Output Description:
 - Returns a ‘1’ if an HMS diagnosis category exists or a ‘0’ if an HMS diagnosis category does not exist

5.3.39 **\$\$EXISTIAD^BKMVA1A(DFN,HIVIEN)**

This function determines if the patient has an initial AIDS diagnosis date.

- Input Parameter Description:
 - DFN: Patient’s internal entry number
 - HIVIEN: Register internal entry number
- Output Description:
 - Returns a ‘1’ if an initial AIDS diagnosis date exists or a ‘0’ if an initial AIDS diagnosis date does not exist

5.3.40 **\$\$EXISTIHD^BKMVA1A (DFN,HIVIEN)**

This function determines if the patient has an initial HIV diagnosis date.

- Input Parameter Description:
 - DFN: Patient’s internal entry number
 - HIVIEN: Register internal entry number
- Output Description:
 - Returns a ‘1’ if an initial HIV diagnosis date exists or a ‘0’ if an initial HIV diagnosis date does not exist

5.3.41 **\$\$EXISTNOT^BKMVA1A (DFN)**

This function determines if partner notification status information and state reporting status information exists for the patient.

- Input Parameter Description:
 - DFN: Patient's internal entry number
- Output Description:
 - Returns a '1' if partner notification status information and state reporting status information exists for the patient or a '0' if neither partner notification status information nor state reporting status information exist for the patient

5.3.42 **\$\$GETPAT^BKMVA1A()**

This function extracts patient information from the registry file.

- Input Parameter Description:
 - n/a
- Output Description:
 - Given patient information, returns a '1' if the patient is found or a '0' if the patient is not found.

5.3.43 **\$\$MSGDATA^BKMVA1A (DFN,HIVIEN)**

This function determines if registry data is missing for the patient.

- Input Parameter Description:
 - DFN: Patient's internal entry number
 - HIVIEN: Register internal entry number
- Output Description:
 - Returns a '1' if registry data is missing for the patient or a '0' if no registry data is missing for the patient

5.3.44 **\$\$DIAG^BKMVA1B(DFN)**

This function returns the patient's HMS diagnosis category.

- Input Parameter Description:
 - DFN: Patient's internal entry number
- Output Description:

- Returns the patient’s HMS diagnosis category

5.3.45 **\$\$YNP^BKMVA1B(PROMPT,DFLT)**

This function prompts the user for an answer to a Yes/No question.

- Input Parameter Description:
 - PROMPT: Question being asked
 - DFLT: Default answer to the question, either Yes or No
- Output Description:
 - Returns a ‘1’ for a Yes response or a ‘0’ for a No response

5.3.46 **\$\$GETALL^BKMVA2(DFN,CALCREM)**

This function gathers patient data.

- Input Parameter Description:
 - DFN: Patient’s internal entry number
 - CALCREM: Flag to recalculate reminders (not required)
- Output Description:
 - Returns a ‘0’ if there is no HMS register or the patient is not on the HMS register. Otherwise, it returns a ‘1’.

5.3.47 **\$\$HDRCT^BKMVPGP()**

This function determines the total number of lines in a header.

- Input Parameter Description:
 - n/a
- Output Description:
 - Returns a number that equals the number of lines in a header

5.3.48 **\$\$POST^BKMVAUD1()**

This function compares postedit data with preedit data after patient data is captured.

- Input Parameter Description:
 - n/a
- Output Description:

- Given patient information, returns an ‘E’ for Edit, a ‘D’ for Delete, or a ‘V’ for View

5.3.49 **\$\$POST^BKMVAUD2()**

This function compares postedit data with preedit data after patient data is reviewed.

- Input Parameter Description:
 - n/a
- Output Description:
 - Given patient information, returns an ‘E’ for Edit, a ‘D’ for Delete, or a ‘V’ for View.

5.3.50 **\$\$ACC^BKMVCD(BKMDFN,BKMSTS)**

This function adds a patient to the HMS register.

- Input Parameter Description:
 - BKMDFN: Patient’s internal entry number
 - BKMSTS: Register Status
- Output Description:
 - Returns a ‘1’ if the process was successful or a ‘0’ if the process was not successful

5.3.51 **\$\$ADDPAT^BKMVCD(BKMPAT)**

This function adds a patient to the HMS registry file.

- Input Parameter Description:
 - BKMPAT: Patient’s internal entry number
- Output Description:
 - Returns, if successful, the internal number of the entry in the file. If not successful, returns ‘-1’.

5.3.52 **\$\$ADDREG^BKMVCD(BKMIEN,BKMHIV)**

This function adds the HMS register-specific node for the patient in the HMS registry file.

- Input Parameter Description:

- BKMIEN: Patient’s internal entry number
- BKM HIV: Register internal entry number
- Output Description:
 - Returns, if successful, the record internal entry number in the file. If not successful, returns ‘-1’.

5.3.53 **\$\$SELECT^BKMVD2()**

This function enables a user to select one entry from a given list.

- Input Parameter Description:
 - n/a
- Output Description:
 - Given a selection list, returns the internal number for the entry selected by the user

5.3.54 **\$\$YNP^BKMVD2(PROMPT,DFLT)**

This function issues a yes/no prompt for a user.

- Input Parameter Description:
 - PROMPT: Prompt Text
 - DFLT: Default value for the given prompt.
- Output Description:
 - 1 = Yes, 0 = No

5.3.55 **\$\$NEGATIVE^BKMVF32(RESULT)**

This function determines if a result is negative.

- Input Parameter Description:
 - RESULT: Test result
- Output Description:
 - Returns ‘1’ if result is ‘-’, ‘N’, ‘NR’, ‘NON-REACTIVE’, ‘NON REACTIVE’, ‘NONREACTIVE’, or ‘NEG’. Otherwise, it returns ‘0’.

5.3.56 **\$\$POSITIVE^BKMVF32(RESULT)**

This function determines if a result is positive.

- Input Parameter Description:
 - RESULT: Test result
- Output Description:
 - Returns '1' if result is '+', '>', 'P', 'R', 'WR', 'REACTIVE', 'WEAKLY REACTIVE', or 'POS'

5.3.57 **\$\$STDS^BKMVF32(DFN,STD,LDATE)**

This function checks for any positive STD tests since the date of the last lab passed by reference.

- Input Parameter Description:
 - DFN: Patient's internal entry number
 - STD: STD name
 - LDATE: Date of the last lab passed by reference
- Output Description:
 - Returns a '1' if a positive test is found. Otherwise, a '0' is returned.

5.3.58 **\$\$CODEDESC^BKMVFLD(BKMFILNO,BKMFLDNO,BKMFLD)**

This function builds an executable select statement from a set of codes.

- Input Parameter Description:
 - BKMFILNO: File number
 - BKMFLDNO: Field number
 - BKMFLD: Field name
- Output Description:
 - Returns a string containing an executable select statement containing a set of codes

5.3.59 **\$\$FLDINFO^BKMVFLD(BKVIEN)**

This function determines file and field information from records in the HMS audit file.

- Input Parameter Description:
 - BKVIEN: HMS Audit file internal entry number
- Output Description:

- Returns a string containing the file number, field number, field name, and field type

5.3.60 **\$\$PNTRDESC^BKMVFLD(BKMFILNO,BKMFLDNO,BKMFLD)**

This function determines the description of a field specifier.

- Input Parameter Description:
 - BKMFILNO: File number
 - BKMFLDNO: Field number
 - BKMFLD: Field name
- Output Description:
 - Returns the description of the field

5.3.61 **\$\$CREATE^BKMVIST4(ELDATE,ELFILE,ELINDEX,DA1)**

This function creates an HMS subfile entry.

- Input Parameter Description:
 - ELDATE: Event data/time
 - ELFILE: File number
 - ELINDEX: Index number
 - DA1: HMS PCC entry update internal entry number
- Output Description:
 - Returns, if successful, the record internal entry number in the file. If not successful, returns '-1'.

5.3.62 **\$\$CRVFILE2^BKMVIST4(VFILE,PATIENT,VISIT,TYPE,VALUE,CRVDATE,TEMPLATE)**

This function creates a visit related file entry.

- Input Parameter Description:
 - VFILE: Visit related file
 - PATIENT: Patient's internal entry number
 - VISIT: Visit ID
 - TYPE: Visit type
 - VALUE: Visit type value

- CRVDATE: Event data/time
- TEMPLATE: Template name
- Output Description:
 - Returns a visit ID if successful or null if an error occurs

5.3.63 **\$\$CRVISIT3^BKMVIST4(EDATE,PATIENT)**

This function creates an entry in Visit File 9000010.

- Input Parameter Description:
 - EDATE: Event date/time
 - PATIENT: Patient's internal entry number
- Output Description:
 - Returns a visit ID if successful, or null if an error occurs

5.3.64 **\$\$OK^BKMVLC(AR)**

Function to make sure the user wants to accept or not accept candidates

- Input Parameter Description:
 - AR: Accept or Not accept ('1' or '0')
- Output Description:
 - Returns a '1' for a Yes response or a '0' for a No response.

5.3.65 **\$\$PRIM^BKMVLC(CANDIEN)**

This function extracts the primary criteria for a registry candidate.

- Input Parameter Description:
 - CANDIEN: Candidate IEN
- Output Description:
 - Returns a string containing the candidate's IEN, the qualifying lab, and the date and time identified

5.3.66 **\$\$TOT^BKMVLC(CANDIEN)**

This function counts the number of qualifying criteria for a candidate.

- Input Parameter Description:

- CANDIEN: Candidate IEN
- Output Description:
 - Returns a count of the total number of qualifying criteria for the candidate

5.3.67 **\$\$PATNAME^BKMVSRP1(BKMIEN)**

This function returns a patient's name.

- Input Parameter Description:
 - BKMIEN: Patient's internal entry number
- Output Description:
 - Returns the patient's name

5.3.68 **\$\$PROB^BKMVUTL(PIEN)**

This function returns the date and time related to a problem.

- Input Parameter Description:
 - PIEN: Problem IEN
- Output Description:
 - Returns the problem date and time

5.3.69 **\$\$STC^BKMVUTL(FIL,FLD,VAL)**

This function finds a description for a code within a set of codes.

- Input Parameter Description:
 - FIL: File number
 - FLD: Field number
 - VAL: Code value
- Output Description:
 - Returns the code's description

6.0 Files and Tables

6.1 File List

File #	Filename	Description
90450	HMS BASE	Registry Definitions
90451	HMS REGISTRY	General Patient Information
90451.1	HMS PCC ENTRY UPDATE	Detailed Patient Information
90451.2	HMS CANDIDATE FILE	Patients Identified as Register Candidates
90451.5	HMS ETIOLOGY	Etiologies
90451.7	HMS CLINICAL CLASSIFICATION	Clinical Classifications
90452.5	HMS ORDER FREQUENCY	Order Frequency Choices
90453	HMS PROVIDER GUIDELINES	Provider Treatment Guidelines
90454	HMS STI SCREENING	STI Definitions
90455	HMS AUDIT	Audit Information
90456	HMS HIV/AIDS STATE REPORT	HIV/AIDS State Reports
90459	HMS PCC BUFFER	Patient Update File Information

6.2 File Access

File #	Filename	Global	RD	WR	LYG	DD	DEL
90505	ICARE USER	^BQICARE(@	@	@	@	@
90505.2	ICARE ROLES	^BQI(90505.2,	@	@	@	@	@
90506	ICARE DEFINITIONS	^BQI(90506,	@	@	@	@	@
90506.1	ICARE PANEL VIEW	^BQI(90506.1,	@	@	@	@	@
90506.2	ICARE DIAGNOSIS CATEGORIES	^BQI(90506.2,	@	@	@	@	@
90450	HMS BASE	^BKM(90450,	@	@	@	@	@
90451	HMS REGISTRY	^BKM(90451,	@	@	@	@	@
90451.1	HMS PCC ENTRY UPDATE	^BKM(90451.1,	@	@	@	@	@

File #	Filename	Global	RD	WR	LYG	DD	DEL
90451.2	HMS CANDIDATE FILE	^BKM(90451.2,	@	@	@	@	@
90451.5	HMS ETIOLOGY	^BKM(90451.5,	@	@	@	@	@
90451.7	HMS CLINICAL CLASSIFICATION	^BKMV(90451.7,	@	@	@	@	@
90452.5	HMS ORDER FREQUENCY	^BKM(90452.5,	@	@	@	@	@
90453	HMS PROVIDER GUIDELINES	^BKM(90453,	@	@	@	@	@
90454	HMS STI SCREENING	^BKM(90454,	@	@	@	@	@
90455	HMS AUDIT	^BKMV(90455,	@	@	@	@	@
90456	HMS HIV/AIDS STATE REPORT	^BKM(90456,	@	@	@	@	@
90459	HMS PCC BUFFER	^BKM(90459,	@	@	@	@	@

6.3 Cross References

90450 (HMS BASE)

- .01 REGISTER NAME
B Regular type cross reference
- .02 SHORT NAME
C Regular type cross reference
- .5 PCC LINK
LOCK Regular type cross reference

4 ICD DIAGNOSIS (90450.04)

- .01 ICD DIAGNOSIS
B Regular type cross reference

5 CLINICAL CLASSIFICATION (90450.05)

- .01 CLINICAL CLASSIFICATION
B Regular type cross reference

6 REQUIRED LABS (90450.06)

- .01 REQUIRED LABS
B Regular type cross reference

7 REQUIRED RADIOLOGY (90450.07)

- .01 REQUIRED RADIOLOGY
B Regular type cross reference

8 REQUIRED IMMUNOLOGY (90450.08)

- .01 REQUIRED IMMUNOLOGY

B Regular type cross reference

8.5 ASSOCIATED MEDICATIONS (90450.02)

.01 ASSOCIATED MEDICATIONS

B Regular type cross reference

9 NON-SYSTEM TEST/PROCEDURE (90450.09)

.01 NON-SYSTEM TEST/PROCEDURE

B Regular type cross reference

10 REQUIRED CLINICS (90450.01)

.01 REQUIRED CLINICS

B Regular type cross reference

11 REGISTER USER (90450.011)

.01 REGISTER USER

B Regular type cross reference

90451 (HMS REGISTRY)

.01 PATIENT NAME

B Regular type cross reference

#1 TRIGGER type cross reference

When the value is created, set #.02 to INTERNAL(PATIENT NAME)

When the value is deleted, remove #.02

.02 VA PATIENT

VA Regular type cross reference

1 REGISTER (90451.01)

.01 REGISTER

B Regular type cross reference

D Regular type cross reference

.02 RECORD CREATION DATE/TIME

#1 TRIGGER type cross reference

When the value is created, set #.025 to DUZ

When the value is deleted, there is no effect

#2 TRIGGER type cross reference

When the value is created, set #.5 to "R"

When the value is deleted, there is no effect

#3 TRIGGER type cross reference

When the value is created, set #.75 to today

When the value is deleted, there is no effect

#4 TRIGGER type cross reference

When the value is created, set #.8 to DUZ

When the value is deleted, there is no effect

.03 DATE/TIME INACTIVATED

#1 TRIGGER type cross reference

When the value is created, set #.035 to removed from register by

When the value is deleted, set #.035 to removed from register by

#2 TRIGGER type cross reference
 When the value is created, set #.75 today
 When the value is deleted, set #.75 today
 #3 TRIGGER type cross reference
 When the value is created, set #.8 to who last changed status
 When the value is deleted, set #.8 to who last changed status

.5 STATUS

STATUS Regular type cross reference
 E MUMPS type cross reference
 #1 TRIGGER type cross reference
 When the value is created, set #.75 to today
 When the value is deleted, set #.75 to today
 #2 TRIGGER type cross reference
 When the value is created, set #.8 to who last changed status
 When the value is deleted, set #.8 to who last changed status
 #3 TRIGGER type cross reference
 When the value is created, set #.03 to today
 When the value is deleted, set #.03 to today
 #4 TRIGGER type cross reference ^90451.01^.035
 When the value is created, set #.035 to inactivated by
 When the value is deleted, remove #.035

1 STATUS COMMENTS

AC MUMPS type cross reference

2.7 DIAGNOSIS COMMENTS

AD MUMPS type cross reference

6.5 REGISTER CASE MANAGER

C Regular type cross reference

7.5 ETIOLOGY COMMENTS

AE MUMPS type cross reference

40 HAART APPROPRIATE DATE (90451.03)

.01 HAART APPROPRIATE DATE
 B Regular type cross reference

50 HAART COMPLIANCE DATE (90451.07)

.01 HAART COMPLIANCE DATE
 B Regular type cross reference

51 HMS DIAGNOSIS CATEGORY HISTORY (90451.151)

.01 HMS DX CAT HIST DATE/TIME
 B Regular type cross reference

90451.1 (HMS PCC ENTRY UPDATE)

- .01 PATIENT NAME
B Regular type cross reference

1200 CONDITION EDUCATION (90451.12)

- .01 EDUCATION DATE/TIME
B Regular type cross reference

1300 LAB VALUES (90451.13)

- .01 LAB DATE/TIME
B Regular type cross reference

1400 MEDICATIONS (90451.14)

- .01 MEDICATIONS DATE/TIME
B Regular type cross reference

1500 REFUSALS (90451.15)

- .01 REFUSALS
B Regular type cross reference

1600 ELDER CARE (90451.16)

- .01 ELDER CARE
B Regular type cross reference

1700 EXAM DATE/TIME (90451.17)

- .01 EXAM DATE/TIME
B Regular type cross reference

1800 HEALTH FACTORS (90451.18)

- .01 HEALTH FACTORS DATE
B Regular type cross reference

1900 MEASUREMENT DATE/TIME (90451.19)

- .01 MEASUREMENT DATE/TIME
B Regular type cross reference

2000 PROCEDURE DATE/TIME (90451.22)

- .01 PROCEDURE DATE/TIME
B Regular type cross reference

2100 RADIOLOGY DATE/TIME (90451.23)

- .01 RADIOLOGY DATE/TIME
B Regular type cross reference

2200 SKIN TEST DATE (90451.24)

- .01 SKIN TEST DATE
B Regular type cross reference

2300 IMMUNIZATION DATE (90451.25)

- .01 IMMUNIZATION DATE

B Regular type cross reference

90451.2 (HMS CANDIDATE FILE)

.01 PATIENT NAME

B Regular type cross reference

.04 AUTOPOPULATE DATE/TIME

AC Regular type cross reference

2 QUALIFYING DIAGNOSIS (90451.26)

.01 QUALIFYING DIAGNOSIS

B Regular type cross reference

.04 DATE/TIME IDENTIFIED

AC Regular type cross reference

3 QUALIFYING MEDICATION (90451.27)

.01 QUALIFYING MEDICATION

B Regular type cross reference

.04 DATE/TIME IDENTIFIED

AC Regular type cross reference

4 QUALIFYING LAB (90451.28)

.01 QUALIFYING LAB

B Regular type cross reference

.04 DATE/TIME IDENTIFIED

AC Regular type cross reference

5 QUALIFYING PROBLEM (90451.29)

.01 QUALIFYING PROBLEM

B Regular type cross reference

90451.5 (HMS ETIOLOGY)

.01 ETIOLOGY

B Regular type cross reference

1 SHORT NAME

C Regular type cross reference

2 DISPLAY ORDER

D Regular type cross reference

90451.7 (HMS CLINICAL CLASSIFICATION)

.01 CATEGORY

B Regular type cross reference

90452.5 (ORDER FREQUENCY)

.01 ORDER FREQUENCY

B Regular type cross reference

90453 (HMS PROVIDER GUIDELINES)

.01 GUIDELINE LONG NAME

- B Regular type cross reference
- .02 GUIDELINES SUB TITLE (90453.04)
- .01 GUIDELINES SUB TITLE
 - B Regular cross reference type
- .05 SHORT NAME
 - C Regular type cross reference
- 1 RESOURCE (90453.01)**
 - .01 RESOURCE
 - B Regular cross reference type
- 2 SECTION (90453.02)**
 - .01 SECTION
 - B Regular cross reference type
 - 2 PRINT ORDER
 - AC Regular cross reference type
- 3 GUIDELINES NOTE (90453.03)**
 - .01 GUIDELINES NOTE
 - B Regular cross reference type
- 90454 (HMS STI SCREENING)**
 - .01 STI NAME
 - B Regular type cross reference
 - .02 TYPE
 - C Regular type cross reference
 - .03 CODE
 - D Regular type cross reference
- 10 SCREENINGS (90454.01)**
 - .01 SCREENINGS
 - B Regular cross reference type
- 90455 (HMS AUDIT)**
 - .01 DATE/TIME
 - B Regular cross reference type
- 2 EVENT IEN**
 - C Regular cross reference type
- 5 EVENT USER**
 - E Regular cross reference type
- 6 REGISTER**
 - D Regular cross reference type
- 7 OPTION ACCESSED**
 - F Regular cross reference type

8 PATIENT NAME

G Regular cross reference type

90456 (HMS HIV/AIDS STATE REPORTS)

.01 REPORT HEADER

B Regular cross reference type

1 SECTION (90456.02)

.01 SECTION

B Regular cross reference type

1 DATA FIELD TEXT (90456.21)

.01 DATA FIELD TEXT

B Regular cross reference type

2 PRINT ORDER

C Regular cross reference type

90459 (HMS PCC BUFFER)

.01 SESSION IDENTIFIER

B Regular cross reference type

.12 CONDITION EDUCATION (90459.1212)

.01 CONDITION EDUCATION DATE/TIME

B Regular cross reference type

.13 LAB VALUES (90459.1313)

.01 LAB DATE/TIME

B Regular cross reference type

.14 MEDICATIONS (90459.1414)

.01 MEDICATIONS DATE/TIME

B Regular cross reference type

.16 ELDER CARE (90459.1616)

.01 ELDER CARE DATE/TIME

B Regular cross reference type

.17 EXAM (90459.1717)

.01 EXAM DATE/TIME

B Regular cross reference type

.18 HEALTH FACTORS (90459.1818)

.01 HEALTH FACTORS DATE/TIME

B Regular cross reference type

.19 MEASUREMENT (90459.1919)

.01 MEASUREMENT DATE/TIME

B Regular cross reference type

.2 PROCEDURE (90459.22222)

- .01 PROCEDURE DATE/TIME
B Regular cross reference type

.21 RADIOLOGY (90459.2121)

- .01 RADIOLOGY DATE/TIME
B Regular cross reference type

.22 SKIN TEST (90459.2222)

- .01 SKIN TEST DATE/TIME
B Regular cross reference type

.23 IMMUNIZATION (90459.2323)

- .01 IMMUNIZATION DATE/TIME
B Regular cross reference type

6.4 Table File

- File: 90450 HMS BASE
- Global: ^BKM(90450,

Field #	Field Name	Subscript	Piece	Type
.01	REGISTER NAME	D0,0	1	F
.02	SHORT NAME	"	2	F
.03	NATIONAL REGISTER	"	3	S
.08	TURN OFF DATE	"	10	D
.5	PCC LINK	"	4	S
4	ICD DIAGNOSIS (90450.04)			
.01	ICD DIAGNOSIS	D0,4,D1,0	1	P
5	CLINICAL CLASSIFICATION (90450.05)			
.01	CLINICAL CLASSIFICATION	D0,5,D1,0	1	P
6	REQUIRED LABS (90450.06)			
.01	REQUIRED LABS	D0,6,D1,0	1	P
7	REQUIRED RADIOLOGY (90450.07)			
.01	REQUIRED RADIOLOGY	D0,7,D1,0	1	P
8	REQUIRED IMMUNOLOGY (90450.08)			
.01	REQUIRED IMMUNOLOGY	D0,8,D1,0	1	P
8.5	ASSOCIATED MEDICATIONS (90450.02)			
.01	ASSOCIATED MEDICATIONS	DO,12,D1,0	1	P
9	NON-SYSTEM TEST/PROCEDURE (90450.09)			

Field #	Field Name	Subscript	Piece	Type
.01	NON-SYSTEM TEST/PROCEDURE	D0,9,D1,0	1	F
10	REQUIRED CLINICS (90450.01)			
.01	REQUIRED CLINICS	D0,10,D1,0	1	P
11	REGISTER USER (90450.011)			
.01	REGISTER USER	D0,11,D1,0	1	P
.5	ACCESS ROLE	"	2	S
12	STATE REPORT REQUIRED	D0,0	5	S
12.5	STATE HIV REPORT REQUIRED	"	8	S
19	BACKGROUND AUTO-POPULATE	"	9	S
20	ENTER/EDIT TEMPLATE	"	6	P
21	LAST AUTOBUILD DATE	"	7	D
22	AUTO-POPULATE START DATE/TIME	D0,13	1	D
22.1	AUTO-POPULATE DECEASED PTS	"	6	S
22.5	AUTO-POPULATE COMPLETION D/T	"	2	D
22.7	AUTO-POPULATE RUN STATUS	"	3	S
22.8	JOB	"	4	N
22.9	USER STARTING JOB	"	5	P
30	SWITCH	D0,30	1	S
50	AUTO-POPULATE INTRO TEXT (90450.03)			
.01	AUTO-POPULATE INTRO TEXT	D0,50,D1,0	1	W
100	GLOSSARY TEXT (90450.1)			
.01	GLOSSARY TEXT	D0,100,D1,0	1	W

- FILE: 90451 HMS REGISTRY
- GLOBAL: ^BKM(90451,

Field #	Field Name	Subscript	Piece	Type
.01	PATIENT NAME	D0,0	1	P
.02	VA PATIENT	"	3	P
.05	REGISTER ID	"	2	F
1	REGISTER (90451.01)			
.01	REGISTER	D0,1,D1,0	1	P
.015	WHERE FOLLOWED	"	2	P
.016	OUTSIDE LOCATION	"	13	F

Field #	Field Name	Subscript	Piece	Type
.017	OUTSIDE PROVIDER NAME	"	14	F
.02	RECORD CREATION DATE/TIME	"	3	D
.025	RECORD CREATED BY	"	4	P
.03	DATE/TIME INACTIVATED	"	5	D
.035	INACTIVATED BY	"	6	P
.5	STATUS	"	7	S
.55	PRIOR STATUS	"	8	S
.75	DATE OF LAST STATUS CHANGE	"	9	D
.8	WHO LAST CHANGED STATUS	"	10	P
1	STATUS COMMENTS	D0,1,D1,5	4	F
2	DIAGNOSIS	D0,1,D1,0	11	P
2.3	HMS DIAGNOSIS CATEGORY	D0,1,D1,3	7	S
2.5	DIAGNOSIS DATE	D0,1,D1,0	12	D
2.7	DIAGNOSIS COMMENTS	D0,1,D1,5	3	F
3	CLINICAL CLASSIFICATION	D0,1,D1,2	1	P
3.5	CLINICAL CLASS. CHANGE DT	"	2	D
3.55	PRIOR CLINICAL CLASSIFICATION	"	3	P
4	STATE HIV REPORTING DATE	"	4	D
4.1	STATE HIV ACK STATUS	"	12	S
4.2	STATE HIV ACKNOWLEDGEMENT DATE	"	5	D
4.3	STATE HIV REPORT STATUS	"	6	S
4.4	STATE HIV RPT LAST UPDATED	"	14	D
4.41	STATE HIV ACK LAST UPDATED	"	15	D
4.5	STATE AIDS REPORT DATE	"	9	D
4.51	STATE AIDS ACK STATUS	"	13	S
4.52	STATE AIDS ACKNOWLEDGEMENT DT	"	10	D
4.53	STATE AIDS REPORT STATUS	"	11	S
4.54	STATE AIDS RPT LAST UPDATED	"	16	D
4.541	STATE HIV ACK LAST UPDATED	"	17	D
5	INITIAL HIV DX DATE	"	7	D
5.5	INITIAL AIDS DX DATE	"	8	D
6	REGISTER PROVIDER	D0,1,D1,3	1	P
6.5	REGISTER CASE MANAGER	"	2	P
7	ETIOLOGY	"	3	P
7.5	ETIOLOGY COMMENTS	D0,1,D1,5	2	F
7.51	ETIOLOGY LAST UPDATED	D0,1,D1,3	4	D

Field #	Field Name	Subscript	Piece	Type
11	NOT APPROPRIATE REASON	D0,1,D1,3	5	S
15	PARTNER NOTIFICATION STATUS	D0,1,D1,6	3	S
16	PARTNER NOTIFICATION DATE	"	4	D
17	PARTNER NOTIFIED LAST UPDATED	"	5	D
20	NEW STATUS COMMENTS (90451.02)			
.01	NEW STATUS COMMENTS	D0,1,D1,2 0,D2,0	1	W
21	NEW DIAGNOSIS COMMENTS (90451.121)			
.01	NEW DIAGNOSIS COMMENTS	D0,1,D1,2 1,D2,0	1	W
22	NEW ETIOLOGY COMMENTS (90451.122)			
.01	NEW ETIOLOGY COMMENTS	D0,1,D1,2 2,D2,0	1	W
30	DATE/TIME OF LAST EDIT (90451.05)			
.01	DATE/TIME OF LAST EDIT	D0,1,D1,9 ,D2,0	1	D
1	LAST EDITED BY	"	2	P
35	PRIOR DIAGNOSIS	D0,1,D1,5	1	S
40	HAART APPROPRIATE DATE (90451.03)			
.01	HAART APPROPRIATE DATE	D0,1,D1,4 0,D2,0	1	D
1	HAART APPROPRIATE	"	2	S
2	HAART NOT APPROPRIATE REASON	"	3	S
3	HAART APPROPRIATE COMMENT	"	4	F
4	LAST EDITED BY	"	5	P
5	LAST EDITED DATE	"	6	D
20	NEW HAART APPROPRIATE COMMENT (90451.04)			
.01	NEW HAART APPROPRIATE COMMENT	D0,1,D1,4 0,D2,20,D 3,0	1	W
50	HAART COMPLIANCE DATE (90451.07)			
.01	HAART COMPLIANCE DATE	D0,1,D1,5 0,D2,0	1	D
1	HAART COMPLIANT	"	2	S
2	HAART COMPLIANCE COMMENT	"	3	F
3	LAST EDITED BY	"	4	P

Field #	Field Name	Subscript	Piece	Type
4	LAST EDITED DATE	"	5	D
20	NEW HAART ADHERENCE COMMENT (90451.08)			
.01	NEW HAART ADHERENCE COMMENT	D0,1,D1,50,D2,20,D3,0	1	W
51	HMS DIAGNOSIS CATEGORY HISTORY (90451.151)			
.01	HMS DX CAT HIST DATE/TIME	D0,1,D1,10,D2,0	1	D
.02	HMS DX CAT HIST VALUE	"	2	S
.03	HMS DX CAT HIST EDITED BY	"	3	P
4	LAST EDITED BY	"	5	P

- FILE: 90451.1 HMS PCC ENTRY UPDATE
- GLOBAL: ^BKM(90451.1

Field #	Field Name	Subscript	Piece	Type
.01	PATIENT NAME	D0,0	1	P
.015	REGISTRY	"	2	P
.02	DATE OF UPDATE	"	3	D
.03	DATE OF CONDITION ONSET	"	4	D
.04	PROBLEM NUMBER	"	5	F
.05	HEIGHT DATE	"	6	D
.06	HEIGHT VALUE	"	7	N
.07	WEIGHT DATE	"	8	D
.08	WEIGHT VALUE	"	9	N
.09	TOBACCO HEALTH FAC	"	10	P
.1	TB HEALTH FACTOR	"	11	P
.11	FOOT EXAM DATE	"	12	D
.12	EYE EXAM DATE	"	13	D
.13	DENTAL EXAM DATE	"	14	D
.14	PAP SMEAR DATE	"	15	D
.15	MAMMOGRAM DATE	"	16	D
.16	FLU SHOT DATE	"	17	D
.17	PNEUMOVAX DATE	"	18	D
.18	TD DATE	"	19	D
.19	BP DATE	"	20	D
.2	BP VALUE	"	21	F

Field #	Field Name	Subscript	Piece	Type
.21	FOOT EXAM RESULTS	"	22	S
.22	EYE EXAM RESULTS	"	23	S
.23	EKG RESULT	"	24	S
1101	PPD DATE	D0,11	1	D
1102	PPD READING	"	2	N
1103	EKG DATE	"	3	D
1106	SITE WHERE FOLLOWED	"	6	P
1107	SELF MONITORING HEALTH FACTOR	"	7	P
1108	BARRIERS TO LEARN HF	"	8	P
1109	READINESS TO LEARN HF	"	9	P
1110	LEARNING PREFERENCE	"	10	P
1111	FLU VACINE	"	11	P
1112	PNEUMOVAX VALUE	"	12	P
1113	TD VALUE	"	13	P
1200	CONDITION EDUCATION (90451.12)			
.01	EDUCATION DATE/TIME	D0,12,D1,0	1	D
.02	CONDITION EDUCATION	"	2	P
.03	LEVEL OF UNDERSTANDING	"	3	S
.04	PROVIDER	"	4	P
.05	OBJECTIVES MET	"	5	F
.06	INDIVIDUAL/GROUP	"	6	S
.07	LENGTH	"	7	N
.08	BEHAVIOR CODE	"	8	S
1300	LAB VALUES (90451.13)			
.01	LAB DATE/TIME	D0,13,D1,0	1	D
.02	LAB VALUES	D0,13,D1,1	6	P
.03	VALUE	D0,13,D1,0	3	F
.04	CPT PTR	"	4	P
.05	LAB POV	D0,13,D1,1	1	P
.06	LOINC CODE	"	2	P
1101	UNITS	"	3	F
1104	REFERENCE LOW	"	4	F
1105	REFERENCE HIGH	"	5	F

Field #	Field Name	Subscript	Piece	Type
1400	MEDICATIONS (90451.14)			
.01	MEDICATIONS DATE/TIME	D0,14,D1,0	1	D
.02	MEDICATION	"	2	P
.03	QUANTITY	"	3	N
.04	SIQ	"	4	F
.07	DAYS PRESCRIBED	"	5	N
1500	REFUSALS (90451.15)			
.01	REFUSALS	D0,15,D1,0	1	P
.02	REFUSAL DATE	"	2	D
.05	REASON	"	5	S
1600	ELDER CARE (90451.16)			
.01	ELDER CARE	D0,16,D1,0	1	D
.04	TOILETING	"	2	S
.05	BATHING	"	3	S
.06	DRESSING	"	4	S
.07	TRANSFERS	"	5	S
.08	FEEDING	"	6	S
.09	CONTINENCE	"	7	S
.11	FINANCES	"	8	S
.12	COOKING	"	9	S
.13	SHOPPING	"	10	S
.14	HOUSEWORK/CHORES	"	11	S
.15	MEDICATIONS	"	12	S
.16	TRANSPORTATION	"	13	S
.17	CHANGE IN FUNCTIONAL STATUS	"	14	S
.18	IS PATIENT A CAREGIVER	"	15	S
1202	ORDERING PROVIDER	D0,16,D1,12	1	P
1203	CLINIC	"	2	P
1204	ENCOUNTER PROVIDER	"	3	P
1208	PARENT	"	8	P
1209	EXTERNAL KEY	"	9	F
1210	OUTSIDE PROVIDER NAME	"	10	F
1700	EXAM DATE/TIME (90451.17)			

Field #	Field Name	Subscript	Piece	Type
.01	EXAM DATE/TIME	D0,17,D1,0	1	D
.02	EXAM	"	2	P
.03	VISIT	"	3	P
.04	RESULT	"	4	S
1800	HEALTH FACTORS (90451.18)			
.01	HEALTH FACTORS DATE	D0,18,D1,0	1	D
.02	HEALTH FACTOR	"	2	P
1900	MEASUREMENT DATE/TIME (90451.19)			
.01	MEASUREMENT DATE/TIME	D0,19,D1,0	1	D
.02	TYPE	"	2	P
.04	VALUE	"	3	F
2000	PROCEDURE DATE/TIME (90451.22)			
.01	PROCEDURE DATE/TIME	D0,20,D1,0	1	D
.019	PROCEDURE NARRATIVE	COMPUTED		
.02	PROCEDURE	D0,20,D1,0	2	P
.04	PROVIDER NARRATIVE	"	3	P
2100	RADIOLOGY DATE/TIME (90451.23)			
.01	RADIOLOGY DATE/TIME	D0,21,D1,0	1	D
.02	RADIOLOGY PROCEDURE	"	2	P
.029	CPT CODE	"	3	P
.05	ABNORMAL	"	4	S
2200	SKIN TEST DATE (90451.24)			
.01	SKIN TEST DATE	D0,22,D1,0	1	D
.02	SKIN TEST	"	2	P
.04	RESULTS	"	3	S
.05	READING	"	4	N
.08	TEST READER	"	5	P
2300	IMMUNIZATION DATE (90451.25)			
.01	IMMUNIZATION DATE	D0,23,D1,0	1	D

Field #	Field Name	Subscript	Piece	Type
.02	IMMUNIZATION	D0,23,D1,25	1	P
.04	SERIES	D0,23,D1,0	2	S
.05	LOT	"	3	P
.06	REACTION	"	4	P

- FILE: 90451.2 HMS CANDIDATE FILE
- GLOBAL: ^BKM(90451.2

Field #	Field Name	Subscript	Piece	Type
.01	PATIENT NAME	D0,0	1	P
.02	QMAN TEMPLATE	"	2	P
.03	STATUS	"	3	S
.04	AUTOPOPULATE DATE/TIME	"	4	D
.05	NOT ACCEPTED DATE/TIME	"	5	D
.06	NOT ACCEPTED BY	"	6	P
2	QUALIFYING DIAGNOSIS (90451.26)			
.01	QUALIFYING DIAGNOSIS	D0,2,D1,0	1	P
.02	VISIT	"	2	P
.03	ASSOCIATED TAXONOMY	"	3	F
.04	DATE/TIME IDENTIFIED	"	4	D
3	QUALIFYING MEDICATION (90451.27)			
.01	QUALIFYING MEDICATION	D0,3,D1,0	1	P
.02	VISIT	"	2	P
.03	ASSOCIATED TAXONOMY	"	3	F
.04	DATE/TIME IDENTIFIED	"	4	D
4	QUALIFYING LAB (90451.28)			
.01	QUALIFYING LAB	D0,4,D1,0	1	P
.02	VISIT	"	2	P
.03	ASSOCIATED TAXONOMY	"	3	F
.04	DATE/TIME IDENTIFIED	"	4	D
5	QUALIFYING PROBLEM (90451.29)			
.01	QUALIFYING PROBLEM	D0,5,D1,0	1	P
.02	PROBLEM	"	2	P
.03	ASSOCIATED TAXONOMY	"	3	F
.04	DATE/TIME IDENTIFIED	"	4	D
1	DATE/TIME IDENTIFIED	"	4	D

- FILE: 90451.5 HMS ETIOLOGY
- GLOBAL: ^BKM(90451.5)

Field #	Field Name	Subscript	Piece	Type
.01	ETIOLOGY	D0,0	1	F
1	SHORT NAME	"	2	F
2	DISPLAY	"	3	N

- FILE: 90451.7 HMS CLINICAL CLASSIFICATION
- GLOBAL: ^BKMV(90451.7)

Field #	Field Name	Subscript	Piece	Type
.01	FILE NAME	D0,0	1	F
.02	FILE NUMBER	"	2	F

- FILE: 90452.5 HMS ORDER FREQUENCY
- GLOBAL: ^BKM(90452.5)

Field #	Field Name	Subscript	Piece	Type
.01	ORDER FREQUENCY	D0,0	1	F

- FILE: 90453 HMS PROVIDER GUIDELINES
- GLOBAL: ^BKM(90453)

Field #	Field Name	Subscript	Piece	Type
.01	GUIDELINE LONG NAME	D0,0	1	F
.02	GUIDELINES SUB TITLE (90453.04)			
.01	GUIDELINES SUB TITLE	D0,4,D1,0	1	F
.05	SHORT NAME	D0,0	2	F
1	RESOURCE (90453.01)			
.01	RESOURCE	D0,1,D1,0	1	F
2	SECTION (90453.02)			
.01	SECTION	D0,2,D1,0	1	F
1	SECTION LEVEL	"	2	N
2	PRINT ORDER	"	3	N
3	SECTION TEXT (90453.23)			
.01	SECTION TEXT	D0,2,D1,1 ,D2,0	1	W
3	GUIDELINES NOTE (90453.03)			
.01	GUIDELINES NOTE	D0,3,D1,0	1	S
1	NOTE TEXT (90453.31)			

Field #	Field Name	Subscript	Piece	Type
.01	NOTE TEXT	D0,3,D1,1 ,D2,0	1	W

- FILE: 90454 HMS STI SCREENING
- GLOBAL: ^BKM(90454,

Field #	Field Name	Subscript	Piece	Type
.01	STI NAME	D0,0	1	F
.02	TYPE	"	2	S
.03	CODE	"	3	F
1	DENOMINATOR	D0,1		K
2	PERFORMANCE	D0,2		K
3	REFUSAL	D0,3		K
10	SCREENINGS (90454.01)			
.01	SCREENINGS	D0,10,D1, 0	1	P

- FILE: 90455 HMS AUDIT
- GLOBAL: ^BKMV(90455,

Field #	Field Name	Subscript	Piece	Type
.01	DATE/TIME	D0,0	1	D
1	EVENT TYPE	"	2	S
2	EVENT IEN	"	3	P
3	EVENT FIELD	"	4	N
4	OLD VALUE	"	5	F
4.5	NEW VALUE	"	6	F
5	EVENT USER	"	7	P
6	REGISTER	"	8	N
7	OPTION ACCESSED	"	9	P
8	PATIENT NAME	"	10	P

- FILE: 90456 HMS HIV/AIDS STATE REPORT
- GLOBAL: ^BKMV(90456,

Field #	Field Name	Subscript	Piece	Type
.01	REPORT HEADER	D0,0	1	F
.02	REPORT SUB-HEADER	"	2	F
.05	HEADER TEXT (90456.01)			
.01	HEADER TEXT	D0,1,D1,0	1	W

Field #	Field Name	Subscript	Piece	Type
1	SECTION (90456.02)			
.01	SECTION	D0,2,D1,0	1	F
.02	SECTION TITLE	"	2	F
.025	SECTION SUB-TITLE	"	3	F
.05	PRINT SECTION	"	4	S
1	DATA FIELD TEXT (90456.21)			
.01	DATA FIELD TEXT	D0,2,D1,1 ,D2,0	1	F
.05	DATA FIELD TEXT 2 ND LINE	"	4	F
1	PRINT FIELD ON REPORT	"	2	S
2	PRINT ORDER	D0,2,D1,1 ,D2,0	3	N
3	BLANK FIELD TEXT (90456.213)			

- FILE: 90459 HMS PCC BUFFER
- GLOBAL: ^BKM(90459,

Field #	Field Name	Subscript	Piece	Type
.01	SESSION IDENTIFIER	DO,0	1	N
.02	PATIENT	"	2	P
.12	CONDITION EDUCATION (90459.1212)			
.01	CONDITION EDUCATION DATE/TIME	D0,12,D1, 0	1	D
.02	EDUCATION TOPICS	"	2	P
.03	LEVEL OF UNDERSTANDING	"	3	S
.04	PROVIDER	"	4	P
.05	OBJECTIVES MET	"	5	F
.06	INDIVIDUAL/GROUP	"	6	S
.07	LENGTH	"	7	N
.08	BEHAVIOR CODE	"	8	S
.13	LAB VALUES (90459.1313)			
.01	LAB DATE/TIME	D0,13,D1, 0	1	D
.02	LAB TEST	"	2	P
.03	LAB VALUE	"	3	F
.04	CPT PTR	"	4	P
.05	LAB POV	"	5	P
.06	LOINC CODE	D0,13,D1, 1	1	P

Field #	Field Name	Subscript	Piece	Type
1101	UNITS	"	2	F
1104	REFERENCE LOW	"	3	F
1105	REFERENCE HIGH	"	4	F
.14	MEDICATIONS (90459.1414)			
.01	MEDICATIONS DATE/TIME	D0,14,D1, 0	1	D
.02	MEDICATION	"	2	P
.03	QUANTITY	"	3	N
.04	SIQ	"	4	F
.07	DAYS PRESCRIBED	"	5	N
.16	ELDER CARE (90459.1616)			
.01	ELDER CARE DATE/TIME	D0,16,D1, 0	1	D
.04	TOILETING	"	2	S
.05	BATHING	"	3	S
.06	DRESSING	"	4	S
.07	TRANSFERS	"	5	S
.08	FEEDING	"	6	S
.09	CONTINENCE	"	7	S
.11	FINANCES	"	8	S
.12	COOKING	"	9	S
.13	SHOPPING	"	10	S
.14	HOUSEWORK/CHORES	"	11	S
.15	MEDICATIONS	"	12	S
.16	TRANSPORTATION	"	13	S
.17	CHANGE IN FUNCTIONAL STATUS	"	14	S
.18	IS PATIENT A CAREGIVER?	D0,16,D1, 0	15	S
1202	ORDERING PROVIDER	D0,16,D1, 1	1	P
1203	CLINIC	"	2	P
1204	ENCOUNTER PROVIDER	"	3	P
1208	PARENT	"	4	P
1209	EXTERNAL KEY	"	5	F
1210	OUTSIDE PROVIDER NAME	"	6	F
.17	EXAM (90459.1717)			
.01	EXAM DATE/TIME	D0,17,D1, .0	1	D
.02	EXAM	"	2	P

Field #	Field Name	Subscript	Piece	Type
.03	VISIT	"	3	P
.04	RESULT	"	4	S
.18	HEALTH FACTORS (90459.1818)			
.01	HEALTH FACTORS DATE/TIME	D0,18,D1 ,0	1	D
.02	HEALTH FACTOR	"	2	P
.19	MEASUREMENT (90459.1919)			
.01	MEASUREMENT DATE/TIME	D0,19,D1 ,0	1	D
.02	TYPE	"	2	P
.04	VALUE	"	4	F
.2	PROCEDURE (90459.2222)			
.01	PROCEDURE DATE/TIME	D0,20,D1 ,0	1	D
.019	PROCEDURE NARRATIVE	COMPU TED		
.02	PROCEDURE	D0,20,D1 ,0	2	P
.04	PROVIDER NARRATIVE	"	3	P
.21	RADIOLOGY (90459.2121)			
.01	RADIOLOGY DATE/TIME	D0,21,D1 ,0	1	D
.02	RADIOLOGY PROCEDURE	"	2	P
.029	CPT CODE	"	3	P
.05	ABNORMAL	"	4	S
.22	SKIN TEST (90459.2222)			
.01	SKIN TEST DATE/TIME	D0,22,D1 ,0	1	D
.02	SKIN TEST	"	2	P
.04	RESULTS	"	3	S
.05	READING	"	4	N
.08	TEST READER	"	5	P
.23	IMMUNIZATION (90459.2323)			
.01	IMMUNIZATION DATE/TIME	D0,23,D1 ,0	1	D
.015	IMMUNIZATION	"	2	P
.04	SERIES	"	3	S
.05	LOT	"	4	P
.06	REACTION	"	5	P

6.5 Callable Routines

HMS remote procedures are used by iCare and are only available through the GUI. They are documented in the iCare manual.

6.6 Published Entry Points

6.6.1 ADATAX^BKMIXX

This utility retrieves dental information from the V DENTAL file based on a supplied dental taxonomy and date range. A target reference (could be global or local) is passed, which is updated with the information desired. The following variables can be included in the target reference and will, therefore, be returned to the calling routine:

Variable	Description
TEST	The internal entry number for the V DENTAL file
VISIT	The internal entry number for the visit data within the V DENTAL file
VSTDT	The visit date retrieved from the VISIT file

The following shows the Input Parameters.

Input Parameters	Description
DFN	Patient internal entry number
TAX	Taxonomy name
EDATE	End date to narrow the data by date range – this is optional, if no value is passed the date is not examined.
SDATE	Start date to narrow the data by date range – this is optional, if no value is passed the date is not examined.
TARGET	The target variable (global or local) that is updated with the requested data, for example: ^TMP("Routine Name", \$J, "Dental", DFN, VSTDT, VISIT) or TEMP(VSTDT, VISIT)

The following parameters may be passed by reference if the calling routine needs the information described below. Note that these values are not initialized in this function; therefore, any values passed in will be used by the algorithms associated with each field.

Input Parameters	Description
LDATE	Last date found in the selected date range. This is an optional parameter which will be passed by reference.
LIEN	The internal entry number associated with the last date found in the selected date range. This is an optional parameter which will be passed by reference.

Input Parameters	Description
CNT	Count of the number of records found within the selected date range. This is an optional parameter which will be passed by reference.

6.6.2 PTEDTAX^BKMIXX

This utility retrieves patient education information from the V PATIENT ED file based on a date range and a supplied list of keywords/abbreviations and/or ICD taxonomy. The Patient Education Mnemonic field is examined to see if the patient education topic code list (passed in variable TAX) or taxonomy is included. A target reference (could be global or local) is passed that is updated with the information desired. The following variables can be included in the target reference and will, therefore, be returned to the calling routine.

Variable	Description
TEST	The internal entry number for the V PATIENT ED file
VISIT	The internal entry number for the visit data within the V PATIENT ED file
VSTDT	The visit date retrieved from the VISIT file

The following shows the input parameters.

Input Parameters	Description
DFN	Patient internal entry number
TAX	PATIENT EDUCATION TOPIC CODE LIST to search for. Example 1: "CD,-CD,AOD,-AOD" Example 2: "BGP HIV/AIDS DXS" In the first example, the mnemonic field is examined to see if any of the phrases specified, (i.e. "CD-", "-CD", "AOD-" or "-AOD") are contained in it. In the second example, the mnemonic field is examined to see if any of the ICD9 codes identified in the supplied taxonomy (i.e. BGP HIV/AIDS DXS) are contained in it.
EDATE	End date to narrow the data by date range. This is optional. If no value is passed the date is not examined.
SDATE	Start date to narrow the data by date range. This is optional. If no value is passed the date is not examined.
TARGET	The target variable (global or local) that is updated with the requested data, for example: ^TMP("Routine Name",\$J,"PAT ED",DFN,VSTDT,VISIT) or TEMP(VSTDT,VISIT) and set to the ICD DIAGNOSIS field located in the V PATIENT ED file.

The following parameters may be passed by reference if the calling routine needs the information described below. Note that these values are not initialized in this function; therefore, any values passed in will be used by the algorithms associated with each field.

Input Parameters	Description
LDATE	Last date found in the selected date range. This is an optional parameter that will be passed by reference.
LIEN	The internal entry number associated with the last date found in the selected date range. This is an optional parameter that will be passed by reference.
CNT	Count of the number of records found within the selected date range. This is an optional parameter that will be passed by reference.

6.6.3 CPTTAX^BKMIXX

This utility retrieves CPT-related patient information from the V CPT file based on a supplied CPT taxonomy and date range. A target reference (could be global or local) is passed that is updated with the information desired. The following variables can be included in the target reference and will, therefore, be returned to the calling routine.

Variable	Description
TEST	The internal entry number for the V CPT file
VISIT	The internal entry number for the visit data within the V CPT file
VSTDT	The visit date retrieved from the VISIT file

The following shows the Input Parameters

Input Parameters	Description
DFN	Patient internal entry number
TAX	Taxonomy name
EDATE	End date to narrow the data by date range. This is optional. If no value is passed, the date is not examined.
SDATE	Start date to narrow the data by date range. This is optional. If no value is passed, the date is not examined.
TARGET	The target variable (global or local) that is updated with the requested data, for example: ^TMP("Routine Name", \$J, "CPT", DFN, VSTDT, VISIT) or TEMP(VSTDT, VISIT) and set to the PROVIDER NARRATIVE field located in the V CPT file.

The following parameters may be passed by reference if the calling routine needs the information described below. Note that these values are not initialized in this function; therefore, any values passed in will be used by the algorithms associated with each field.

Input Parameters	Description
LDATE	Last date found in the selected date range. This is an optional parameter that will be passed by reference.
LIEN	The internal entry number associated with the last date found in the selected date range. This is an optional parameter that will be passed by reference.
CNT	Count of the number of records found within the selected date range. This is an optional parameter that will be passed by reference.

6.6.4 HFTAX^BKMIXX

This utility retrieves health-factors-related patient information from the V HEALTH FACTORS file based on a supplied Health Factors taxonomy and date range. A target reference (could be global or local) is passed that is updated with the information desired. The following variables can be included in the target reference and will, therefore, be returned to the calling routine.

Variable	Description
TEST	The internal entry number for the V HEALTH FACTORS file
VISIT	The internal entry number for the visit data within the V HEALTH FACTORS file
VSTDT	The visit date retrieved from the VISIT file

The following shows the Input Parameters.

Input Parameters	Description
DFN	Patient internal entry number
TAX	Taxonomy name
EDATE	End date to narrow the data by date range. This is optional. If no value is passed, the date is not examined.
SDATE	Start date to narrow the data by date range. This is optional. If no value is passed, the date is not examined.

Input Parameters	Description
TARGET	The target variable (global or local) that is updated with the requested data, for example: ^TMP("Routine Name", \$J, "HF", DFN, VSTDT, VISIT) or TEMP(VSTDT, VISIT) and set to the external value of the LEVEL/SEVERITY code located in the V HEALTH FACTORS file.

The following parameters may be passed by reference if the calling routine needs the information described below. Note that these values are not initialized in this function; therefore, any values passed in will be used by the algorithms associated with each field.

Input Parameters	Description
LDATE	Last date found in the selected date range. This is an optional parameter that will be passed by reference.
LIEN	The internal entry number associated with the last date found in the selected date range. This is an optional parameter that will be passed by reference.
CNT	Count of the number of records found within the selected date range. This is an optional parameter that will be passed by reference.

6.6.5 LABTAX^BKMIXX

This utility retrieves laboratory-related patient information from the V LAB file based on a supplied Laboratory taxonomy and date range. A target reference (could be global or local) is passed that is updated with the information desired. The following variables can be included in the target reference and will, therefore, be returned to the calling routine.

Variable	Description
TEST	The internal entry number for the V LAB file
VISIT	The internal entry number for the visit data within the V LAB file
VSTDT	The visit date retrieved from the VISIT file

The following shows the Input Parameters.

Input Parameters	Description
DFN	Patient internal entry number
TAX	Laboratory Taxonomy name

Input Parameters	Description
EDATE	End date to narrow the data by date range. This is optional. If no value is passed, the date is not examined.
SDATE	Start date to narrow the data by date range. This is optional. If no value is passed, the date is not examined.
TARGET	The target variable (global or local) that is updated with the requested data, for example: ^TMP("Routine Name",\$J,"LAB",DFN,VSTDT,VISIT) or TEMP(VSTDT,VISIT) and set to the RESULTS field located in the V LAB file.

The following parameters may be passed by reference if the calling routine needs the information described below. Note that these values are not initialized in this function; therefore, any values passed in will be used by the algorithms associated with each field.

Input Parameters	Description
LDATE	Last date found in the selected date range. This is an optional parameter that will be passed by reference.
LIEN	The internal entry number associated with the last date found in the selected date range. This is an optional parameter that will be passed by reference.
CNT	Count of the number of records found within the selected date range. This is an optional parameter that will be passed by reference.

6.6.6 LOINC^BKMIXX

This utility retrieves laboratory-related patient information from the V LAB file based on a supplied LOINC taxonomy and date range. A target reference (could be global or local) is passed that is updated with the information desired. The following variables can be included in the target reference and will, therefore, be returned to the calling routine.

Variable	Description
TEST	The internal entry number for the V LAB file
VISIT	The internal entry number for the visit data within the V LAB file
VSTDT	The visit date retrieved from the VISIT file

The following shows the input parameters.

Input Parameters	Description
DFN	Patient internal entry number
TAX	Taxonomy name
EDATE	End date to narrow the data by date range. This is optional. If no value is passed, the date is not examined.
SDATE	Start date to narrow the data by date range This is optional. If no value is passed, the date is not examined.
TARGET	The target variable (global or local) that is updated with the requested data, for example: ^TMP("Routine Name",\$J,"LAB",DFN,VSTDT,VISIT) or TEMP(VSTDT,VISIT) and set to the RESULTS field located in the V LAB file.

The following parameters may be passed by reference if the calling routine needs the information described below. Note that these values are not initialized in this function; therefore, any values passed in will be used by the algorithms associated with each field.

Input Parameters	Description
LDATE	Last date found in the selected date range. This is an optional parameter that will be passed by reference.
LIEN	The internal entry number associated with the last date found in the selected date range. This is an optional parameter that will be passed by reference.
CNT	Count of the number of records found within the selected date range. This is an optional parameter that will be passed by reference.

6.6.7 MEDTAX^BKMIXX

This utility retrieves medication-related patient information from the V MEDICATION file based on a supplied Medication taxonomy and date range. A target reference (could be global or local) is passed that is updated with the information desired. The following variables can be included in the target reference and will, therefore, be returned to the calling routine.

Variable	Description
TEST	The internal entry number for the V MEDICATION file
VISIT	The internal entry number for the visit data within the V MEDICATION file
VSTDT	The visit date retrieved from the VISIT file

The following shows the input parameters.

Input Parameters	Description
DFN	Patient internal entry number
TAX	Taxonomy name
EDATE	End date to narrow the data by date range. This is optional. If no value is passed the date is not examined.
SDATE	Start date to narrow the data by date range. This is optional. If no value is passed the date is not examined.
TARGET	The target variable (global or local) that is updated with the requested data, for example: ^TMP("Routine Name",\$J,"MED",DFN,VSTDT,VISIT) or TEMP(VSTDT,VISIT) and set to the GENERIC NAME, SIG, QUANTITY, and DAYS PRESCRIBED fields located in the V MEDICATION file.

The following parameters may be passed by reference if the calling routine needs the information described below. Note that these values are not initialized in this function; therefore, any values passed in will be used by the algorithms associated with each field.

Input Parameters	Description
LDATE	Last date found in the selected date range. This is an optional parameter that will be passed by reference.
LIEN	The internal entry number associated with the last date found in the selected date range. This is an optional parameter that will be passed by reference.
CNT	Count of the number of records found within the selected date range. This is an optional parameter that will be passed by reference.

6.6.8 PRBTAX^BKMIXX

This utility retrieves problem-related patient information from the PROBLEM file based on a supplied ICD taxonomy and date range. The problem file for the referenced patient and date range is scanned and the ICD taxonomy is reviewed to see if the related ICD code is included. A target reference (could be global or local) is passed that is updated with the information desired. The following variables can be included in the target reference and will, therefore, be returned to the calling routine.

Variable	Description
TEST	The internal entry number for the PROBLEM file
VISIT	A place holder since the PROBLEM file does not contain a VISIT pointer to the VISIT file.

Variable	Description
VSTDT	If a DATE OF ONSET is found, it is returned, otherwise if a DATE ENTERED is found it is returned, if neither date field is populated, the DATE LAST MODIFIED is returned.

The following shows the input parameters.

Input Parameters	Description
DFN	Patient internal entry number
TAX	Taxonomy name
EDATE	End date to narrow the data by date range. This is optional. If no value is passed, the date is not examined.
SDATE	Start date to narrow the data by date range. This is optional. If no value is passed, the date is not examined.
TARGET	The target variable (global or local) that is updated with the requested data, for example: ^TMP("Routine Name",\$J,"PROB",DFN,VSTDT,VISIT) or TEMP(VSTDT,VISIT) and set to the PROVIDER NARRATIVE field location in the PROBLEM file.

The following parameters may be passed by reference if the calling routine needs the information described below. Note that these values are not initialized in this function; therefore, any values passed in will be used by the algorithms associated with each field.

Input Parameters	Description
LDATE	Last date found in the selected date range. This is an optional parameter that will be passed by reference.
LIEN	The internal entry number associated with the last date found in the selected date range. This is an optional parameter that will be passed by reference.
CNT	Count of the number of records found within the selected date range. This is an optional parameter that will be passed by reference.

6.6.9 CVXTAX^BKMIXX1

This utility retrieves immunization-related patient information from the V IMMUNIZATION file based on a supplied CVX taxonomy and date range. The V IMMUNIZATION file for the referenced patient and date range is scanned and the CVX taxonomy is reviewed to see if the related CVX code is included. A target reference (could be global or local) is passed that is updated with the information desired. Assuming that the V IMMUNIZATION file includes a Contraindicated

Status, it will be returned. The following variables can be included in the target reference and will, therefore, be returned to the calling routine.

Variable	Description
TEST	The internal entry number for the V IMMUNIZATION file
VISIT	The internal entry number for the visit data within the V IMMUNIZATION file
VSTDT	The visit date retrieved from the VISIT file

The following shows the input parameters.

Input Parameters	Description
DFN	Patient internal entry number
TAX	Taxonomy name
EDATE	End date to narrow the data by date range. This is optional. If no value is passed, the date is not examined.
SDATE	Start date to narrow the data by date range. This is optional. If no value is passed, the date is not examined.
TARGET	The target variable (global or local) that is updated with the requested data, for example: ^TMP("Routine Name",\$J,"CVX",DFN,VSTDT,VISIT) or TEMP(VSTDT,VISIT) and set to the SERIES and CONTRAINDICATED fields location in the V IMMUNIZATION file.

The following parameters may be passed by reference if the calling routine needs the information described below. Note that these values are not initialized in this function; therefore, any values passed in will be used by the algorithms associated with each field.

Input Parameters	Description
LDATE	Last date found in the selected date range. This is an optional parameter that will be passed by reference.
LIEN	The internal entry number associated with the last date found in the selected date range. This is an optional parameter that will be passed by reference.
CNT	Count of the number of records found within the selected date range. This is an optional parameter that will be passed by reference.

6.6.10 EXAMTAX^BKMIXX1

This utility retrieves examination-related patient information from the V EXAM file based on a supplied Exam code and date range. A target reference (could be global or local) is passed that is updated with the information desired. The following variables can be included in the target reference and will, therefore, be returned to the calling routine.

Variable	Description
TEST	The internal entry number for the V EXAM file
VISIT	The internal entry number for the visit data within the V EXAM file
VSTDT	The visit date retrieved from the VISIT file

The following shows the input parameters.

Input Parameters	Description
DFN	Patient internal entry number
TAX	Taxonomy name
EDATE	End date to narrow the data by date range. This is optional. If no value is passed, the date is not examined.
SDATE	Start date to narrow the data by date range. This is optional. If no value is passed, the date is not examined.
TARGET	The target variable (global or local) that is updated with the requested data, for example: ^TMP("Routine Name",\$J,"EXAM",DFN,VSTDT,VISIT) or TEMP(VSTDT,VISIT) and set to the RESULT field located in the V EXAM file.

The following parameters may be passed by reference if the calling routine needs the information described below. Note that these values are not initialized in this function; therefore, any values passed in will be used by the algorithms associated with each field.

Input Parameters	Description
LDATE	Last date found in the selected date range. This is an optional parameter that will be passed by reference.
LIEN	The internal entry number associated with the last date found in the selected date range. This is an optional parameter that will be passed by reference.
CNT	Count of the number of records found within the selected date range. This is an optional parameter that will be passed by reference.

6.6.11 ICDTAX^BKMIXX1

This utility retrieves diagnosis-related patient information from the V POV file based on a supplied ICD taxonomy and date range. The V POV file for the referenced patient and date range is scanned and the ICD taxonomy is reviewed to see if the related ICD code is included. A target reference (could be global or local) is passed that is updated with the information desired. The following variables can be included in the target reference and will, therefore, be returned to the calling routine.

Variable	Description
TEST	The internal entry number for the V POV file
VISIT	The internal entry number for the visit data within the V POV file
VSTDT	The visit date retrieved from the VISIT file

The following shows the input parameters.

Input Parameters	Description
DFN	Patient internal entry number
TAX	Taxonomy name
EDATE	End date to narrow the data by date range. This is optional. If no value is passed, the date is not examined.
SDATE	Start date to narrow the data by date range. This is optional. If no value is passed, the date is not examined.
TARGET	The target variable (global or local) that is updated with the requested data, for example: ^TMP("Routine Name",\$J,"ICD",DFN,VSTDT,VISIT) or TEMP(VSTDT,VISIT) and set to the PROVIDER NARRATIVE field located in the V POV file.

The following parameters may be passed by reference if the calling routine needs the information described below. Note that these values are not initialized in this function; therefore, any values passed in will be used by the algorithms associated with each field.

Input Parameters	Description
LDATE	Last date found in the selected date range. This is an optional parameter that will be passed by reference.
LIEN	The internal entry number associated with the last date found in the selected date range. This is an optional parameter that will be passed by reference.
CNT	Count of the number of records found within the selected date range. This is an optional parameter that will be passed by reference.

6.6.12 NDCTAX^BKMIXX1

This utility retrieves medication-related patient information from the V MEDICATION file based on a supplied NDC taxonomy and date range. A target reference (could be global or local) is passed that is updated with the information desired. The following variables can be included in the target reference and will, therefore, be returned to the calling routine.

Variable	Description
TEST	The internal entry number for the V MEDICATION file
VISIT	The internal entry number for the visit data within the V MEDICATION file
VSTDT	The visit date retrieved from the VISIT file

The following shows the input parameters.

Input Parameters	Description
DFN	Patient internal entry number
TAX	Taxonomy name
EDATE	End date to narrow the data by date range. This is optional. If no value is passed, the date is not examined.
SDATE	Start date to narrow the data by date range. This is optional. If no value is passed, the date is not examined.
TARGET	The target variable (global or local) that is updated with the requested data, for example: ^TMP("Routine Name",\$J,"NDC",DFN,VSTDT,VISIT) or TEMP(VSTDT,VISIT) and set to the GENERIC NAME, SIG, QUANTITY, and DAYS PRESCRIBED fields located in the V MEDICATION file.

The following parameters may be passed by reference if the calling routine needs the information described below. Note that these values are not initialized in this function; therefore, any values passed in will be used by the algorithms associated with each field.

Input Parameters	Description
LDATE	Last date found in the selected date range. This is an optional parameter that will be passed by reference.
LIEN	The internal entry number associated with the last date found in the selected date range. This is an optional parameter that will be passed by reference.
CNT	Count of the number of records found within the selected date range. This is an optional parameter that will be passed by reference.

6.6.13 PRCTAX^BKMIXX1

This utility retrieves procedure-related patient information from the V PROCEDURE file based on a supplied Procedure taxonomy and date range. A target reference (could be global or local) is passed that is updated with the information desired. The following variables can be included in the target reference and will, therefore, be returned to the calling routine.

Variable	Description
TEST	The internal entry number for the V PROCEDURE file
VISIT	The internal entry number for the visit data within the V PROCEDURE file
VSTDT	The visit date retrieved from the VISIT file

The following shows the input parameters.

Input Parameters	Description
DFN	Patient internal entry number
TAX	Taxonomy name
EDATE	End date to narrow the data by date range. This is optional. If no value is passed, the date is not examined.
SDATE	Start date to narrow the data by date range. This is optional. If no value is passed, the date is not examined.
TARGET	The target variable (global or local) that is updated with the requested data, for example: ^TMP("Routine Name",\$J,"PROC",DFN,VSTDT,VISIT) or TEMP(VSTDT,VISIT) and set to the PROVIDER NARRATIVE field located in the V PROCEDURE file.

The following parameters may be passed by reference if the calling routine needs the information described below. Note that these values are not initialized in this function; therefore, any values passed in will be used by the algorithms associated with each field.

Input Parameters	Description
LDATE	Last date found in the selected date range. This is an optional parameter that will be passed by reference.
LIEN	The internal entry number associated with the last date found in the selected date range. This is an optional parameter that will be passed by reference.
CNT	Count of the number of records found within the selected date range. This is an optional parameter that will be passed by reference.

6.6.14 PTEDTAX^BKMIXX1

This utility retrieves patient-education-related information from the V PATIENT ED file based on a supplied Patient Education taxonomy and date range. A target reference (could be global or local) is passed that is updated with the information desired. The following variables can be included in the target reference and will, therefore, be returned to the calling routine.

Variable	Description
TEST	The internal entry number for the V PATIENT ED file
VISIT	The internal entry number for the visit data within the V PATIENT ED file
VSTDT	The visit date retrieved from the VISIT file

The following shows the input parameters.

Input Parameters	Description
DFN	Patient internal entry number
TAX	Taxonomy name
EDATE	End date to narrow the data by date range. This is optional. If no value is passed, the date is not examined.
SDATE	Start date to narrow the data by date range. This is optional. If no value is passed, the date is not examined.
TARGET	The target variable (global or local) that is updated with the requested data, for example: ^TMP("Routine Name",\$J,"PTED",DFN,VSTDT,VISIT) or TEMP(VSTDT,VISIT) and set to the ICD DIAGNOSIS field located in the V PATIENT ED file.

The following parameters may be passed by reference if the calling routine needs the information described below. Note that these values are not initialized in this function; therefore, any values passed in will be used by the algorithms associated with each field.

Input Parameters	Description
LDATE	Last date found in the selected date range. This is an optional parameter that will be passed by reference.
LIEN	The internal entry number associated with the last date found in the selected date range. This is an optional parameter that will be passed by reference.
CNT	Count of the number of records found within the selected date range. This is an optional parameter that will be passed by reference.

6.6.15 RADTAX^BKMIXX1

This utility retrieves radiology-related patient information from the V RADIOLOGY file based on a supplied CPT taxonomy and date range. The V RADIOLOGY file for the referenced patient and date range is scanned and the taxonomy is reviewed to see if the related CPT code is included. A target reference (could be global or local) is passed that is updated with the information desired. The following variables can be included in the target reference and will, therefore, be returned to the calling routine.

Variable	Description
TEST	The internal entry number for the V RADIOLOGY file
VISIT	The internal entry number for the visit data within the V RADIOLOGY file
VSTDT	The visit date retrieved from the VISIT file

The following shows the input parameters.

Input Parameters	Description
DFN	Patient internal entry number
TAX	Taxonomy name
EDATE	End date to narrow the data by date range. This is optional. If no value is passed, the date is not examined.
SDATE	Start date to narrow the data by date range. This is optional. If no value is passed, the date is not examined.
TARGET	The target variable (global or local) that is updated with the requested data, for example: ^TMP("Routine Name",\$J,"RAD",DFN,VSTDT,VISIT) or TEMP(VSTDT,VISIT) and set to the ABNORMAL field. If that field is not populated, the IMPRESSION field is passed. Both fields reside in the V RADIOLOGY file.

The following parameters may be passed by reference if the calling routine needs the information described below. Note that these values are not initialized in this function; therefore, any values passed in will be used by the algorithms associated with each field.

Input Parameters	Description
LDATE	Last date found in the selected date range. This is an optional parameter that will be passed by reference.
LIEN	The internal entry number associated with the last date found in the selected date range. This is an optional parameter that will be passed by reference.

Input Parameters	Description
CNT	Count of the number of records found within the selected date range. This is an optional parameter that will be passed by reference.

6.6.16 SKNTAX^BKMIXX1

This utility retrieves patient skin test information from the V SKIN TEST file based on a supplied Skin Test code and date range. A target reference (could be global or local) is passed that is updated with the information desired. The following variables can be included in the target reference and will, therefore, be returned to the calling routine.

Variable	Description
TEST	The internal entry number for the V SKIN TEST file
VISIT	The internal entry number for the visit data within the V SKIN TEST file
VSTDT	The visit date retrieved from the VISIT file

The following shows the input parameters.

Input Parameters	Description
DFN	Patient internal entry number
TAX	Taxonomy name
EDATE	End date to narrow the data by date range. This is optional. If no value is passed, the date is not examined.
SDATE	Start date to narrow the data by date range. This is optional. If no value is passed, the date is not examined.
TARGET	The target variable (global or local) that is updated with the requested data, for example: ^TMP("Routine Name",\$J,"SKIN",DFN,VSTDT,VISIT) or TEMP(VSTDT,VISIT) and set to the READING field located in the V SKIN TEST file.

The following parameters may be passed by reference if the calling routine needs the information described below. Note that these values are not initialized in this function; therefore, any values passed in will be used by the algorithms associated with each field.

Input Parameters	Description
LDATE	Last date found in the selected date range. This is an optional parameter that will be passed by reference.

Input Parameters	Description
LIEN	The internal entry number associated with the last date found in the selected date range. This is an optional parameter that will be passed by reference.
CNT	Count of the number of records found within the selected date range. This is an optional parameter that will be passed by reference.

6.6.17 CLNTAX^BKMIXX2

This utility retrieves visit-related patient information from the VISIT file based on a supplied Clinic Stop code and date range. A target reference (could be global or local) is passed that is updated with the information desired. The following variables can be included in the target reference and will, therefore, be returned to the calling routine.

Variable	Description
TEST	The internal entry number for the Clinic Stop Code
VISIT	The internal entry number for the visit data within the VISIT file
VSTDT	The visit date retrieved from the VISIT file

The following shows the input parameters.

Input Parameters	Description
DFN	Patient internal entry number
TAX	Taxonomy name
EDATE	End date to narrow the data by date range. This is optional. If no value is passed, the date is not examined.
SDATE	Start date to narrow the data by date range. This is optional. If no value is passed, the date is not examined.
TARGET	The target variable (global or local) that is updated with the requested data, for example: ^TMP("Routine Name",\$J,"CLINIC",DFN,VSTDT,VISIT) or TEMP(VSTDT,VISIT).

The following parameters may be passed by reference if the calling routine needs the information described below. Note that these values are not initialized in this function; therefore, any values passed in will be used by the algorithms associated with each field.

Input Parameters	Description
LDATE	Last date found in the selected date range. This is an optional parameter that will be passed by reference.
LIEN	The internal entry number associated with the last date found in the selected date range. This is an optional parameter that will be passed by reference.
CNT	Count of the number of records found within the selected date range. This is an optional parameter that will be passed by reference.

6.6.18 POVTAX^BKMIXX2

This utility retrieves patient information from the V POV file based on a supplied POV code and date range. A target reference (could be global or local) is passed that is updated with the information desired. The following variables can be included in the target reference and will, therefore, be returned to the calling routine.

Variable	Description
TEST	The internal entry number for the V POV file.
VISIT	The internal entry number for the visit data within the V POV file
VSTDT	The visit date retrieved from the VISIT file

The following shows the input parameters.

Input Parameters	Description
DFN	Patient internal entry number
TAX	POV Code
EDATE	End date to narrow the data by date range. This is optional. If no value is passed the date is not examined.
SDATE	Start date to narrow the data by date range. This is optional. If no value is passed the date is not examined.
TARGET	The target variable (global or local) that is updated with the requested data, for example: ^TMP("Routine Name",\$J,"POV",DFN,VSTDT,VISIT) or TEMP(VSTDT,VISIT).

The following parameters may be passed by reference if the calling routine needs the information described below. Note that these values are not initialized in this function; therefore, any values passed in will be used by the algorithms associated with each field.

Input Parameters	Description
LDATE	Last date found in the selected date range. This is an optional parameter that will be passed by reference.
LIEN	The internal entry number associated with the last date found in the selected date range. This is an optional parameter that will be passed by reference.
CNT	Count of the number of records found within the selected date range. This is an optional parameter that will be passed by reference.

6.6.19 PROCTAX^BKMIXX2

This utility retrieves patient information from the V PROCEDURE file based on a supplied Procedure code and date range. A target reference (could be global or local) is passed that is updated with the information desired. The following variables can be included in the target reference and will, therefore, be returned to the calling routine.

Variable	Description
TEST	The internal entry number for the V PROCEDURE file.
VISIT	The internal entry number for the visit data within the V PROCEDURE file
VSTDT	The visit date retrieved from the VISIT file

The following shows the input iarameters.

Input Parameters	Description
DFN	Patient internal entry number
TAX	Procedure Code
EDATE	End date to narrow the data by date range. This is optional. If no value is passed, the date is not examined.
SDATE	Start date to narrow the data by date range. This is optional. If no value is passed, the date is not examined.
TARGET	The target variable (global or local) that is updated with the requested data, for example: ^TMP("Routine Name",\$J,"PROC",DFN,VSTDT,VISIT) or TEMP(VSTDT,VISIT).

The following parameters may be passed by reference if the calling routine needs the information described below. Note that these values are not initialized in this function; therefore, any values passed in will be used by the algorithms associated with each field.

Input Parameters	Description
LDATE	Last date found in the selected date range. This is an optional parameter that will be passed by reference.
LIEN	The internal entry number associated with the last date found in the selected date range. This is an optional parameter that will be passed by reference.
CNT	Count of the number of records found within the selected date range. This is an optional parameter that will be passed by reference.

6.6.20 PRVTAX^BKMIXX2

This utility retrieves patient information from the V PROVIDER file based on a supplied Provider Class and date range. A target reference (could be global or local) is passed that is updated with the information desired. The following variables can be included in the target reference and will, therefore, be returned to the calling routine.

Variable	Description
TEST	The internal entry number for the Provider Class
VISIT	The internal entry number for the visit data within the V PROVIDER file
VSTDT	The visit date retrieved from the VISIT file

The following shows the input parameters.

Input Parameters	Description
DFN	Patient internal entry number
TAX	Provider class
EDATE	End date to narrow the data by date range. This is optional. If no value is passed, the date is not examined.
SDATE	Start date to narrow the data by date range. This is optional. If no value is passed, the date is not examined.
TARGET	The target variable (global or local) that is updated with the requested data, for example: ^TMP("Routine Name",\$J,"PROV",DFN,VSTDT,VISIT) or TEMP(VSTDT,VISIT).

The following parameters may be passed by reference if the calling routine needs the information described below. Note that these values are not initialized in this function; therefore, any values passed in will be used by the algorithms associated with each field.

Input Parameters	Description
LDATE	Last date found in the selected date range. This is an optional parameter that will be passed by reference.
LIEN	The internal entry number associated with the last date found in the selected date range. This is an optional parameter that will be passed by reference.
CNT	Count of the number of records found within the selected date range. This is an optional parameter that will be passed by reference.

6.6.21 REFUSAL^BKMIXX2

This utility retrieves refusal information associated with a supplied taxonomy, laboratory taxonomy, or item-specific code. The file number associated with the refusal is passed along with an optional date range. The file number dictates the method used to identify the data. The following variables can be included in the target reference and will, therefore, be returned to the calling routine.

Variable	Description
TEST	The internal entry number for the PATIENTS REFUSALS FOR SERVICE/NMI file
VSTDT	The date of the Patient Refusal

The following shows the input parameters.

Input Parameters	Description
DFN	Patient internal entry number
RFILE	File number to which the refusal refers
EDATE	End date to narrow the data by date range. This is optional. If no value is passed, the date is not examined.
SDATE	Start date to narrow the data by date range. This is optional. If no value is passed, the date is not examined.
TARGET	The target variable (global or local) that is updated with the requested data, for example: ^TMP("Routine Name",\$J,"REF",DFN,VSTDT,VISIT) or TEMP(VSTDT,VISIT) and set to the REASON FOR REFUSAL and REFUSAL TYPE fields located in the PATIENTS REFUSALS FOR SERVICE/NMI file.

The following parameters may be passed by reference if the calling routine needs the information described below. Note that these values are not initialized in this function; therefore, any values passed in will be used by the algorithms associated with each field.

Input Parameters	Description
LDATE	Last date found in the selected date range. This is an optional parameter that will be passed by reference.
LIEN	The internal entry number associated with the last date found in the selected date range. This is an optional parameter that will be passed by reference.
CNT	Count of the number of records found within the selected date range. This is an optional parameter that will be passed by reference.

6.6.22 WHTAX^BKMIXX2

This utility retrieves women's-health-related information from the BW PROCEDURE file based on a supplied Women's Health Procedure Type code and date range. A target reference (could be global or local) is passed that is updated with the information desired. The following variables can be included in the target reference and will, therefore, be returned to the calling routine.

Variable	Description
TEST	The internal entry number for the BW PROCEDURE file
VISIT	The internal entry number for the visit data within the BW PROCEDURE file
VSTDT	The Date of Procedure retrieved from the BW PROCEDURE file.

The following shows the input parameters.

Input Parameters	Description
DFN	Patient internal entry number
RFILE	Women's health procedure type code
EDATE	End date to narrow the data by date range. This is optional. If no value is passed, the date is not examined.
SDATE	Start date to narrow the data by date range. This is optional. If no value is passed, the date is not examined.
TARGET	The target variable (global or local) that is updated with the requested data, for example: ^TMP("Routine Name",\$J,"WH",DFN,VSTDT,VISIT) or TEMP(VSTDT,VISIT) and set to the RESULTS/DIAGNOSIS field located in the BW PROCEDURE file.

The following parameters may be passed by reference if the calling routine needs the information described below. Note that these values are not initialized in this

function; therefore, any values passed in will be used by the algorithms associated with each field.

Input Parameters	Description
LDATE	Last date found in the selected date range. This is an optional parameter that will be passed by reference.
LIEN	The internal entry number associated with the last date found in the selected date range. This is an optional parameter that will be passed by reference.
CNT	Count of the number of records found within the selected date range. This is an optional parameter that will be passed by reference.

6.6.23 BLDTAX^BKMIXX5

This utility uses the supplied Taxonomy name to construct an array that can be used to scan various V-File cross-references to see which records match an entry in the taxonomy. Currently supported Taxonomies are as follows (where FILE is field #.15 in the TAXONOMY file #9002226):

- **ICD9 Diagnoses** via ICD9 codes (^ICD9 - FILE 80)
- **ICD9 Procedures** via ICD9 codes (^ICD0 - FILE 80.1)
- **CPT Procedures** via CPT codes (^ICPT - FILE 81)
- **Medications** via NDC codes (^PSDRUG - FILE 2)
- **Medications** via MED IEN (^PSDRUG - FILE 50)
- **Laboratory tests** via LOINC codes (^LAB(60) - FILE 95.3)
- **Patient Education Topics** by name (^AUTTEDT - FILE 9999999.09)

Note: This uses BLDTAX1^BKMIXX5 when providing a list of partial Patient Education Topic Codes to match.

- **Immunizations** via HL7/CVX codes (^AUTTIMM - FILE 9999999.14)
- **Health Factors** by name (^AUTTHF - FILE 9999999.64) (where FILE is field #.09 in the LAB TAXONOMY file #9002228)
- **Laboratory Tests** via LAB IEN (^LAB(60) - FILE 60)

Input Parameters	Description
TAX	Taxonomy or Lab Taxonomy name

Input Parameters	Description
TARGET	The target variable (global or local) that is updated with the requested data in the form: @TARGET@(IEN)=NAME (.01 field)

6.6.24 EN^BKMRMDR

This utility returns STI raw data and numerator- and denominator-related information. You can specify a particular STI, all STIs, or only key STIs.

Input Parameters	Description
BKDFN	Patient internal entry number
BKBDT	The beginning date range
BKEDT	The ending date range
BKTYP	The type of reminder
ARRAY	The target variable (global or local) updated with the STI-related data that is passed by reference
VALUE	The target variable (global or local) updated with the STI related denominator and numerator data that is passed by reference

6.6.25 EN^BKMSTIDS

This utility returns STI screening data for use with the CRS package. You can specify a particular STI, all STIs, or only key STIs.

Input Parameters	Description
BKDFN	Patient internal entry number
RPSDT	Report start date in FileMan date format
RPEDT	Report end date in FileMan date format
BKTYPE	The type of STI data, defaults to 'Key'
BKARRAY	Array to return raw data
BKSTIY	Array to return data by totals

6.6.26 REMIND^BKMVF3

This utility constructs a list of HMS reminders for the requested patient using a series of HMS-related taxonomies and returning, in the supplied global or local target (LIST), the date of the last related procedure, test, immunization, etc. and the related due date.

Input Parameters	Description
DFN	Patient internal entry number
BDATE	The base (starting) date for the search
LIST	The target variable (global or local) updated with the HMS related reminder data that is passed by reference.

6.7 Exported Options

Option Name	Description
APCL TAXONOMY SETUP	Access taxonomy management functions
BKM Audit Cumulative Report	Print a Cumulative Audit Report
BKM Audit Menu	Register Audit Menu
BKM Audit Option Access	Print Option Access Audit Report
BKM Audit Patient Print	Print A Patient Audit Trail
BKM Audit Purge	Purge a Register Audit Trail
BKM Audit Register Print	Print An Audit Trail for one Register
BKM Audit User Print	Print An Audit Trail of a User
BKM HMS Health Sum Sup	Print HMS Health Summary Supplement
BKM HMS State Reporting Status	State Reporting Status
BKM Package Turn Off	Turn off roll and scroll HMS
BKM Provider Guidelines E/E	Enter/Edit Provider Guidelines
BKM Provider Guidelines Print	Print/Display Provider Guidelines
BKM Register User List	Print a list of Register Users
BKM STI Display	Display STI data
BKMOV Add/Rem Users	Add/Remove HMS Auth Users
BKMOV Auto Pop Reg	Auto Populate Register
BKMOV Autopopulate Run Status	Current status of an Auto-Populate run
BKMOV Background Auto Pop	Schedule the Auto-Populate Candidate List
BKMOV Clinical Reminders	Clinical Reminders For Patients
BKMOV Delete Reg Pats	Delete patients from HMS Register
BKMOV Display HMS Log	Display HMS Log
BKMOV Due/Overdue Report	Due/Overdue Report
BKMOV Man Add Patients	Manually add patients
BKMOV Manager Utilities	Manager Utilities
BKMOV Not Accepted Patients	Not Accepted Candidates List
BKMOV Other Reports	Other Reports

Option Name	Description
BKMV Other RPMS	Other RPMS
BKMV Patient Management	Patient Management
BKMV Populate Register	Populate Register
BKMV Print Item Protocols	Print Health Maint Item Prot, Not Started
BKMV Prod HMS Sup/Sum	Produce Health Supplement For Patient
BKMV Register Management	Register Management
BKMV Rep Patient Diag	Patient Diagnosis Report
BKMV Rep Patient Visit	Patient Visit Report
BKMV Rep Quality Care	Quality Of Care Audit Report
BKMV Rep Reg Master List	Register Master List
BKMV Rep State	State Reporting Status Report
BKMV Rep Surveillance	Surveillance Reports
BKMV Reports	Reports
BKMV Rev/Edt Patient Record	Review/Edit Patient HMS Record Data
BKMV Site Param Setup	Site Parameter Setup
BKMV SPS Main	Review/Edit Site Parameters
BKMV SSR	State Surveillance Report
BKMV State Reporting	HMS State Reporting Status Report
BKMV Supplement Setup	Supplement Setup, Not Started
BKMV Taxonomy Check	Taxonomy Check
BKMV Taxonomy Setup	Taxonomy Setup
BKMV Update Unrev Pat	Edit Unreviewed Patients
BKMV Upload Pat Reg Temp	Populate Register From Q-Man Template
BKMV User Account Setup	User Account Setup, See User Maintenance
BKMV User Maintenance	User Maintenance
BKMVMENU	HMS Main Menu

7.0 Internal Relations

All functions within this application work independently.

8.0 Archiving and Purging

There is no archiving or purging in this package.

9.0 Documentation Resources

This section describes a few methods to generate HMS technical documentation.

9.1 %INDEX Option

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

Running %INDEX for a specified set of routines allows users to discover any deviations from RPMS programming standards that exist in the selected routines and see how routines interact with one another (i.e., which routines call or are called by other routines).

To run %INDEX for the Patient Registration package, type the BQI namespace at the Routine(s)?> prompt.

9.2 List File Attributes Option

This VA FileMan option allows users 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 that the specified file points to
- 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 Patient Registration package files, please refer to Section **Error! Reference source not found.**

10.0 SAC Requirements/Exemptions

There are no SAC Requirements/Exemptions for this package.

11.0 Templates, Forms, and Protocols

11.1 Print Templates

The following is a list of exported print templates.

Print Template	File
BKM BASIC LIST	HMS REGISTRY (#90451)
BKMV AUTOPOPULATE RUN STATUS	HMS BASE (#90450)
BKMV CLT AUDIT REPORT	HMS AUDIT (#90455)
BKMV HIV PATIENT RECORD PRINT	HMS REGISTRY (#90451)
BKMV RX COST	PRESCRIPTION (#52)
BKMV RX COST	HMS REGISTRY (#90451)

11.2 Sort Templates

The following is a list of exported sort templates.

Sort Template	File
BKM CMGR COMMUNITY LIST	HMS REGISTRY (#90451)
BKM MY LIST CMGR BY DIAGNOSIS	HMS REGISTRY (#90451)
BKM MY LIST CMGR BY STATUS	HMS REGISTRY (#90451)
BKM MY LIST PR BY DIAGNOSIS	HMS REGISTRY (#90451)
BKM MY LIST PR BY STATUS	HMS REGISTRY (#90451)
BKM MY PATIENTS CMGR	HMS REGISTRY (#90451)
BKM MY PATIENTS PR	HMS REGISTRY (#90451)
BKM PR COMMUNITY LIST	HMS REGISTRY (#90451)
BKM REGISTER USER	ICM BASE (#90450)
BKM SRCH1	PATIENT (#9000001)
BKMV AUTOPOPULATE RUN	ICM BASE (#90450)
BKMV RX COST	PRESCRIPTION (#52)
BKMV RX COST	ICM REGISTRY (#90451)

11.3 Input Templates

The following is a list of exported input templates.

Input Template	File
BKM GENERIC	ICM REGISTRY (#90451)
BKM GUIDELINES ENTER/EDIT	ICM PROVIDER GUIDELINES (#90453)
BKM HIV MAIN	ICM REGISTRY (#90451)
BKM LOCK	ICM BASE (#90450)
BKM STATE REPORTS	ICM REGISTRY (#90451)

Input Template	File
BKMV ELDER CARE (ADD)	VISIT (#9000010)
BKMV PATIENT RECORD	ICM REGISTRY (#90451)
BKMV PATIENT RECORD HAART	ICM REGISTRY (#90451)
BKMV PATIENT RECORD STATE	ICM REGISTRY (#90451)
BKMV PCC EDUC UPDATE	BKMV APD SCRATCH (#90459)
BKMV PCC ELDER EDIT	BKMV APD SCRATCH (#90459)
BKMV PCC EXAM EDIT	BKMV APD SCRATCH (#90459)
BKMV PCC HF UPDATE	BKMV APD SCRATCH (#90459)
BKMV PCC IMM EDIT	BKMV APD SCRATCH (#90459)
BKMV PCC LAB EDIT	BKMV APD SCRATCH (#90459)
BKMV PCC LAB UPDATE	ICM PCC ENTRY UPDATE (#90451.1)
BKMV PCC MED UPDATE	BKMV APD SCRATCH (#90459)
BKMV PCC MSR UPDATE	BKMV APD SCRATCH (#90459)
BKMV PCC PRC UPDATE	BKMV APD SCRATCH (#90459)
BKMV PCC RADIOLOGY UPDATE	BKMV APD SCRATCH (#90459)
BKMV PCC REF UPDATE	ICM PCC ENTRY UPDATE (#90451.1)
BKMV PCC SKIN UPDATE	BKMV APD SCRATCH (#90459)
BKMV RE PATIENT RECORD	ICM REGISTRY (#90451)
BKMV RECORD ETIOLOGY EDIT	ICM REGISTRY (#90451)
BKMV SITE PARAMETER SETUP	ICM BASE (#90450)
BKMV Test	ICM PCC ENTRY UPDATE (#90451.1)
BKMV UPD1 DIAGNOSIS	ICM REGISTRY (#90451)
BKMV UPD1 HAART	ICM REGISTRY (#90451)
BKMV UPD1 MAIN	ICM REGISTRY (#90451)
BKMV UPD1 PNOT	ICM REGISTRY (#90451)
BKMV UPD2 MAIN EDIT	ICM REGISTRY (#90451)

11.4 List Templates

The following is a list of exported list templates.

List Template
BKMV CANDIDATE DETAIL
BKMV GUIDELINES
BKMV LAB TAXONOMY DISPLAY
BKMV LAB TAXONOMY LIST
BKMV LAB TAXONOMY VIEW
BKMV LIST CANDIDATES
BKMV LIST NOT ACCEPTED
BKMV LIST PATIENTS
BKMV LIST USERS
BKMV NOT ACCEPTED DETAIL
BKMV PCC EDUC REVIEW
BKMV PCC EDUC UPDATE
BKMV PCC ELDER REVIEW

List Template
BKMV PCC ELDER UPDATE
BKMV PCC EXAM REVIEW
BKMV PCC EXAM UPDATE
BKMV PCC HF REVIEW
BKMV PCC HF UPDATE
BKMV PCC IMM REVIEW
BKMV PCC IMM UPDATE
BKMV PCC LAB REVIEW
BKMV PCC LAB UPDATE
BKMV PCC MED REVIEW
BKMV PCC MED UPDATE
BKMV PCC MSR REVIEW
BKMV PCC MSR UPDATE
BKMV PCC PRC REVIEW
BKMV PCC PRC UPDATE
BKMV PCC RADIOLOGY REVIEW
BKMV PCC RADIOLOGY UPDATE
BKMV PCC Ref UPDATE
BKMV PCC SKIN REVIEW
BKMV PCC SKIN UPDATE
BKMV R/E Patient Record
BKMV RECORD ALLERGIES
BKMV RECORD APPOINTMENTS
BKMV RECORD EDUC
BKMV Record Etiology
BKMV Record Labs
BKMV Record Meds
BKMV Record OI
BKMV RECORD PROB LIST
BKMV Record Rad
BKMV Record Reminder
BKMV Review Auto Patients
BKMV Site Parameter
BKMV TAXONOMY DISPLAY
BKMV TAXONOMY ITEMS DISPLAY
BKMV TAXONOMY ITEMS VIEW
BKMV TAXONOMY VIEW
BKMV UPD1 Diagnosis
BKMV UPD1 HAART
BKMV UPD1 State

11.5 Forms

The following is a list of exported print templates.

Print Template	File
BKMV EDIT LAB TAXONOMY	LAB TAXONOMY (#9002228)
BKMV EDIT TAXONOMY	TAXONOMY (#9002226)

11.6 Protocols

The following is a list of exported protocols.

Protocols
BKMV CANDIDATE ACCEPT
BKMV CANDIDATE EXPAND MENU
BKMV CANDIDATE HEALTH SUMMARY
BKMV CANDIDATE NOT ACCEPT
BKMV EDIT PATIENT RECORD
BKMV LAB TAXONOMY ADD
BKMV LAB TAXONOMY EDIT
BKMV LAB TAXONOMY LIST MENU
BKMV LAB TAXONOMY LIST SELECT
BKMV LAB TAXONOMY MENU
BKMV LAB TEST ADD
BKMV LAB TEST DELETE
BKMV LAB TEST EDIT
BKMV LABORATORY
BKMV LIST CANDIDATES ACCEPT
BKMV LIST CANDIDATES EXPAND
BKMV LIST CANDIDATES MENU
BKMV LIST CANDIDATES NOT ACCEPT
BKMV LIST NOT ACCEPTED ACCEPT
BKMV LIST NOT ACCEPTED EXPAND
BKMV LIST NOT ACCEPTED MENU
BKMV LIST PATIENTS MENU
BKMV LIST PATIENTS REMOVE
BKMV LIST USERS MENU
BKMV NOT ACCEPTED ACCEPT
BKMV NOT ACCEPTED EXPAND MENU
BKMV NOT ACCEPTED HEALTH SUMMARY
BKMV PCC EDUC ADD
BKMV PCC EDUC DELETE
BKMV PCC EDUC EDIT
BKMV PCC EDUC UPDATE MENU
BKMV PCC ELDER ADD
BKMV PCC ELDER DELETE
BKMV PCC ELDER EDIT
BKMV PCC ELDER UPDATE MENU
BKMV PCC EXAM ADD
BKMV PCC EXAM DELETE

Protocols
BKMV PCC EXAM EDIT
BKMV PCC EXAM UPDATE MENU
BKMV PCC HF ADD
BKMV PCC HF DELETE
BKMV PCC HF EDIT
BKMV PCC HF UPDATE MENU
BKMV PCC HF UPDATES
BKMV PCC IMM ADD
BKMV PCC IMM DELETE
BKMV PCC IMM EDIT
BKMV PCC IMM UPDATE MENU
BKMV PCC IMMUNIZATION
BKMV PCC LAB ADD
BKMV PCC LAB DELETE
BKMV PCC LAB EDIT
BKMV PCC LAB UPDATE MENU
BKMV PCC MED ADD
BKMV PCC MED DELETE
BKMV PCC MED EDIT
BKMV PCC MED UPDATE MENU
BKMV PCC MSR ADD
BKMV PCC MSR DELETE
BKMV PCC MSR EDIT
BKMV PCC MSR UPDATE MENU
BKMV PCC PRC ADD
BKMV PCC PRC DELETE
BKMV PCC PRC EDIT
BKMV PCC PRC UPDATE MENU
BKMV PCC RADIOLOGY ADD
BKMV PCC RADIOLOGY DELETE
BKMV PCC RADIOLOGY EDIT
BKMV PCC RADIOLOGY UPDATE MENU
BKMV PCC REF EDIT
BKMV PCC REF UPDATE MENU
BKMV PCC SKIN ADD
BKMV PCC SKIN DELETE
BKMV PCC SKIN EDIT
BKMV PCC SKIN UPDATE MENU
BKMV R/E PATIENT RECORD MENU
BKMV RECORD ETIOLOGY EDIT
BKMV RECORD ETIOLOGY MAIN
BKMV RECORD ETIOLOGY UPDATE MENU
BKMV REP DUE/OVERDUE
BKMV REVIEW AUTO PATIENTS MENU
BKMV REVIEW EDIT UNREVIEWED

Protocols
BKMV SITE PARAMETER SETUP EDIT
BKMV SITE PARAMETER SETUP MENU
BKMV SUMMARY
BKMV TAXONOMY ADD
BKMV TAXONOMY EDIT
BKMV TAXONOMY ITEMS ADD
BKMV TAXONOMY ITEMS MENU
BKMV TAXONOMY ITEMS REMOVE
BKMV TAXONOMY MENU
BKMV TAXONOMY SELECT
BKMV TAXONOMY VIEW
BKMV UPD1 ADD PATIENT DATA
BKMV UPD1 ALLERGY REVIEW/EDIT
BKMV UPD1 APPOINTMENT REVIEW
BKMV UPD1 CLINICAL REMINDERS
BKMV UPD1 GENERATE REPORTS
BKMV UPD1 GUIDELINES
BKMV UPD1 HAART
BKMV UPD1 HAART APP DEL
BKMV UPD1 HAART COMP DEL
BKMV UPD1 HAART COMP EDIT
BKMV UPD1 HAART EDIT
BKMV UPD1 HAART UPDATE MENU
BKMV UPD1 LAB REVIEW/ORDER
BKMV UPD1 MAILMAN SEND
BKMV UPD1 MEDS REVIEW/ORDER
BKMV UPD1 NEW PATIENT RECORD
BKMV UPD1 NEXT PATIENT
BKMV UPD1 OPP INF/AIDS DEF ILL
BKMV UPD1 PATIENT EDUCATION
BKMV UPD1 PNOT EDIT
BKMV UPD1 PROB LIST VIEW/EDIT
BKMV UPD1 RADIOLOGY VIEW/EDIT
BKMV UPD1 REFERRAL REVIEW/ORDER
BKMV UPD1 STATE
BKMV UPD1 STATE EDIT
BKMV UPD1 STATE UPDATE MENU
BKMV UPD2 EDIT MAIN
BKMV UPD2 EDUCATION
BKMV UPD2 LABORATORY
BKMV UPD2 MEDICATION
BKMV UPD2 REFUSAL
BKMV UPDATE PATIENT DATA 2 MENU
BKMV USER ADD
BKMV USER ADD KEY

Protocols
BKMV USER CHANGE
BKMV USER DELETE
BKMV USER DELETE KEY
BKMV USER EDIT

12.0 Glossary

AIDS

Auto-Immune Deficiency Syndrome

API

Application Programmer Interface

BKM

Namespace for iCare files and routines

Case File Manager(s)

The system owner(s) of the individual CM application. The case file manager(s) will have full security access to the application to perform various setup functions and to assign access roles to other users.

Case Manager(s)

A term used to describe a particular type of clinical role within a clinic. Case managers are typically, but not always, nurses who perform clinical management tasks for specified groups of patients, e.g. diabetics.

CD4

T cell count

CDC

Centers for Disease Control, an agency within the Department of Health and Human Services (HHS)

CMS

Center for Medicaid and Medicare Services, an agency within the HHS

CMV

Cytomegalovirus

Cocci

Coccidioidomycosis (Valley Fever)

COTS

Commercial off the Shelf. Refers to commercially available software applications

CVD

Cardiovascular Disease

CVD MS

Cardiovascular Disease Management System

DOB

Date of Birth

DSM

Digital Standard Mumps

DX

Diagnosis

ED

Education

EHR

Electronic Health Record

EIA

Enzyme Immuno Assay, a specific type of laboratory test for Hepatitis C

FTA-ABS

Fluorescent Treponemal Antibody-Absorbed, a laboratory test for syphilis

GOTS

Government off the Shelf. Refers to existing Government-owned and -developed software applications.

GPRA

Government Performance and Results Act

GUI

Graphical User Interface

HAART

Highly Active Anti-Retroviral Therapy. Comprised of specific combinations of medications

HEP

Hepatitis. The types of Hepatitis testing and immunization related to treating HIV patients are Hepatitis A, B or C.

HIV

Human Immunodeficiency Virus

“Acute HIV” refers to the early stages of infection.

HIVQUAL2

HIV Quality of Care System

HMS

HIV Management System

HRN

Health Record Number within RPMS

HRSA

Health Resources and Services Administration, an agency within the HHS

I/T/U

IHS direct, tribal, and urban facilities. Using the abbreviation I/T/U generally means that all components of the Indian health care system are being referred to.

ICD Codes

One of several The International Classification of Disease code sets used by the healthcare industry to standardize data. The ICD is an international diagnostic coding scheme. In addition to diseases, ICD also includes several families of terms for medical-specialty diagnoses, health status, disablements, procedures, and reasons for contact with healthcare providers. IHS currently uses ICD-9 for coding.

ICM

The RPMS Integrated Case Management system, commonly referred to as iCare.

IHS

Indian Health Service

ITSC

Information Technology Support Center, currently referred to as Office of Information Technology (OIT)

MAC

Disseminated Mycobacterium Avium Complex Disease

OIT

Office of Information Technology. The organization within IHS responsible for development and maintenance of RPMS and related IT functions.

PCC

RPMS Patient Care Component, which functions within RPMS as a clinical data repository, storing visit-related data about a patient

PCC form

The paper form used in most I/T/U clinics on which the provider(s) document all data from the patient's visit. Used by data entry staff to type patient data into RPMS PCC.

PCC+

The RPMS PCC+ software produces automated, customizable PCC forms.

PEP

Post Exposure Prophylaxis

PEPC (or PEP-C)

Patient Education Protocols and Codes, documented in RPMS in PCC V Patient Education file

PIMC

Phoenix Indian Medical Center

POV

Purpose of Visit. In RPMS, ICD codes and narrative describing the patient's POV are documented in PCC V POV.

PPD

Purified Protein Derivative, a tuberculosis skin test

QI

Quality Improvement

RCIS

RPMS Referred Care Information System

REM

Reminder

RIBA

Recombinant immunoblot Assay, a specific type of laboratory test for Hepatitis C

RPMS

Resource and Patient Management System, a series of integrated software components that include clinical, administrative, and financial functions

RPR

Rapid Plasma Reagin, a laboratory test for syphilis

SAC

Standards and Conventions

SQA

Software Quality Assurance, the office within OIT responsible for ensuring that the system conforms to RPMS Programming Standards and Conventions

SRD

Software Requirements Document

STD

Sexually Transmitted Disease

Taxonomy

In RPMS, a grouping of functionally related data elements, such as ICD codes. For iCare, taxonomies will be used as definitions for diagnoses, procedures, laboratory tests, medications, and other clinical data types.

V-file

Visit File

Viral Load

For HMS, an HIV/RNA viral load laboratory test.

VMS

Virtual Memory System

13.0 Contact Information

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

Phone: (505) 248-4371 or (888) 830-7280 (toll free)

Fax: (505) 248-4363

Web: <http://www.ihs.gov/GeneralWeb/HelpCenter/Helpdesk/index.cfm>

Email: support@ihs.gov