



RESOURCE AND PATIENT MANAGEMENT SYSTEM

iCare Population Management GUI

(BQI)

Technical Manual

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Preface

The purpose of the Technical Manual is to provide technical information about the iCare Population Management (BQI) Graphical User Interface (GUI) package. The BQI package is designed to enable clinical case managers and providers to track, monitor, administer, and report on clinical care delivered to patients.

1.0 Introduction

The iCare Population Management GUI (BQI) software is a component of the Indian Health Service (IHS) Resource and Patient Management System (RPMS) that provides case management functions. Case management provides a mechanism to inform healthcare providers about single or multiple disease states and conditions and allows them to follow-up clinical interventions. RPMS 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.

The Technical Manual provides IHS site managers with a technical description of the BQI routines, files, menus, cross references, globals, and other necessary information required to effectively manage the iCare Population Management GUI system.

All routines, files, options, keys and remote procedure calls (RPC) are namespaced starting with the letters BQI. The file number range for this package is 90505–90509.99.

BQI incorporates the Human Immunodeficiency Virus (HIV) Management System (HMS). The routines and files associated with the HMS are namespaced BKM and the file number range is 90450–90459.99.

BQI provides the first interface to Care Management Event Tracking (CMET) functionality. The CMET functionality allows sites to track specific events and follow them to completion. In CMET, the events that can be tracked are related to women's health. CMET offers users the ability to track an event, enter findings, recommend follow-up events, and create and document patient notifications.

2.0 Orientation

The iCare package has no RPMS menu options for users. The only RPMS preparation specifically needed to run iCare is to install the Kernel Installation and Distribution System (KIDS) package, assign the appropriate Remote Procedure Call (RPC) menu option to users, and set up the appropriate background jobs. The rest of the iCare package is run and managed on the personal computer client. See the Installation Guide for details on server and client installation and configuration.

Interaction between iCare and the RPMS system is accomplished entirely through the use of RPCs. All RPCs in this package begin with the namespace letters BQI.

3.0 Implementation and Maintenance

The iCare system is designed to work with RPMS through a Windows® GUI application.

3.1 General Information

Table 3-1 shows the prerequisite patch requirements for successfully installing iCare.

Table 3-1: Prerequisite patch requirement

Package and Version	Associated Patch Designation(s)	Brief Patch Description
ICARE MANAGEMENT SYSTEM Version 2.4 Patch 3	BQI*2.4*3	iCARE Version 2.4 Patch 3
Taxonomy (ATX)	v5.1 Patch 13	Taxonomy
IHS ICD/CPT Lookup & Grouper (AICD)	v4.0	ICD data files
CRS (BGP)	v16.0	Clinical Reporting System v16

3.2 System Requirements

Table 3-2 shows the versions of other packages that must be installed for iCare to work properly.

Table 3-2: System requirements

Module	Minimum Version	Recommended Version
VA FileMan (DI)	v22.0 Patch 1018	v22.0 Patch 1019
VA Kernel (XU)	v8.0 Patch 1017	v8.0 Patch 1018
BMXNet (BMX)	v4.0 Patch 4	
IHS/VA Utilities (XB)	v3.0 through Patch 11	
Patient Information Management System (PIMS)	v5.3 through Patch 1017	
IHS Clinical Reporting (BGP)	v16.0	v16.0
PCC Data Entry (APCD)	v2.0 through Patch 10	
PCC Health Summary (APCH)	v2.0 through Patch 17	
QMAN (AMQQ)	v2.0 through Patch 21	
Taxonomy (ATX)	v5.1 through Patch 13	
HIV Management System (BKM)	v2.2	v2.2

Module	Minimum Version	Recommended Version
IHS Asthma Register (BAT)	v1.0 Patch 1	
IHS PCC Suite (BJPC)	v2.0 Patch 15	
Referred Care Info System (BMC)	v4.0 Patch 9	
Patient Registration (AG)	v7.2 Patch 4	
Immunization (BI)	v8.5 Patch 11	v8.5 Patch 11
EHR	v1.1 Patch 17	
iCare Management System (BQI)	v2.5	
IHS User Security Audit (BUSA)	v1.0	
IHS MU Performance Reports (APCM)	v1.0 Patch 7	
IHS ICD/CPT Lookup & Grouper (AICD)	v4.0	
Text Integration Utilities (TIU)	v1.0 Patch 1015	
Clinical Reminders (PXRM)	v2.0 Patch 1005	
Diabetes Management System (BDM)	v2.0 Patch 8	v2.0 Patch 9

3.3 Package-wide Variables

There are no package-wide BQI variables in RPMS.

3.4 Security Keys

Users already having keys AMHZ SUICIDE FORM ENTRY and/or APCDZ SUICIDE FORMS will be assumed to have access to view suicide forms in iCare.

Table 3-3 lists the security keys which govern iCare that can be assigned to users.

Table 3-3: Security Keys

Key Name	Description
BQIZCMED	Assigned to iCare users who are allowed to edit care management data. This includes editing existing RPMS register data.
BQIZMGR	Assigned to users who will manage the iCare system. It should not be given to the general RPMS user population.

Key Name	Description
BQIZTXED	Assigned to the small group of iCare users who are allowed to add and delete entries from site-specified taxonomies, such as Lab and Medication, and should not be given to the general RPMS user population.
BQIZMUMGR	Assigned to the person who has been designated as the Meaningful Use (MU) Coordinator.
BQIZIPCMGR	Assigned to the person who has been designated as the Improving Patient Care (IPC) Collaborative Coordinator.
BQIZEMPHLTH	Allows users to create and view an Employee Health Panel to monitor certain information about employees. Because of the sensitivity of the data, it should not be given to the general RPMS user population.

4.0 Menu Diagram

There are no RPMS menus in the BQI system. Client menus are discussed in detail in the *BQI User Manual*.

5.0 Routine

5.1 Routine List

Table 5-1 lists the iCare routines being released in this version of iCare and does not include all iCare routines.

Table 5-1: Routine List for CARE MANAGEMENT SYSTEM 2.5

BQI25POS	BQI25PRE	BQI25PU	BQI25PU1	BQICAPT	BQICASPM
BQICMPAT	BQICMUT1	BQICONPL	BQIDCAH3	BQIDCREG	BQIGPPL
BQIHEADR	BQIIPPNL	BQIMTCRD	BQIMTCRT	BQINIGH1	BQINIGH2
BQINIGH4	BQINIGHT	BQINOTR	BQIPDSC1	BQIPLCNV	BQIPLLAY
BQIPLRFU	BQIPLRFV	BQIPTCON	BQIREFPL	BQIRGACM	BQIRGASP
BQIRGCOP	BQIRGDBA	BQIRGDBL	BQIRGDMA	BQIRGHQC	BQIRMCHK
BQIRMDR	BQIRMDR1	BQIRMDR2	BQIRMIZ	BQISCHED	BQISYPNL
BQISYPRM	BQISYSIT	BQITASK	BQITASK1	BQITASK2	BQITASK3
BQITAXX5	BQITAXXP	BQITDBMI	BQITDINS	BQITDLAB	BQITRUT2
BQIUL2	BQIULPT				

5.2 Routines with Description

Table 5-2 describes each routine being released in this version of iCare and does not include all iCare routines.

Table 5-2: Routines with Descriptions

Routine	Description
BQI25POS	Post-install routine
BQI25PRE	Pre-install routine
BQI25PU	Post-install utility routine that sets up layout items.
BQI25PU1	Post-install utility routine that sets up care management sources.
BQICAPT	Routine gets the information about Community Alerts patients.
BQICASPM	Sets up Community Alerts Popup
BQICMPAT	Care Management Patient recalc routine
BQICMUT1	Care Management utility routine
BQICONPL	Consults by Panel routine
BQIDCAH3	Ad Hoc Lab search routine

Routine	Description
BQIDCREG	Ad Hoc register search routine
BQIGPPL	Natl Measures by Panel routine
BQIHEADR	Standard patient display header
BQIIPPNL	IPC Panel Aggregate
BQIMTCRD	Get Definition Details data routine
BQIMTCRT	Definition Details drop list routine
BQINIGH1	Nightly Job routine
BQINIGH2	Nightly Job routine
BQINIGH4	Nightly Job routine
BQINIGHT	Nightly Job routine
BQINOTR	iCare Notifications routine
BQIPDSC1	Panel Description routine
BQIPLCNV	Consults View routine
BQIPLLAY	Layouts routine
BQIPLRFU	Referrals list
BQIPLRFV	Referrals View routine
BQIPTCON	Consults by patient
BQIREFPL	Referrals by Panel routine
BQIRGACM	Register columns
BQIRGASP	Care Management update by patient
BQIRGCOP	COPD Care Management routine
BQIRGDBA	DM Audit Report
BQIRGDBL	Register columns detail
BQIRGDMA	Set up Audit fields routine
BQIRGHQC	HMS QOC columns routine
BQIRMCHK	Reminder duplicate check routine
BQIRMDR	Reminders routine
BQIRMDR1	Reminders routine
BQIRMDR2	Reminders routine
BQIRMIZ	Immunization Forecaster routine
BQISCHED	iCare Job scheduler
BQISYPNL	Auto re-populate report routine
BQISYPRM	System parameters routine
BQISYSIT	System jobs routine
BQITASK	Weekly Job routine
BQITASK1	Weekly Job routine

Routine	Description
BQITASK2	Weekly Job routine
BQITASK3	Weekly Job routine
BQITAXX5	Taxonomy routine
BQITAXXP	Taxonomy routine
BQITDBMI	BMI routine
BQITDINS	Insurance routine
BQITDLAB	Lab search routine
BQITRUT2	Search utility routine
BQIUL2	Utility routine
BQIULPT	Patient utility routine

5.3 Function List

5.3.1 \$\$AGE^BQIAGE

The \$\$AGE^BQIAGE program is copied from the computed AGE field (2,.033) that calculates the age of a person based on the date of birth (DOB) (2,.03) and either the current date (DT) or the date of death (DOD) (2,.351). The computed AGE field has been modified to use another date passed into this function instead of just the previous two dates, DT, and DOD (i.e., age as of the date passed). A qualifier may also be passed indicating that years (YRS), days (DYS), and months (MOS) should be returned.

- Input Parameter Description:
 - DO: Patient IEN
 - PDATE: Other date to compare against patient's DOB
 - QUAL: Include qualifier (YRS, DYS, MOS)
- Output Description:
 - Patient's age

5.3.2 \$\$VAL^BQICAVW

Returns the status and timeframe of a specific community alert

- Input Parameter Description:
 - NDUZ - User
 - NDCN - IEN of the alert
- Output Description:
 - Returns the status (STAT) and date

5.3.3 \$\$CDEF^BQICEVW

Returns the Care Management source default fields.

- Input Parameter Description:
 - Not applicable (N/A), but assumes the value of CARE is defined
 - CARE: The value of a View Source entry
- Output Description:
 - Returns a list of codes of data elements that can be viewed

5.3.4 \$\$CVW^BQICEVW

Retrieves a list of the fields for a Customized Care Management view.

- Input Parameter Description:
 - CARE: The value of a View Source entry
 - OWNR: Assumes the user
 - PLIEN: Assumes the panel
- Output Description:
 - Returns a list of codes of data elements that can be viewed

5.3.5 \$\$DFNC^BQICEVW

Returns the standard display order for a Care Management source.

- Input Parameter Description: N/A but assumes the value of CARE is defined
 - CARE: The value of a View Source entry
- Output Description:
 - Returns a list of codes of data elements that can be viewed

5.3.6 \$\$SFNC^BQICEVW

Returns the standard sort order for a Care Management source.

- Input Parameter Description: N/A but assumes the value of CARE is defined
 - CARE: The value of a View Source entry
- Output Description:
 - Returns a list of codes of data elements that can be viewed

5.3.7 \$\$TMPL^BQICEVW

Checks if a layout template is used for a panel.

- Input Parameter Description:
 - CARE: The value of a View Source entry
 - Assumes the owner of the panel and the panel IEN
- Output Description:
 - Returns a “0” if no layout template is being used or a “1” if a layout template is being used

5.3.8 \$\$FND^BQICMUTL

Determines what logic to pass to \$\$ITM^BQICMUTL to return the last entry for a specific data element for a specified Care Management source.

- Input Parameter Description:
 - CRN: Care Mgmt Source IEN
 - COLN: Column IEN
 - BQDFN: Patient IEN
- Output Description:
 - Returns the information about the most recent result value as 1 ^ Visit date ^ ^ Visit internal entry number ^ associated V file internal entry number ^ Result Value ^ “refusal” (if applicable)

5.3.9 \$\$FTAG^BQICMUTL

Determines what logic to pass to \$\$ITM^BQICMUTL to return the last entry for a specific data element for a specified Diagnostic Tag.

- Input Parameter Description:
 - TGN - Dx Tag IEN
 - COLN - Column IEN
 - BQDFN - Patient IEN
- Output Description:
 - Returns the information about the most recent result value as 1 ^ Visit date ^ ^ Visit internal entry number ^ associated V file internal entry number ^ Result Value ^ “refusal” (if applicable)

5.3.10 \$\$CDEF^BQICMVW

Returns the Care Management source default fields.

- Input Parameter Description:
 - N/A
- Output Description:
 - Returns a string of required and default fields delimited by \$C(29)
 - All optional fields are excluded.

5.3.11 \$\$CVW^BQICMVW

Returns the customized Care Management view for a panel.

- Input Parameter Description:
 - CARE: The value of a View Source entry
- Output Description:
 - Returns a list of codes of data elements that were customized

5.3.12 \$\$DFNC^BQICMVW

Returns the standard display fields for the Care Management view.

- Input Parameter Description:
 - N/A
- Output Description:
 - Returns a string of required and default fields delimited by \$C(29). All optional fields are excluded

5.3.13 \$\$SFNC^BQICMVW

Returns the standard sort order for the Care Management view.

- Input Parameter Description:
 - N/A
- Output Description:
 - Returns a string of required and default fields delimited by \$C(29). All optional fields are excluded

5.3.14 \$\$TMPL^BQICMVW

Checks if a layout template is used for a panel.

- Input Parameter Description:
 - CARE: The value of a View Source entry
- Output Description:
 - Returns a “0” if no layout template is being used or a “1” if a layout template is being used

5.3.15 \$\$PORD^BQIDCDF

Returns the parameter DESCRIPTION ORDER.

- Input Parameter Description:
 - SOURCE: Predefined panel name
 - PNAME: Parameter name
- Output Description:
 - Numeric value

5.3.16 \$\$PP^BQIDCDF

Returns the IEN of a predefined panel.

- Input Parameter Description:
 - SOURCE: Predefined panel name
- Output Description:
 - Returns the predefined panel IEN

5.3.17 \$\$FPAT^BQIFLAG

Checks if the patient has an active flag for the user and the user preferences.

- Input Parameter Description:
 - PDFN: Patient’s DFN
 - OWNR: DUZ of panel’s owner
 - BQIPREF: Array of owner’s preferences
 - TYPE: “A”ll, “S”hown, or “H”idden
- Output Description:
 - QFLG: Returns “1” if patient has an active flag

5.3.18 \$\$HME^BQIGPUTL

Returns home site from the BGP SITE PARAMETERS file.

- Input Parameter Description:
 - N/A
- Output Description:
 - BHOME: Returns the site (pointer to LOCATION FILE, #9999999.06)

5.3.19 \$\$LKP^BQIGPUTL

Returns the internal entry number in the ICARE SITE PARAMETERS file associated with the identified GPRA year.

- Input Parameter Description:
 - BQIGYR: The GPRA year, e.g. 2006
- Output Description:
 - Returns the IEN associated with BQIGYR

5.3.20 \$\$SPM^BQIGPUTL

Returns the IEN within the ICARE SITE PARAMETERS file.

- Input Parameter Description:
 - N/A
- Output Description:
 - Returns the IEN associated with ICARE SITE PARAMETERS file (#90508)

5.3.21 \$\$CVW^BQIGPVW

Returns the customized view for National Measures using mnemonics to identify the associated field.

- Input Parameter Description:
 - N/A
- Output Description:
 - Returns the field IEN; template name (if the template name exists); definition (if the definition exists); type which is “G”, DISPLAY which is a string of mnemonics identifying the display order sub-delimited by \$C(29); SORT which is a string of mnemonics identifying the sort order; and SDIR which is a string of mnemonics identifying the sort direction

5.3.22 \$\$DFNC^BQIGPVW

Returns the standard display order for National Measures using mnemonics to identify the associated field.

- Parameter Description:
 - N/A
- Output Description:
 - DVALUE: String of mnemonics identifying the display order sub-delimited by \$C(29)

5.3.23 \$\$GDEF^BQIGPVW

Returns the default National GPRA fields.

- Input Parameter Description:
 - N/A
- Output Description:
 - GVALUE: String of codes identifying the specific GPRA field delimited by \$C(29)

5.3.24 \$\$SFNC^BQIGPVW

Returns the standard National Measures sort order using mnemonics to identify the associated field.

- Input Parameter Description:
 - N/A
- Output Description:
 - SVALUE: String of mnemonics identifying the standard sort order sub-delimited by \$C(29)

5.3.25 \$\$TMPL^BQIGPVW

Checks if a layout template is used for a panel.

- Input Parameter Description:
 - CARE: Value of a View Source entry
 - Assumes the owner of the panel and the panel IEN
- Output Description:

- Returns a “0” if no layout template is being used or a “1” if a layout template is being used

5.3.26 \$\$PAT^BQIIPBNL

Determines if patient meets bundle criteria.

- Input Parameter Description:
 - DFN: Patient’s DFN
 - XX: Array of codes comprising the bundle.
- Output Description:
 - Returns a “N/A” if not applicable, “YES” if patient met the all of the bundle criteria, and “NO” if patient was no data available or did not meet all of the bundle criteria.

5.3.27 \$\$OPAT^BQIIPOTC

Gets the Outcome bundle by patient.

- Input Parameter Description:
 - CRN: Bundle internal entry number
 - DFN: Patient’s DFN
- Output Description:
 - Returns a “N/A” if not applicable, “{D} if deceased, “YES” if patient met the all of the bundle criteria, and “NO” if patient was no data available or did not meet all of the bundle criteria.

5.3.28 \$\$PAT^BQIIPOTC

Gets the sub-bundle value for the Outcome bundle components by patient.

- Input Parameter Description:
 - CRN: Bundle internal entry number
 - DFN: Patient’s DFN
 - CODE: Sub-Bundle code
- Output Description:
 - Returns a “N/A” if not applicable, “{D} if deceased, “YES” if patient met the all of the bundle criteria, and “NO” if patient was no data available or did not meet all of the bundle criteria.

5.3.29 \$\$TPN^BQILYUTL

Returns the IEN for the provided external template name.

- Input Parameter Description:
 - OWNR: Owner of the template
 - TEMPL: Template name (e.g. “Patient List Default”)
- Output Description:
 - The IEN of the template

5.3.30 \$\$DUP^BQINOTF

Checks for a duplicate iCare notification message.

- Input Parameter Description:
 - USR: User IEN
 - SUBJECT: Notification message subject
 - DATE: Date of the message
- Output Description:
 - Returns a “1” if not a duplicate message or a “0” if duplicate message on the same day

5.3.31 \$\$CVW^BQIPLCNV

Gets the customized view for consults for a panel

- Input Parameter Description:
 - OWNR: Owner internal entry number
 - PLIEN: Panel internal entry number
- Output Description:
 - RESULT - the template IEN, the template name, whether it is a default view, type, the display order, the sort order, and the sort direction

5.3.32 \$\$TMPL^BQIPLCNV

Checks if a layout template is used for the consults by panel

- Input Parameter Description:
 - N/A
- Output Description:

- Returns a 1 if a layout template is being used or 0 if a customized or system default is being used.

5.3.33 \$\$CSTA^BQIPLRF

Returns the current auto-populate status value.

- Input Parameter Description:
 - USR: Owner internal entry number
 - PLIEN: Panel internal entry number
- Output Description:
 - 1: Currently Running
 - 2: Pending
 - Null if completed

5.3.34 \$\$LCK^BQIPLRF

Attempts to lock a panel.

- Input Parameter Description:
 - USR: Owner internal entry number
 - PLIEN: Panel internal entry number
- Output Description:
 - Returns a “1” if it was able to lock the panel
 - Returns a “0” in the first piece and the user internal entry number and name of the user who currently has the panel locked in the second and third pieces, respectively

5.3.35 \$\$CVW^BQIPLRFV

Gets the customized view for referrals for a panel

- Input Parameter Description:
 - OWNR: Owner internal entry number
 - PLIEN: Panel internal entry number
- Output Description:
 - RESULT - the template IEN, the template name, whether it is a default view, type, the display order, the sort order, and the sort direction

5.3.36 \$\$TMPL^BQIPLRFV

Checks if a layout template is used for the referrals by panel

- Input Parameter Description:
 - N/A
- Output Description:
 - Returns a 1 if a layout template is being used or 0 if a customized or system default is being used.

5.3.37 \$\$CVW^BQIPLRVW

Returns the customized view for reminders for a panel.

- Input Parameter Description:
 - N/A but assumes user (DUZ, Owner, and Panel IEN)
- Output Description:
 - Returns the field IEN, the template name (if the template name exists); the definition (if the definition exists); the type which is “G”; DISPLAY which is a string of mnemonics identifying the display order sub-delimited by \$C(29); SORT which is a string of mnemonics identifying the sort order; and SDIR which is a string of mnemonics identifying the sort direction

5.3.38 \$\$TMPL^BQIPLRVW

The function checks if a layout template is used for a panel.

- Input Parameter Description:
 - Assumes the owner of the panel and the panel IEN
- Output Description:
 - Returns a “0” if no layout template is being used or a “1” if a layout template is being used

5.3.39 \$\$CPFL^BQIPLUTL

The \$\$ function determines if the passed owner and panel contain a panel filter value and, if so, it attempts to lock those panels.

- Input Parameter Description:
 - OWNR: Owner internal entry number
 - PLIEN: Panel internal entry number
- Output Description:

- Returns a “1” if it was able to lock the panel; if unsuccessful, it returns the panel filter information and the name of who has the record locked (if available)

5.3.40 \$\$DFNC^BQIPLVW

Returns the standard display order using mnemonics to identify the associated field.

- Input Parameter Description:
 - N/A
- Output Description:
 - DVALUE: String of mnemonics identifying the display order subdelimited by \$C(29)

5.3.41 \$\$SFNC^BQIPLVW

Returns the standard sort order using mnemonics to identify the associated field.

- Input Parameter Description:
 - N/A
- Output Description:
 - SVALUE: String of mnemonics identifying the standard sort order subdelimited by \$C(29)

5.3.42 \$\$CVW^BQIPLVWC

The \$\$ function returns the customized view for a panel.

- Input Parameter Description:
 - N/A but assumes user (DUZ, Owner and Panel IEN)
- Output Description:
 - Returns the field IEN; the template name (if the template name exists); the definition (if the definition exists); the type which is “G”; DISPLAY which is a string of mnemonics identifying the display order sub-delimited by \$C(29); SORT which is a string of mnemonics identifying the sort order; and SDIR which is a string of mnemonics identifying the sort direction.

5.3.43 \$\$TMPL^BQIPLVWC

Checks if a layout template is used for a panel.

- Input Parameter Description:

- Assumes the owner of the panel and the panel IEN
- Output Description:
 - Returns a “0” if no layout template is being used or a “1” if a layout template is being used

5.3.44 \$\$ISACTIVE^BQIPTINS

Checks if insurance is active for a specified effective date and expiration date range.

- Input Parameter Description:
 - EFFDT: Effective date
 - ENDDT: Expiration date
- Output Description:

Returns a 1 if active or 0 if inactive

5.3.45 \$\$IMM^BQIREM

Returns the immunization due/last information for immunization reminders.

- Input Parameter Description:
 - IDFN: Patient internal entry number
 - IMIEN: Immunization internal entry number
- Output Description:
 - Returns the RECOMMENDED DATE DUE (9002084.1,.04) and DATE PAST DUE (9002084.1,.05) fields from the BI PATIENT IMMUNIZATIONS DUE FILE for display in the Reminders section of iCare

5.3.46 \$\$LIMM^BQIREM

Returns information for a specific immunization.

- Input Parameter Description:
 - IDFN: Patient internal entry number
 - IMIEN: Immunization internal entry number
- Output Description:
 - Returns the Immunization date, the visit IEN and the immunization IEN

5.3.47 \$\$RDEF^BQIRMPL

Returns the reminders default.

- Input Parameter Description:
 - N/A
- Output Description:
 - String of mnemonics identifying the fields

5.3.48 \$\$FIND^BQISCHEd

Returns the IEN for an option.

- Input Parameter Description:
 - X: Option name, for example "BQI UPDATE TASK"
- Output Description:
 - X: The IEN of the option

5.3.49 \$\$ACST^BQITDUTL

Determines if a status is considered active for diagnostic tags.

- Input Parameter Description:
 - STAT: Status code ("A" for accepted; "N" for not accepted)
- Output Description:
 - Returns a "1" and the associated status if the status is active

5.3.50 \$\$ATAG^BQITDUTL

Determines if a particular Diagnostic tag is active for a patient.

- Input Parameter Description:
 - RDFN: Patient IEN
 - RTAG: Diagnostic internal entry number
- Output Description:
 - Returns the current status and associated effective date for the tag

5.3.51 \$\$CTAG^BQITDUTL

Find the current status of a Diagnostic tag.

- Input Parameter Description:
 - DFN: Patient IEN
 - TAG: Diagnostic tag internal entry number

- Output Description:
 - Returns the current status of the tag; “P”roposed, “A”ccepted, “N”ot “V” No Longer Valid, or “S”uperseded.

5.3.52 \$\$REG^BQITDUTL

Find the Associated Register status.

- Input Parameter Description:
 - BQIDFN: Patient IEN
 - BQITAG: Diagnostic tag internal entry number
- Output Description:
 - Returns a 1 if status is active and 0 if status is not active

5.3.53 \$\$NEGATIVE^BQITRUTL

Determines if a text lab result is negative.

- Input Parameter Description:
 - RESULT: lab result
- Output Description:
 - Returns a 1 if result is negative and 0 if result is not negative

5.3.54 \$\$POSITIVE^BQITRUTL

Determines if a text lab result is positive.

- Input Parameter Description:
 - RESULT: lab result
- Output Description:
 - Returns a 1 if result is positive and 0 if result is not positive

5.3.55 \$\$TAX^BQITRUTL

Determines if the patient has an entry that matches the criteria supplied.

- Input Parameter Description:
 - TMFRAME: Time frame to search for data
 - TAX: Taxonomy
 - NIT: Number of iterations

- PTDFN: Patient IEN
- FREF: File number reference
- PRB: If Active Problem okay
- SAME: If NIT is allowed for the same day or not (1 equals same day is acceptable)
- Output Description:
 - 1 ^ Visit date ^ ^ Visit or Problem internal entry number ^ associated V file internal entry number

5.3.56 \$\$MEAS^BQITUTL

Returns the most recent V Measurement value for a specified measurement.

- Input Parameter Description:
 - BQDFN: Patient IEN
 - MEAS: Measurement
- Output Description:
 - Returns “0” if no value found or 1^Visit Date^Result^Visit IEN^Measurement IEN if value found

5.3.57 \$\$CTRL^BQIUL1

Removes control characters from a string of data

- Input Parameter Description:
 - X: String of data
- Output Description:
 - Returns the string back

5.3.58 \$\$DATE^BQIUL1

Converts standard date/time to a FileMan date/time.

- Input Parameter Description:
 - DATE: Date/time in standard format
- Output Description:
 - Returns the date/time in FileMan format or a null if it was unsuccessful

5.3.59 \$\$FMTE^BQIUL1

Converts FileMan Date/Time to “MMM DD,CCYY HH:MM:SS” format.

- Input Parameter Description:
 - Y: FileMan date/time (e.g. 3051024.123456)
- Output Description:
 - Returns the Date/Time in External format (e.g. OCT 24,2005 12:34:56)

5.3.60 \$\$FMTMDY^BQIUL1

Converts FileMan date to MM/DD/YYYY format.

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

5.3.61 \$\$HRN^BQIUL1

Checks to see if patient has any active Health Record Numbers (HRNs).

- Input Parameter Description:
 - BQIDFN: Patient IEN
- Output Description:
 - Returns a “1” if the patient has at least one active HRN

5.3.62 \$\$STRIP^BQIUL1

Removes one or more trailing characters at the end of a string.

- Input Parameter Description:
 - STR: String of data
 - VAL: Delimiter character
- Output Description:
 - Returns the string without the trailing characters

5.3.63 \$\$TKO^BQIUL1

Takes off the ending character at the end of a string.

- Input Parameter Description:
 - STR: String of data
 - VAL: Character to be removed
- Output Description:
 - STR: Same STR without the trailing character(s)

5.3.64 \$\$TMPFL^BQIUL1

Temporary file handler designed for use when converting report text to RPC data strings

- Input Parameter Description:
 - MODE(Required) - 'R'(Read),'W'(Write),'C'(Close),'D'(Delete)
 - UID(Req'd for modes D,R,W) - Job identifier
 - DFN(Req'd for modes D,R,W) - Patient IEN
- Output Description:
 - Returns POP - 0 for success, 1 for failure

5.3.65 \$\$TRIM^BQIUL1

Removes one or more leading characters in a string.

- Input Parameter Description:
 - STR: String of data
 - VAL: Character to be removed from the string
- Output Description:
 - Returns the same string of data without the leading character(s)

5.3.66 \$\$VTHR^BQIUL1

Finds the most recent visit in the last three years for patient.

- Input Parameter Description:
 - BQIDFN: Patient IEN
- Output Description:
 - 1 ^ Visit IEN ^ Visit date or 0 ^^ if no visit

5.3.67 \$\$VTWR^BQIUL1

Finds the most recent visit in the last two years for patient.

- Input Parameter Description:
 - BQIDFN: Patient IEN
- Output Description:
 - 1 ^ Visit IEN ^ Visit date or 0 ^ ^ if no visit

5.3.68 \$\$PTR^BQIUL2

Finds a different value for a pointer other than .01.

- Input Parameter Description:
 - FIL: FileMan File Number
 - FLD: FileMan Field Number
 - VAL: Code Value
 - VPEC: Field other than .01 from which to get the data
- Output Description:
 - Returns the other value of the pointer field

5.3.69 \$\$STCC^BQIUL2

- Finds a value for a “set of codes” code.
- Input Parameter Description:
 - FIL: FileMan File Number
 - FLD: FileMan Field Number
 - VAL: Code Value
- Output Description:
 - Returns the external value of the code

5.3.70 \$\$ICD0^BQIUL3

Returns the value of a piece of the ICD PROCEDURE file (#80.1).

- Input Parameter Description:
 - VAL: ICD PROCEDURE IEN
 - IDT: ICD PROCEDURE date
 - PC: Piece of the string returned by ICD API that is being requested
- Output Description:
 - The piece of data in the string returned by the ICD API that corresponds with the data originally retrieved directly from ^ICD0

5.3.71 \$\$ICD9^BQIUL3

Returns the value of a piece of the ICD DIAGNOSIS file (#80).

- Input Parameter Description:
 - VAL: ICD DIAGNOSIS IEN
 - IDT: ICD DIAGNOSIS date
 - PC: Piece of the string returned by ICD API that is being requested
- Output Description:
 - The piece of data in the string returned by ICD API that corresponds with the data originally retrieved directly from ^ICD9

5.3.72 \$\$CALR^BQIULPT

Determines if the patient has community alerts associated with his/her community of residence.

- Input Parameter Description:
 - DFN: Patient IEN
- Output Description:
 - Returns a “Y” if there are associated community alerts or a “N” if there are none

5.3.73 \$\$FLG^BQIULPT

Obtains flag indicator for a specific user and panel.

- Input Parameter Description:
 - USR: User IEN
 - PANEL: Panel IEN
 - DFN: Patient IEN
- Output Description:
 - FLG: Returns a “Y” if the patient has an active flag

5.3.74 \$\$MFLAG^BQIULPT

If the patient was manually added to a panel, returns the current manual flag status.

- Input Parameter Description:
 - USR: User IEN
 - PANEL: Panel IEN

- DFN: Patient IEN
- Output Description:
 - “A” if the patient was manually added
 - “R” if the patient was manually remove
 - Blank if the patient was automatically added to the panel based on the associated criteria

5.3.75 \$\$SENS^BQIULPT

Checks to see if patient is designated as Sensitive and returns a flag (Y or N) to indicate if the patient is Sensitive.

- Input Parameter Description:
 - DFN: Patient IEN
- Output Description:
 - FLAG: Returns a “Y” if the patient is sensitive or a “N” if not

5.3.76 \$\$KEYCHK^BQIULSC

Checks to see if the security key was assigned to the user.

- Input Parameter Description:
 - KEY: Security key. If security key is not numeric, it is assumed that the security key was passed by name
 - USER: User internal entry number
- Output Description:
 - Returns a “1” if the security key is assigned to the user or a “0” if not

6.0 Files and Tables

6.1 File List

Table 6-1 contains a list of files in this version.

Table 6-1: File List

File #	Filename	Description
90505	ICARE USER	This file contains all definitions defined for users of iCARE. These definitions include panel definitions and user preferences.
90506	ICARE DEFINITIONS	This file contains the definitions for the predefined panels, my patients definitions, alert definitions and the ad hoc search definitions.
90506.1	ICARE PANEL VIEW	This file contains the list of columns that the user may see on their GUI screen in iCARE and the code that should be executed to return the column's data value.
90506.5	ICARE VIEW SOURCE	This file contains a list of all care management sources used in iCare.
90506.9	ICARE TIMEFRAMES	This file contains a list of all relative timeframes and their values. The timeframes are matched with variables used in iCare.
90507	ICARE REGISTRY INDEX	This file contains a mapping to other RPMS registers. This mapping is used to help the code find and retrieve a list of patients.
90507.1	ICARE WEB LINKS	This file contains a list of web links that are accessible from iCare.
90508	ICARE SITE PARAMETERS	This file contains any specific parameters defined for the site who has installed iCARE for example the GPRA year and it's summary measures.

6.2 File Access

Table 6-2 contains the FileMan access to the files in this version. In most cases, the iCare FileMan access is "@" for programmer only access.

Table 6-2: File Access

File #	Filename	GL	RD	WR	LYG	DD	DEL
90505	ICARE USER	^BQICARE	@	@	@	@	@
90506	ICARE DEFINITIONS	^BQI(90506,	@	@	@	@	@

File #	Filename	GL	RD	WR	LYG	DD	DEL
90506.1	ICARE PANEL VIEW	^BQI(90506.1,	@	@	@	@	@
90506.5	ICARE VIEW SOURCE	^BQI(90506.5,	@	@	@	@	@
90506.9	ICARE TIMEFRAMES	^BQI(90506.9,	@	@	@	@	@
90507	ICARE REGISTRY INDEX	^BQI(90507,	@	@	@	@	@
90507.1	ICARE WEB LINKS	^BQI(90507.1,	@	@	@	@	@
90508	ICARE SITE PARAMETERS	^BQI(90508,	@	@	@	@	@

6.3 Cross References

90505 (iCare User)

- .01 User
 - B Regular type cross reference
- .03 Specified Panel
 - SPNL Regular type cross reference

1 Panel Definition

- .01 Panel Name
 - B Regular type cross reference
- .06 Autopopulate Flag
 - AC Regular type cross reference
 - AC Whole file regular type cross reference
- 2.1 IPC Flag
 - AF Regular type cross reference
- 3.1 Autopopulate Order
 - MUMPS cross-reference
 - AF,Order#,Owner,Panel
- 3.7 Division
 - DIV Regular type cross-reference

4 Layout Templates

- .01 Layout Template
 - B Regular type cross reference
 - AD Regular Owner cross-reference
- .02 Type
 - C Regular type cross reference

10 Parameter Definition

- .01 Parameter Name
 - B Regular type cross reference
- .03 Specified Panel
 - SPNL Regular type cross reference

1 Multiple Parameters

- .01 Multiple Values
 - B Regular type cross reference

2 Assoc Parameters

- .01 Assoc Parameter
 - B Regular type cross-references

2 Assoc Parameters

- .01 Assoc Parameter
 - B Regular type cross reference

15 Filter Definition

- .01 Filter Name
 - B Regular type cross reference
- .02 Single Value
 - AD MUMPS type cross reference Owner, Panel Name, Owner, Panel IEN, Parameter IEN

1 Multiple Parameters

- .01 Multiple Values
 - B Regular type cross reference

2 Assoc Parameters

- .01 Assoc Parameter
 - B Regular type cross-references

2 Assoc Parameters

- .01 Assoc Parameter
 - B Regular type cross reference

20 Customized View

- .01 Customized View Field
 - B Regular type cross reference
- .02 Display Order
 - C Regular type cross reference
- .03 Sort Order
 - D Regular type cross reference

22 Reminders View

- .01 Reminder View
 - B Regular type cross reference
- .02 Display Order
 - AC Regular type cross reference
- .03 Sort Order
 - D Regular type cross reference

23 Source View

- .01 Source View
 - B Regular type cross reference

1 View Field

- .01 View Field
 - B Regular type cross reference

25 GPRA View

- .01 GPRA Field View Field
 - B Regular type cross reference
- .02 Display Order
 - C Regular type cross reference
- .03 Sort Order
 - D Regular type cross reference

26 Referrals View

- .01 Referral View
 - B Regular type cross reference
- .02 Display Order
 - C Regular type cross reference
- .03 Sort Order
 - D Regular type cross reference

27 Consults View

- .01 ConsultsView
 - B Regular type cross reference
- .02 Display Order
 - C Regular type cross reference
- .03 Sort Order
 - D Regular type cross reference

30 Shared Users

- .01 Shared User
 - B Regular type cross reference
 - C Regular type cross reference by Entire File

20 Customized View

- .01 Customized View Field
 - B Regular type cross reference
- .02 Display Order
 - C Regular type cross reference
- .03 Sort Order
 - D Regular type cross reference

22 Reminders View

- .01 Reminder View
 - B Regular type cross reference
- .02 Display Order

- AC Regular type cross reference
- .03 Sort Order
 - D Regular type cross reference

23 Source View

- .01 Source View
 - B Regular type cross reference

1 View Field

- .01 View Field
 - B Regular type cross reference

25 GPRA View

- .01 GPRA Field View Field
 - B Regular type cross reference
- .02 Display Order
 - C Regular type cross reference
- .03 Sort Order
 - D Regular type cross reference

26 Referrals View

- .01 Referral View
 - B Regular type cross reference
- .02 Display Order
 - C Regular type cross reference
- .03 Sort Order
 - D Regular type cross reference

27 Consults View

- .01 ConsultsView
 - B Regular type cross reference
- .02 Display Order
 - C Regular type cross reference
- .03 Sort Order
 - D Regular type cross reference

40 Patient List

- .01 Patient Name
 - B Regular type cross reference
 - AB Regular type cross reference by User
 - AB Regular type cross reference by Entire File

1 Matched Criteria

- .01 Matched Criteria
 - B Regular type cross reference

1 Record

- .01 Record
 - B Regular type cross reference

90506 (iCare Definitions)

- .01 Panel Name
 - B Regular type cross reference
- .05 Flag Order
 - AC Regular type cross reference

3 Parameters

- .01 Parameter Code
 - B Regular type cross reference
- .1 Description Order
 - AC Regular type cross reference
- .14 Parm-Desc Order-New
 - C Regular type cross reference

3 Choices

- .01 Choices
 - B Regular type cross reference
- .02 Maps to
 - AC Regular type cross reference

5 Parameter Desc Formatting

- .01 Set Priority
 - B Regular type cross reference

90506.1 (iCare Panel View)

- .01 Code
 - B Regular type cross reference
- .02 Display Order
 - C Regular type cross reference
- .03 Field Name
 - E Regular type cross reference
- .07 Sort Order
 - D Regular type cross reference
- 3.01 Source
 - AC New Style cross reference
- 3.01;3.05 Source,New Display Order
 - AD New Style cross reference
- 3.01;3.06 Source,New Sort Order
 - AE New Style cross reference
- 3.01;3.09 Source,Alternate Order
 - AF New Style cross reference

90506.5 (iCare View Source)

- .01 Name
 - B Regular type cross reference
- .02 Code
 - C Regular type cross reference
- .03 Associated Register
 - D Regular type cross reference

- .16 Nightly/Weekly Job
 - AD Regular type cross reference

5 Category

- .01 Category Code
 - B Regular type cross reference

6 Clinical Group

- .01 Clinical Group Code
 - B Regular type cross reference

10 Layout Fields

- .01 Lay Code
 - B Regular type cross reference
- .03 Name
 - C Regular type cross reference

90506.9 (iCare Timeframes)

- .01 Name
 - B Regular type cross reference
- .02 Old Timeframe
 - E Regular type cross reference
- .03 From
 - F Regular type cross-reference
- 1 Definition Variable**
 - .01;.02 Definition Variable,Display Order
 - D New Style cross-reference

90507 (iCare Registry Index)

- .01 Registry Name
 - B Regular type cross reference
- .17 Related To
 - C Regular type cross reference

10 Taxonomy

- .01 Taxonomy Name
 - B Regular type cross reference
- .02 Taxonomy Pointer
 - AC Regular type cross reference

15 Reminders

- .01 Reminders
 - B Regular type cross reference
- .09 Order
 - AC Regular type cross reference

20 Reports

- .01 Name
 - B Regular type cross reference

10 Taxonomy

- .01 Taxonomy
 - B Regular type cross reference

90507.1 (iCare Web Links)

- .01 Link
 - B Regular type cross reference

90508 (iCare Site Parameters)

- .01 Name
 - B Regular type cross reference
- .03 Priority
 - AC Regular type cross reference

5 Logic Definition

- .02 Taxonomy Name
 - C regular type cross reference
 - New Style Cross reference
- .02 and .03 Tag and Priority AD cross reference

6.4 Table File

This section contains a simplified structure for each of the files in this release.

Global: ^BQICARE(

Table 6-3: Table File: 90505 iCare User

Field #	Field Name	Subscript	Piece	Type
.01	USER	D0,0	1	P
.02	DEFAULT VIEW	D0,0	2	P
.03	SPECIFIED PANEL	D0,0	3	F
.04	SPEC PANEL OWNER	D0,0	4	P
.05	PATIENT SEARCH PREF	D0,0	5	S
.06	DATE/TIME LAST LOGIN	D0,0	6	D
.07	PATIENT VIEW	D0,0	7	P
.08	RECORD VIEW	D0,0	8	S
.09	DEFAULT CMET VIEW	D0,0	9	S
.1	CMET QUEUED TIPS	D0,0	10	S
.11	CMET QUEUED FILTERS	D0,0	11	S
.12	CMET TRACKED TIPS	D0,0	12	S
.13	CMET TRACKED FILTERS	D0,0	13	S

Field #	Field Name	Subscript	Piece	Type
.14	CMET FOLLOWUP TIPS	D0,0	14	S
.15	CMET FOLLOWUP FILTERS	D0,0	15	S
.16	*DEFAULT MU VIEW	D0,0	16	S
.17	USER ICARE GUI VERSION	D0,0	17	F
.18	DEFAULT CHART REV LOCATION	D0,0	18	P
.19	DEFAULT FOLLOWUP LTR LOCATION	D0,0	19	P
.2	DEFAULT TELEPHONE LOCATION	D0,0	20	P
.21	DEFAULT IPC VIEW	D0,0	21	S
1	PANEL DEFINITION (90505.01)			
.01	PANEL NAME	D0,1,D1,0	1	F
.02	DATE/TIME CREATED	D0,1,D1,0	2	D
.03	SOURCE TYPE	D0,1,D1,0	3	S
.04	DEFINITION LAST UPDATED BY	D0,1,D1,0	4	P
.05	DATE/TIME DEFN LAST UPDATED	D0,1,D1,0	5	D
.06	AUTOPOPULATE FLAG	D0,1,D1,0	6	S
.07	DATE/TIME LAST POPULATED	D0,1,D1,0	7	D
.08	PATIENT LIST UPDATED BY	D0,1,D1,0	8	P
.09	DATE/TIME PATIENT LIST UPDATED	D0,1,D1,0	9	D
.1	# OF PATIENTS	D0,1,D1,0	10	N
.11	SOURCE NAME	D0,1,D1,0	11	F
.12	PATIENT FLAG	D0,1,D1,0	12	S
.13	STATUS	D0,1,D1,0	13	S
.14	FILTER SOURCE NAME	D0,1,D1,0	14	F
.15	ASSOCIATED PANEL	D0,1,D1,0	1	N
.16	LAST LOCKED BY	D0,1,D1,0	2	P
1	PANEL DESCRIPTION	D0,1,D1,1	1	F

Field #	Field Name	Subscript	Piece	Type
2.1	IPC FLAG	D0,1,D1,2	1	S
2.2	CATEGORY	D0,1,D1,2	2	F
3.1	AUTOPOPULATE ORDER	D0,1,D1,3	10	N
3.3	GPRA YEAR	D0,1,D1,3	3	F
3.4	AUTOPOPULATE STATUS	D0,1,D1,3	4	S
3.5	LAST POPULATED BY	D0,1,D1,3	5	P
3.6	SENSITIVE FLAG	D0,1,D1,3	6	S
3.7	DIVISION	D0,1,D1,3	7	P
3.8	POP START	D0,1,D1,3	8	D
3.9	POP END	D0,1,D1,3	9	D
4	LAYOUT TEMPLATES (90505.14)			
.01	LAYOUT TEMPLATES	D0,1,D1,4,D2,0	1	F
.02	TYPE	D0,1,D1,4,D2,0	2	P
5	GENERATED DESCRIPTION (90505.15)	D0,1,D1,5,00		W
10	PARAMETER DEFINITION (90505.02)			
.01	PARAMETER NAME	D0,1,D1,10,D2,0	1	F
.02	SINGLE VALUE	D0,1,D1,10,D2,0	2	F
.03	SINGLE VALUE IEN	D0,1,D1,10,D2,0	3	F
1	MULTIPLE VALUES (90505.21)			
.01	MULTIPLE VALUES	D0,1,D1,10,D2,1,D3,0	1	F
.02	MULTIPLE IEN	D0,1,D1,10,D2,1,D3,0	2	F
2	ASSOC PARAMETER (90505.212)			
.01	ASSOC PARAMETER	D0,1,D1,10,D2,1,D3,2,D4,0	1	F
.02	ASSOC VALUE	D0,1,D1,10,D2,1,D3,2,D4,0	2	F
.03	ASSOC VALUE IEN	D0,1,D1,10,D2,1,D3,2,D4,0	3	N
2	ASSOC PARAMETER (90505.22)			
.01	ASSOC PARAMETER	D0,1,D1,10,D2,2,D3,0	1	F
.02	ASSOC VALUE	D0,1,D1,10,D2,2,D3,0	2	F
.03	ASSOC VALUE IEN	D0,1,D1,10,D2,2,D3,0	3	N

Field #	Field Name	Subscript	Piece	Type
15	FILTER DEFINITION (90505.115)			
.01	FILTER NAME	D0,1,D1,15,D2,0	1	F
.02	SINGLE VALUE	D0,1,D1,15,D2,0	2	F
.03	SINGLE VALUE IEN	D0,1,D1,15,D2,0	3	F
1	MULTIPLE VALUES (90505.1151)			
.01	MULTIPLE VALUES	D0,1,D1,15,D2,1,D3,0	1	F
.02	MULTIPLE VALUE IEN	D0,1,D1,15,D2,1,D3,0	2	F
2	ASSOC PARAMETER (90505.11512)			
.01	ASSOC PARAMETER	D0,1,D1,15,D2,1,D3,2,D4,0	1	F
.02	ASSOC VALUE	D0,1,D1,15,D2,1,D3,2,D4,0	2	F
.03	ASSOC VALUE IEN	D0,1,D1,15,D2,1,D3,2,D4,0	3	N
1	MULTIPLE VALUES (90505.115121)			
.01	MULTIPLE VALUES	D0,1,D1,15,D2,1,D3,2,D4,1,D5,0	1	F
.02	MULTIPLE VALUES IEN	D0,1,D1,15,D2,1,D3,2,D4,1,D5,0	2	F
2	ASSOC PARAMETER (90505.1152)			
.01	ASSOC PARAMETER	D0,1,D1,15,D2,2,D3,0	1	F
.02	ASSOC VALUE	D0,1,D1,15,D2,2,D3,0	2	F
.03	ASSOC VALUE IEN	D0,1,D1,15,D2,2,D3,0	3	N
1	MULTIPLE VALUES (90505.11521)			
.01	MULTIPLE VALUES	D0,1,D1,15,D2,2,D3,1,D4,0	1	F
.02	MULTIPLE VALUES IEN	D0,1,D1,15,D2,2,D3,1,D4,0	2	F
20	CUSTOMIZED VIEW (90505.05)			
.01	CUSTOMIZED VIEW FIELD	D0,1,D1,20,D2,0	1	P
.02	DISPLAY ORDER	D0,1,D1,20,D2,0	2	N
.03	SORT ORDER	D0,1,D1,20,D2,0	3	N
.04	SORT DIRECTION	D0,1,D1,20,D2,0	4	S
.05	COLUMN SIZE	D0,1,D1,20,D2,0	5	N
21	MY MEASURES VIEW (90505.13)			

Field #	Field Name	Subscript	Piece	Type
.01	MY MEASURES VIEW	D0,1,D1,21,D2,0	1	F
.02	DISPLAY ORDER	D0,1,D1,21,D2,0	2	N
.03	SORT ORDER	D0,1,D1,21,D2,0	3	N
.04	SORT DIRECTION	D0,1,D1,21,D2,0	4	S
.05	COLUMN SIZE	D0,1,D1,21,D2,0	5	N
22	REMINDER VIEW (90505.122)			
.01	REMINDER VIEW	D0,1,D1,22,D2,0	1	F
.02	DISPLAY ORDER	D0,1,D1,22,D2,0	2	N
.03	SORT ORDER	D0,1,D1,22,D2,0	3	N
.04	SORT DIRECTION	D0,1,D1,22,D2,0	4	S
.05	COLUMN SIZE	D0,1,D1,22,D2,0	5	N
23	SOURCE VIEW (90505.123)			
.01	SOURCE VIEW	D0,1,D1,23,D2,0	1	F
1	VIEW FIELD (90505.1231)			
.01	VIEW FIELD	D0,1,D1,23,D2,1,D3,0	1	P
.02	DISPLAY ORDER	D0,1,D1,23,D2,1,D3,0	2	N
.03	SORT ORDER	D0,1,D1,23,D2,1,D3,0	3	N
.04	SORT DIRECTION	D0,1,D1,23,D2,1,D3,0	4	S
.05	COLUMN SIZE	D0,1,D1,23,D2,1,D3,0	5	N
25	GPRA FIELD VIEW (90505.125)			
.01	GPRA FIELD VIEW	D0,1,D1,25,D2,0	1	N
.02	DISPLAY ORDER	D0,1,D1,25,D2,0	2	N
.03	SORT ORDER	D0,1,D1,25,D2,0	3	N
.04	SORT DIRECTION	D0,1,D1,25,D2,0	4	S
.05	COLUMN SIZE	D0,1,D1,25,D2,0	5	N
26	REFERRALS VIEW (90505.126)			
.01	REFERRALS VIEW	D0,1,D1,26,D2,0	1	F
.02	DISPLAY ORDER	D0,1,D1,26,D2,0	2	N
.03	SORT ORDER	D0,1,D1,26,D2,0	3	N
.04	SORT DIRECTION	D0,1,D1,26,D2,0	4	S
.05	COLUMN SIZE	D0,1,D1,26,D2,0	5	N
27	CONSULTS VIEW (90505.127)			

Field #	Field Name	Subscript	Piece	Type
.01	CONSULTS VIEW	D0,1,D1,27,D2,0	1	F
.02	DISPLAY ORDER	D0,1,D1,27,D2,0	2	N
.03	SORT ORDER	D0,1,D1,27,D2,0	3	N
.04	SORT DIRECTION	D0,1,D1,27,D2,0	4	S
.05	COLUMN SIZE	D0,1,D1,27,D2,0	5	N
30	SHARED USERS (90505.03)			
.01	SHARED USER	D0,1,D1,30,D2,0	1	P
.02	ACCESS	D0,1,D1,30,D2,0	2	S
.03	DATE SHARE STARTS	D0,1,D1,30,D2,0	3	D
.04	DATE SHARE ENDS	D0,1,D1,30,D2,0	4	D
.05	SHARE LAYOUTS	D0,1,D1,30,D2,0	5	S
.06	CATEGORY	D0,1,D1,30,D2,0	6	F
4	LAYOUT TEMPLATES (90505.34)			
.01	LAYOUT TEMPLATES	D0,1,D1,30,D2,4,D3,0	1	F
.02	TYPE	D0,1,D1,30,D2,4,D3,0	2	P
20	CUSTOMIZED VIEW (90505.06)			
.01	CUSTOMIZED VIEW FIELD	D0,1,D1,30,D2,20,D3,0	1	P
.02	DISPLAY ORDER	D0,1,D1,30,D2,20,D3,0	2	N
.03	SORT ORDER	D0,1,D1,30,D2,20,D3,0	3	N
.04	SORT DIRECTION	D0,1,D1,30,D2,20,D3,0	4	S
.05	COLUMN SIZE	D0,1,D1,30,D2,20,D3,0	5	N
21	MY MEASURES VIEW (90505.321)			
.01	MY MEASURES VIEW	D0,1,D1,30,D2,21,D3,0	1	F
.02	DISPLAY ORDER	D0,1,D1,30,D2,21,D3,0	2	N
.03	SORT ORDER	D0,1,D1,30,D2,21,D3,0	3	N
.04	SORT DIRECTION	D0,1,D1,30,D2,21,D3,0	4	S
.05	COLUMN SIZE	D0,1,D1,30,D2,21,D3,0	5	N
22	REMINDER VIEW (90505.322)			
.01	REMINDER VIEW	D0,1,D1,30,D2,22,D3,0	1	F
.02	DISPLAY ORDER	D0,1,D1,30,D2,22,D3,0	2	N
.03	SORT ORDER	D0,1,D1,30,D2,22,D3,0	3	N
.04	SORT DIRECTION	D0,1,D1,30,D2,22,D3,0	4	S

Field #	Field Name	Subscript	Piece	Type
.05	COLUMN SIZE	D0,1,D1,30,D2,22,D3,0	5	N
23	SOURCE VIEW (90505.323)			
.01	SOURCE VIEW	D0,1,D1,30,D2,23,D3,0	1	F
1	VIEW FIELD (90505.3231)			
.01	VIEW FIELD	D0,1,D1,30,D2,23,D3,1,D4,0	1	P
.02	DISPLAY ORDER	D0,1,D1,30,D2,23,D3,1,D4,0	2	N
.03	SORT ORDER	D0,1,D1,30,D2,23,D3,1,D4,0	3	N
.04	SORT DIRECTION	D0,1,D1,30,D2,23,D3,1,D4,0	4	S
.05	COLUMN SIZE	D0,1,D1,30,D2,23,D3,1,D4,0	5	N
25	GPRA FIELD VIEW (90505.325)			
.01	GPRA FIELD VIEW	D0,1,D1,30,D2,25,D3,0	1	N
.02	DISPLAY ORDER	D0,1,D1,30,D2,25,D3,0	2	N
.03	SORT ORDER	D0,1,D1,30,D2,25,D3,0	3	N
.04	SORT DIRECTION	D0,1,D1,30,D2,25,D3,0	4	S
.05	COLUMN SIZE	D0,1,D1,30,D2,25,D3,0	5	N
26	REFERRAL VIEW (90505.326)			
.01	REFERRALS VIEW	D0,1,D1,30,D2,26,D3,0	1	F
.02	DISPLAY ORDER	D0,1,D1,30,D2,26,D3,0	2	N
.03	SORT ORDER	D0,1,D1,30,D2,26,D3,0	3	N
.04	SORT DIRECTION	D0,1,D1,30,D2,26,D3,0	4	S
.05	COLUMN SIZE	D0,1,D1,30,D2,26,D3,0	5	N
27	CONSULT VIEW (90505.327)			
.01	CONSULTS VIEW	D0,1,D1,30,D2,27,D3,0	1	F
.02	DISPLAY ORDER	D0,1,D1,30,D2,27,D3,0	2	N
.03	SORT ORDER	D0,1,D1,30,D2,27,D3,0	3	N
.04	SORT DIRECTION	D0,1,D1,30,D2,27,D3,0	4	S
.05	COLUMN SIZE	D0,1,D1,30,D2,27,D3,0	5	N
40	PATIENT LIST (90505.04)			
.01	PATIENT NAME	D0,1,D1,40,D2,0	1	P
.02	MANUAL FLAG	D0,1,D1,40,D2,0	2	S
.03	ADDED BY	D0,1,D1,40,D2,0	3	P
.04	DATE/TIME ADDED	D0,1,D1,40,D2,0	4	D

Field #	Field Name	Subscript	Piece	Type
.05	REMOVED BY	D0,1,D1,40,D2,0	5	P
.06	DATE/TIME REMOVED	D0,1,D1,40,D2,0	6	D
.07	DATE/TIME INITIALLY LOADED	D0,1,D1,40,D2,0	7	D
.08	FLAG INDICATOR	D0,1,D1,40,D2,0	8	S
5	MATCHED CRITERIA (90505.18)			
.01	MATCHED CRITERIA	D0,1,D1,40,D2,5,D3,0	1	F
1	RECORD (90505.181)			
.01	RECORD	D0,1,D1,40,D2,5,D3,1,D4,0	1	F
2.01	MU PROV PERF TIPS	D0,2	1	S
2.02	MU HOSP PERF TIPS	D0,2	2	S
2.03	MU CQ AGG TIPS	D0,2	3	S
2.04	MU HOSP CQ TIPS	D0,2	4	S
2.05	PANEL VIEW	D0,2	5	P
2.06	PANEL SIZE	D0,2	6	S
2.07	IPC PAT DETAIL TIPS	D0,2	7	S
2.08	IPC PAT DETAIL FILTERS	D0,2	8	S
2.09	IPC PROV DETAIL TIPS	D0,2	9	S
2.1	IPC PROV DETAIL FILTERS	D0,2	10	S
2.11	MU PCQ TIPS	D0,2	11	S
2.12	MU PCQ FILTERS	D0,2	12	S
2.13	CMET PANEL EVENT TIPS	D0,2	13	S
2.14	CMET PANEL EVENT FILTER	D0,2	14	S
2.15	MU PROV PERF FILTERS	D0,2	15	S
2.16	MU HOSP PERF FILTERS	D0,2	16	S
2.17	MU HOSP CQ FILTERS	D0,2	17	S
2.18	MU CQ AGG FILTERS	D0,2	18	S
2.19	MU PERF AGG FILTERS	D0,2	19	S
2.2	MU PERF AGG TIPS	D0,2	20	S

Field #	Field Name	Subscript	Piece	Type
3	NOTIFICATION (90505.12)			
.01	DATE/TIME OF NOTIFICATION	D0,3,D1,0	1	D
.02	FROM WHOM	D0,3,D1,0	2	P
.03	STATUS	D0,3,D1,0	3	S
.04	SUBJECT	D0,3,D1,0	4	F
1	BODY (90505.121)	D0,3,D1,1,D2,0		W
5	LAST VIEWED PANELS (90505.5)			
.01	PANEL ID	D0,5,D1,0	1	F
7	MY PATIENTS DEFINITION (90505.07)			
.01	MY PATIENTS DEFINITION	D0,7,D1,0	1	F
2	GENERATED DESCRIPTION	D0,7,D1,2	1	F
10	PARAMETERS (90505.08)			
.01	PARAMETER NAME	D0,7,D1,10,D2,0	1	F
.02	SINGLE VALUE	D0,7,D1,10,D2,0	2	F
.03	SINGLE VALUE IEN	D0,7,D1,10,D2,0	3	F
1	MULTIPLE VALUES (90505.81)			
.01	MULTIPLE VALUES	D0,7,D1,10,D2,1,D2,0	1	F
.02	MULTIPLE IEN	D0,7,D1,10,D2,1,D2,0	2	F
8	IPC USER PREFERENCES (90505.17)			
.01	IPC USER PREFERENCES		1	S
.02	DATE/TIME LAST EDITED		2	D
1	PARAMETERS (90505.171)			
.01	PARAMETERS		1	F
.02	SINGLE VALUE		2	F
.03	SINGLE VALUE IEN		3	F
1	MULTIPLE VALUES (90505.1711)			

Field #	Field Name	Subscript	Piece	Type
.01	MULTIPLE VALUES		1	F
.02	MULTIPLE IEN		2	F
9	CMET USER PREFERENCES (90505.16)			
.01	CMET USER PREFERENCES		1	S
.02	DATE/TIME LAST EDITED		2	D
1	PARAMETERS (90505.161)			
.01	PARAMETER NAME		1	F
.02	SINGLE VALUE		2	F
.03	SINGLE VALUE IEN		3	F
1	MULTIPLE VALUES (90505.1611)			
.01	MULTIPLE VALUES		1	F
.02	MULTIPLE IEN		2	F
10	FLAG DEFINITION (90505.09)			
.01	FLAG DEFINITION		1	P
10	PARAMETERS (90505.1)			
.01	PARAMETER NAME		1	F
.02	SINGLE VALUE		2	F
.03	SINGLE VALUE IEN		3	F
1	MULTIPLE VALUES (90505.11)			
.01	MULTIPLE VALUES		1	F
.02	MULTIPLE IENS		2	F
11	COMMUNITY ALERTS DEFINITION (90505.011)			
.01	COMMUNITY ALERTS DEFINITION		1	P
1	PARAMETERS (90505.111)			
.01	PARAMETER NAME		1	F
.02	SINGLE VALUE		2	F

Field #	Field Name	Subscript	Piece	Type
12	MU USER PREFERENCES (90505.012)			
.01	MU USER PREFERENCES		1	S
.02	DATE/TIME LAST EDITED		2	D
1	PARAMETERS (90505.022)			
.01	PARAMETERS		1	F
.02	SINGLE VALUE		2	F
.03	SINGLE VALUE IEN		3	F
1	MULTIPLE VALUES (90505.221)			
.01	MULTIPLE VALUES		1	F
.02	MULTIPLE IEN		2	F
13	GUI TABS (90505.013)			
.01	GUI TABS		1	P
14.01	DEFAULT MU VIEW	D0,14	1	P
15	LAYOUT TEMPLATES (90505.015)			
.01	LAYOUT TEMPLATES		1	F
.02	TYPE		2	P
.03	DEFAULT TEMPLATE		3	S
.04	DATE/TIME LAST EDITED		4	D
.05	Deletable Template?		5	S
1	FIELD (90505.151)			
.01	FIELD		1	F
.02	DISPLAY ORDER		2	N
.03	SORT ORDER		3	N
.04	SORT DIRECTION		4	S
.05	COLUMN SIZE		5	N
2	DISTRIBUTED TO (90505.152)			
.01	DISTRIBUTED TO		1	P
.02	DATE DISTRIBUTED		2	D
.03	USER DELETED		3	S
.04	USER TEMPLATE IEN		4	N

Field #	Field Name	Subscript	Piece	Type
17	CATEGORY/FOLDER (90505.017)			
.01	NAME		1	F
.02	COLOR		2	F

Global: ^BQI(90506,

Table 6-4: File:90506 iCare Definitions

Field #	Field Name	Subscript	Piece	Type
.01	PANEL NAME	D0,0	1	F
.02	STATUS FLAG	D0,0	2	S
.03	RPC CALL	D0,0	3	P
.04	TYPE	D0,0	4	S
.05	FLAG ORDER	D0,0	5	N
1	DESCRIPTION	D0,1	1	F
2	SOURCE CODE	D0,2	E1,245	M
3	PARAMETERS (90506.03)			
.01	PARAMETER CODE	D0,3,D1,0	1	F
.02	DATA TYPE	D0,3,D1,0	2	S
.03	UPPER LIMIT	D0,3,D1,0	3	F
.04	LOWER LIMIT	D0,3,D1,0	4	F
.05	DEFAULT	D0,3,D1,0	5	F
.06	REQUIRED/OPTIONAL	D0,3,D1,0	6	S
.07	EXCLUDE	D0,3,D1,0	7	F
.08	TABLE FILE #	D0,3,D1,0	8	F
.09	DESCRIPTION	D0,3,D1,0	9	F
.1	DESCRIPTION ORDER	D0,3,D1,0	10	N
.11	MAP?	D0,3,D1,0	11	S
.12	MAPS TO	D0,3,D1,0	12	F
.13	INACTIVE	D0,3,D1,0	13	S
.14	PARM DESC ORDER-NEW	D0,3,D1,0	14	N
1	LIST OF CHOICES	D0,3,D1,1	1	F
2	DESCRIPTION EXECUTABLE	D0,3,D1,2	E1,245	M
3	CHOICES (90506.33)			
.01	CHOICES	D0,3,D1,3,D2,0	1	F
.02	MAPS TO	D0,3,D1,3,D2,0	2	F
4	GENERATED DESCRIPTION	D0,3,D1,4	1	F

Field #	Field Name	Subscript	Piece	Type
5	PARAMETER DESC FORMATTING (90506.04A)	D0,3,D1,5		
4	GENERATED DESCRIPTION	D0,4	1	F
5	DESCRIPTION EXECUTABLE	D0,5	E1,245	M
6	DESCRIPTION EXECUTABLE-NEW	D0,6	E1,245	M

Global: ^BQI(90506.1,

Table 6-5: File:90506.1 iCare Panel View

Field #	Field Name	Subscript	Piece	Type
.01	CODE	D0,0	1	F
.02	DISPLAY ORDER	D0,0	2	N
.03	FIELD NAME	D0,0	3	F
.04	PANEL REQ/OPT/DEF	D0,0	4	S
.05	FILE NUMBER	D0,0	5	F
.06	FIELD NUMBER	D0,0	6	F
.07	SORT ORDER	D0,0	7	N
.08	HEADER	D0,0	8	F
.09	GPRA VIEW REQ/OPT/DEF	D0,0	9	S
.1	INACTIVE	D0,0	10	S
.11	INACTIVE DATE	D0,0	11	D
.12	REMIND VIEW REQ/OPT/DEF	D0,0	12	S
.13	MEAS VIEW REQ/OPT/DEF	D0,0	13	S
.14	PERCENT DIRECTION	D0,0	14	S
.15	COLUMN SIZE	D0,0	15	N
.16	EDITABLE?	D0,0	16	S
.17	BATCH EDITABLE?	D0,0	17	S
.18	ACTION TYPE	D0,0	18	S
.19	LINK TYPE	D0,0	19	S
.2	EXTERNAL/INTERNAL	D0,0	20	S
1	DISPLAY EXECUTABLE CODE	D0,1	E1,245	M
3.01	NEW SOURCE	D0,3	1	P
3.02	NEW CLINICAL GROUP	D0,3	2	F
3.03	NEW CATEGORY	D0,3	3	F
3.04	NEW REQ/OPT/DEF	D0,3	4	S
3.05	NEW DISPLAY ORDER	D0,3	5	N
3.06	NEW SORT ORDER	D0,3	6	N

Field #	Field Name	Subscript	Piece	Type
3.07	Include in Layout?	D0,3	7	S
3.08	SORT DIRECTION	D0,3	8	S
3.09	ALTERNATE DISPLAY ORDER	D0,3	9	N
3.1	SECURITY KEY	D0,3	10	F
4	TOOLTIP (90506.14)	D0,4,D1,0		W
5	CALCULATE EXECUTABLE CODE	D0,5	E1,245	M

Global: ^BQI(90506.5,

Table 6-6: File: 90506.5 iCare View Source

Field #	Field Name	Subscript	Piece	Type
.01	NAME	D0,0	1	F
.02	CODE	D0,0	2	F
.03	ASSOCIATED REGISTER	D0,0	3	P
.04	SELECTABLE?	D0,0	4	S
.05	REMINDERS?	D0,0	5	S
.06	ALTERNATE DISPLAY NAME	D0,0	6	F
.07	ASSOCIATED FORM	D0,0	7	P
.08	ASSOCIATED REPORT	D0,0	8	F
.09	TEMPLATE DEFAULT NAME	D0,0	9	F
.1	INACTIVE	D0,0	10	S
.11	ASSOCIATED DX TAG	D0,0	11	P
.12	SECURITY KEY	D0,0	12	F
.13	PATIENT DROPDOWN VIEW	D0,0	13	S
.14	PANEL DROPDOWN VIEW	D0,0	14	S
.15	MATCHED CRITERIA VIEW	D0,0	15	S
.16	NIGHTLY/WEEKLY JOB?	D0,0	16	S
.17	MC TYPE	D0,0	17	F
1	DENOMINATOR LOGIC	D0,1	E1,245	M
2.01	TITLE	D0,2	1	F
2.02	LAYOUT TYPE	D0,2	2	F
2.03	EXCLUDE TEMPLATE MGMT	D0,2	3	S
2.04	OWNER DD	D0,2	4	F
2.05	SHARE DD	D0,2	5	F
3	COLUMN RPC	D0,3	1	F
4	SYSTEM DEFINITION RPC	D0,4	1	F

Field #	Field Name	Subscript	Piece	Type
5	CATEGORY (90506.55)			
.01	CATEGORY CODE	D0,5,D1,0	1	F
.02	CATEGORY NAME	D0,5,D1,0	2	F
6	CLINICAL GROUP (90506.56)			
.01	CLINICAL GROUP CODE	D0,6,D1,0	1	F
.02	NAME	D0,6,D1,0	2	F
10	LAYOUT FIELDS (90506.51)			
.01	LAY CODE	D0,10,D1,0	1	F
.02	SEARCH FILE	D0,10,D1,0	2	P
.03	NAME	D0,10,D1,0	3	F
.04	POINTER VALUE	D0,10,D1,0	4	F
.05	DISPLAY	D0,10,D1,0	5	S
.06	REQ/OPT/DEF	D0,10,D1,0	6	S
.07	TAXONOMY	D0,10,D1,0	7	F
.08	DATE FORMAT	D0,10,D1,0	8	S
.09	INACTIVE?	D0,10,D1,0	9	S
1	LOGIC EXECUTABLE	D0,10,D1,1	E1,245	M
2	NON TAXONOMY ITEM(S)	D0,10,D1,2	E1,245	M
4	TOOLTIP (90506.514)	D0,10,D1,1,D2,0		W

Global: ^BQI(90506.9,

Table 6-7: File: 90506.9 iCare Timeframes

Field #	Field Name	Subscript	Piece	Type
.01	NAME	D0,0	1	F
.02	OLD TIMEFRAME	D0,0	2	F
.03	FROM	D0,0	3	F
.04	THRU	D0,0	4	F
.05	EXECUTABLE	D0,0	5	F
1	DEFINITION VARIABLE (90506.91)			
.01	DEFINITION VARIABLE	D0,1,D1,0	1	F
.02	DISPLAY ORDER	D0,1,D1,0	2	N

Global: ^BQI(90507,

Table 6-8: File: 90507 iCare Registry Index

Field #	Field Name	Subscript	Piece	Type
.01	REGISTRY NAME	D0,0	1	F

Field #	Field Name	Subscript	Piece	Type
.02	CASE MANAGER FILE#	D0,0	2	F
.03	CASE MANAGER FIELD#	D0,0	3	F
.04	CASE MANAGER XREF	D0,0	4	F
.05	PATIENT FIELD#	D0,0	5	F
.06	PATIENT XREF	D0,0	6	F
.07	PATIENT FILE#	D0,0	7	F
.08	ACTIVE	D0,0	8	S
.09	CMS REGISTER TYPE	D0,0	9	F
.1	ACCESS SECURITY KEY	D0,0	10	F
.11	SUBREGISTERS	D0,0	11	S
.12	SUBREGISTER FILE#	D0,0	12	F
.13	NAMESPACE	D0,0	13	F
.14	STATUS FIELD#	D0,0	14	F
.15	STATUS FILE#	D0,0	15	F
.16	ICARE ENABLED	D0,0	16	S
.17	RELATED TO	D0,0	17	F
1	STATUS IEN CALCULATION		E1,245	M
2	ADD ENTRY CODE		E1,245	M
3	PATIENT RECORD IENS		E1,245	M
4.01	REMINDERS CATEGORY	D0,4	1	F
4.02	REMINDERS CLINICAL GROUP	D0,4	2	F
10	TAXONOMY (90507.01)			
.01	TAXONOMY NAME	D0,10,D1,0	1	F
.02	TAXONOMY POINTER	D0,10,D1,0	2	V
.03	CATEGORY	D0,10,D1,0	3	F
.04	SITE-POPULATED	D0,10,D1,0	4	S
.05	TAXONOMY ID	D0,10,D1,0	5	S
.06	IGNORE MISSING ENTRIES	D0,10,D1,0	6	S
.07	CLINICAL GROUP	D0,10,D1,0	7	F
15	REMINDERS (90507.015)			
.01	REMINDERS	D0,15,D1,0	1	F
.03	STATUS	D0,15,D1,0	3	S
.05	CATEGORY	D0,15,D1,0	5	P
.09	ORDER	D0,15,D1,0	9	N
1	PROGRAM ID	D0,15,D1,1	2	F

Field #	Field Name	Subscript	Piece	Type
2	DESCRIPTION (90507.152)	D0,15,D1,2, D2,0		W
13	TOOLTIP (90507.1513)	D0,15,D1,1 3,D2,0		W
20	REPORTS (90507.02)			
.01	NAME	D0,20,D1,0	1	F
.02	RPC	D0,20,D1,0	2	F
.03	DEFINITION	D0,20,D1,0	3	P
.04	INACTIVE	D0,20,D1,0	4	S
.05	TYPE	D0,20,D1,0	5	S
.06	DISPLAY	D0,20,D1,0	6	S
.07	NO PARAMETER	D0,20,D1,0	7	S
.08	TAXONOMY CHECK	D0,20,D1,0	8	S
10	TAXONOMY (90507.03)			
.01	TAXONOMY	D0,20,D1,1 0,D2,0	1	F
.02	TAXONOMY POINTER	D0,20,D1,1 0,D2,0	2	V
.03	IGNORE MISSING ENTRIES	D0,20,D1,1 0,D2,0	3	S

Global: ^BQI(90507.1,

Table 6-9: File: 90507.1 iCare Weblinks

Field #	Field Name	Subscript	Piece	Type
.01	LINK	D0,0	1	F
.02	CATEGORY	D0,0	2	P
.03	TITLE	D0,1	1	F

Global: ^BQI(90508,

Table 6-10: File: 90508.5 iCare Site Parameters

Field #	Field Name	Subscript	Piece	Type
.01	HOME SITE	D0,0	1	P
.02	CANES EXPORT FORMAT	D0,0	2	S
.03	INCLUDE SUICIDE?	D0,0	3	S
.04	LAST MU RUN DATE	D0,0	4	D
.05	CANES EXPORT?	D0,0	5	S
.06	MU CQ HOSP	D0,0	6	S
.07	MU EXPORT?	D0,0	7	S

Field #	Field Name	Subscript	Piece	Type
.08	GUI VERSION	D0,0	8	F
.09	RPMS VERSION	D0,0	9	F
.1	POST-INSTALL TASK	D0,0	10	N
.11	NIGHTLY TASK	D0,0	11	N
.12	UPDATE TASK	D0,0	12	N
.13	NIGHTLY STATUS	D0,0	13	S
.14	UPDATE STATUS	D0,0	14	S
.15	IMM FORECAST ON?	D0,0	15	S
.16	EHR IMMUN ON?	D0,0	16	S
.17	EHR ASTHMA ON?	D0,0	17	S
.18	HS IMMUN ON?	D0,0	18	S
.19	CONCURRENT CONNECTIONS	D0,0	19	N
.2	GRP ORDER ENTRY ENABLED	D0,0	20	S
.21	ICARE INACTIVITY TIMEOUT	D0,0	21	N
.22	ICARE WARNING TIMEOUT	D0,0	22	N
.23	ICARE SHUTDOWN TIMEOUT	D0,0	23	N
.24	CANES EXPORT TIMEFRAME	D0,0	24	F
.25	LAB CONFIRMED DISPLAY?	D0,0	25	S
1	LAST VISIT IEN	DVISIT,0	1	F
2	CURRENT CRS YEAR	DGPRA,0	1	F
2.01	LAST PT REMIND UPDATE IEN	D0,2	1	F
2.02	LAST PT CRS UPDATE IEN	D0,2	2	F
2.03	LAST TRMT UPDATE VALUE	D0,2	3	F
2.04	LAST PT ASTHMA UPDATE IEN	D0,2	4	F
3	LAST PROBLEM IEN	DVISIT,0	2	F
3.01	NIGHTLY FLAGS STARTED	D0,3	1	D
3.02	NIGHTLY FLAGS STOPPED	D0,3	2	D
3.03	NIGHTLY FLAGS STATUS	D0,3	3	S
3.04	NIGHTLY DX TAG STARTED	D0,3	4	D
3.05	NIGHTLY DX TAG STOPPED	D0,3	5	D
3.06	NIGHTLY DX TAG STATUS	D0,3	6	S
3.07	NIGHTLY CRS STARTED	D0,3	7	D
3.08	NIGHTLY CRS STOPPED	D0,3	8	D
3.09	NIGHTLY CRS STATUS	D0,3	9	S
3.1	NIGHTLY REMINDERS STARTED	D0,3	10	D
3.11	NIGHTLY REMINDERS STOPPED	D0,3	11	D

Field #	Field Name	Subscript	Piece	Type
3.12	NIGHTLY REMINDERS STATUS	D0,3	12	S
3.13	NIGHTLY TRMT PROMPTS STARTED	D0,3	13	D
3.14	NIGHTLY TRMT PROMPTS STOPPED	D0,3	14	D
3.15	NIGHTLY TRMT PROMPTS STATUS	D0,3	15	S
3.16	NIGHTLY COMM ALERTS STARTED	D0,3	16	D
3.17	NIGHTLY COMM ALERTS STOPPED	D0,3	17	D
3.18	NIGHTLY COMM ALERTS STATUS	D0,3	18	S
3.19	NIGHTLY AUTOPOPULATE STARTED	D0,3	19	D
3.2	NIGHTLY AUTOPOPULATE STOPPED	D0,3	20	D
3.21	NIGHTLY AUTOPOPULATE STATUS	D0,3	21	S
3.22	NIGHTLY CARE MGT STARTED	D0,3	22	D
3.23	NIGHTLY CARE MGT STOPPED	D0,3	23	D
3.24	NIGHTLY CARE MGT STATUS	D0,3	24	S
4.01	WEEKLY DX TAG STARTED	D0,4	1	D
4.02	WEEKLY DX TAG STOPPED	D0,4	2	D
4.03	WEEKLY DX TAG STATUS	D0,4	3	S
4.04	WEEKLY CRS STARTED	D0,4	4	D
4.05	WEEKLY CRS STOPPED	D0,4	5	D
4.06	WEEKLY CRS STATUS	D0,4	6	S
4.07	WEEKLY REMINDERS STARTED	D0,4	7	D
4.08	WEEKLY REMINDERS STOPPED	D0,4	8	D
4.09	WEEKLY REMINDERS STATUS	D0,4	9	S
4.1	WEEKLY TRMT PROMPTS STARTED	D0,4	10	D
4.11	WEEKLY TRMT PROMPTS STOPPED	D0,4	11	D
4.12	WEEKLY TRMT PROMPTS STATUS	D0,4	12	S
4.13	WEEKLY CARE MGT STARTED	D0,4	13	D
4.14	WEEKLY CARE MGT STOPPED	D0,4	14	D
4.15	WEEKLY CARE MGT STATUS	D0,4	15	S
4.16	WEEKLY MU PERF STARTED	D0,4	16	D
4.17	WEEKLY MU PERF STOPPED	D0,4	17	D
4.18	WEEKLY MU PERF STATUS	D0,4	18	S
4.19	WEEKLY MU CQM STARTED	D0,4	19	D
4.2	WEEKLY MU CQM STOPPED	D0,4	20	D
4.21	WEEKLY MU CQM STATUS	D0,4	21	S
5	JOB TOOLTIP (90508.05)	D0,5,D1,0		W
6	TYPE TOOLTIP (90508.06)	D0,6,D1,0		W

Field #	Field Name	Subscript	Piece	Type
7	END TOOLTIP (90508.07)	D0,7,D1,0		W
8.01	START TOOLTIP	D0,8	1	F
8.02	STATUS TOOLTIP	D0,8	2	F
8.03	NEXT TOOLTIP	D0,8	3	F
8.04	MONTHLY MU PERF STARTED	D0,8	4	D
8.05	MONTHLY MU PERF STOPPED	D0,8	5	D
8.06	MONTHLY MU PERF STATUS	D0,8	6	S
8.07	MONTHLY MU CQ STARTED	D0,8	7	D
8.08	MONTHLY MU CQ STOPPED	D0,8	8	D
8.09	MONTHLY MU CQ STATUS	D0,8	9	S
8.1	MONTHLY IPC STARTED	D0,8	10	D
8.11	MONTHLY IPC ENDED	D0,8	11	D
8.12	MONTHLY IPC STATUS	D0,8	12	S
9	LOG IN DATE/TIME	DLOG,0	1	D
9.01	MU PRF START DATE	D0,9	1	D
9.02	MU PRF END DATE	D0,9	2	D
9.03	CURRENT PERFORMANCE REPORT	D0,9	3	F
9.04	CURRENT CQM REPORT	D0,9	4	F
10	TAXONOMIES (90508.03)			
.01	TAXONOMY NAME	D0,10,D1,0	1	F
.02	TAXONOMY POINTER	D0,10,D1,0	2	V
.03	CATEGORY	D0,10,D1,0	3	S
.04	Site-Populated	D0,10,D1,0	4	S
.05	TAXONOMY ID	D0,10,D1,0	5	S
.06	TAXONOMY GENERATOR	D0,10,D1,0	6	F
.07	IGNORE MISSING ENTRIES	D0,10,D1,0	7	S
11	CURRENT IPC	D0,11	1	F
11.02	IPC DAY TO RUN	D0,11	2	N
11.03	IPC PROVIDER	D0,11	3	F
11.04	IPC TASK	D0,11	4	F
11.05	IPC MONTH	D0,11	5	F
12.01	MU PERFORM DEFAULT DATE	D0,12	1	S
12.02	MU CLASS COLUMN	D0,12	2	S
12.03	LAST MU CQ PROVIDER	D0,12	3	N
12.04	LAST MU PERF PROVIDER	D0,12	4	N
12.05	MU CQM TASK	D0,12	5	F

Field #	Field Name	Subscript	Piece	Type
12.06	MU PERF TASK	D0,12	6	F
12.07	MU PROHIBITED?	D0,12	7	S
12.08	MU CQ START DATE	D0,12	8	D
12.09	MU CQ END DATE	D0,12	9	D
12.1	MU CQ DEFAULT DATE	D0,12	10	S
13	MU PROVIDER CLASSES (90508.013)			
.01	MU PROVIDER CLASSES	D0,13,D1,0	1	P
14	MU PROVIDERS (90508.014)			
.01	MU PROVIDER CLASSES	D0,14,D1,0	1	P
15	COMMUNITY ALERTS (90508.015)			
.01	COMMUNITY ALERTS	D0,15,D1,0	1	F
.02	WEB LINK	D0,15,D1,0	2	F
.03	TIMEFRAME	D0,15,D1,0	3	F
16	COMMUNITY ALERTS POPUP ENABLED	D0,16	3	S
16.01	PREGNANCY ALGORITHM	D0,16	1	S
16.02	ICARE TIMEFRAME	D0,16	2	N
16.04	REFERRAL TIMEFRAME	D0,16	4	F
16.05	CONSULT TIMEFRAME	D0,16	5	F
17	MAIL MERGE GLOSSARY TEXT (90508.017)	D0,17,D1,0		W
18	EMPLOYERS (90508.018)			
.01	EMPLOYER	D0,18,D1,0	1	P
19	MU CLIN QUAL PERIOD (90508.019)			
.01	MU CLIN QUAL PERIOD	D0,19,D1,0	1	F
.02	START DATE	D0,19,D1,0	2	D
.03	END DATE	D0,19,D1,0	3	D
.04	TIMEFRAME	D0,19,D1,0	4	S
.05	ACTIVE?	D0,19,D1,0	5	S
20	CRS PERFORMANCE MEASURES (90508.01)			
.01	YEAR	D0,20,D1,0	1	F
.02	INDICATORS FILE #	D0,20,D1,0	2	F
.03	INDIVIDUAL INDICATORS FILE #	D0,20,D1,0	3	F
.04	GPRA ROUTINE	D0,20,D1,0	4	F
.05	DATE YEAR CALC FROM	D0,20,D1,0	5	D
.06	DATE YEAR CALC THRU	D0,20,D1,0	6	D
20	SUMMARY INDICATOR (90508.02)			

Field #	Field Name	Subscript	Piece	Type
.01	SUMMARY INDICATOR	D0,20,D1,2 0,D2,0	1	F
.02	DEFAULT?	D0,20,D1,2 0,D2,0	2	S
.03	DISPLAY ORDER	D0,20,D1,2 0,D2,0	3	N
.04	N/A EXCEPTION	D0,20,D1,2 0,D2,0	4	S
1	TOOLTIP (90508.21)	D0,20,D1,2 0,D2,1,D3,0		W
21	DM AUDIT MEASURES (90508.021)			
.01	YEAR	D0,21,D1,0	1	F
.02	GATHER	D0,21,D1,0	2	F
.03	PRINT	D0,21,D1,0	3	F
.04	GLOBAL REFERENCE	D0,21,D1,0	4	F
21.01	CURRENT DM AUDIT YEAR	DDM,0	1	F
21.02	OFFICIAL DIABETES REGISTER	DDM,0	2	P
22	IPC MEASURES (90508.022)			
.01	IPC MEASURES	D0,22,D1,0	1	F
.02	TEST IP	D0,22,D1,0	2	F
.03	LIVE IP	D0,22,D1,0	3	F
1	MEASURE ID (90508.221)			
.01	MEASURE ID	D0,22,D1,1, D2,0	1	F
.02	TYPE	D0,22,D1,1, D2,0	2	S
.03	CATEGORY	D0,22,D1,1, D2,0	3	P
.04	MEASURE NAME	D0,22,D1,1, D2,0	4	F
.05	SUB-CATEGORY	D0,22,D1,1, D2,0	5	S
.06	DISPLAY ORDER	D0,22,D1,1, D2,0	6	N
.07	INACTIVE?	D0,22,D1,1, D2,0	7	S
.08	SHEET	D0,22,D1,1, D2,0	8	F
.09	COLUMN DENOMINATOR	D0,22,D1,1, D2,0	9	F

Field #	Field Name	Subscript	Piece	Type
.1	COLUMN NUMERATOR	D0,22,D1,1, D2,0	10	F
.11	CATEGORY2	D0,22,D1,1, D2,0	11	P
.12	GOAL	D0,22,D1,1, D2,0	12	F
.13	TAB	D0,22,D1,1, D2,0	13	S
.14	AGG TAB	D0,22,D1,1, D2,0	14	S
1	EXECUTABLE CODE	D0,22,D1,1, D2,1	E1,245	M
2	BUNDLE IDS (90508.2212)			
.01	BUNDLE ID	D0,22,D1,1, D2,2,D3,0	1	F
.02	GROUP NO.	D0,22,D1,1, D2,2,D3,0	2	F
3	TOOLTIP (90508.2213)	D0,22,D1,1, D2,3,D3,0		W
2	MICROSYSTEM PROVIDERS (90508.222)			
.01	MICROSYSTEM PROVIDERS	D0,22,D1,2, D2,0	1	P
1	CLINICS (90508.2221)			
.01	CLINICS	D0,22,D1,2, D2,1,D3,0	1	P
3	DATES (90508.223)			
.01	DATES	D0,22,D1,3, D2,0	1	D
.02	ROW	D0,22,D1,3, D2,0	2	F
4.01	TEST IP DOWNLOAD	D0,22,D1,4	1	F
4.02	TEST IP UPLOAD	D0,22,D1,4	2	F
5.01	LIVE IP DOWNLOAD	D0,22,D1,5	1	F
5.02	LIVE IP UPLOAD	D0,22,D1,5	2	F
23	IPC CLINICS (90508.023)			
.01	IPC CLINICS	D0,23,D1,0	1	P
24.01	NIGHTLY TASK	D0,24	1	F
24.02	BEST PRACTICE TASK	D0,24	2	F
24.03	CARE MGT TASK	D0,24	3	F
24.04	DX TAG TASK	D0,24	4	F

Field #	Field Name	Subscript	Piece	Type
24.05	CRS TASK	D0,24	5	F
24.06	REMINDERS TASK	D0,24	6	F
24.07	MU CQ TASK	D0,24	7	F
24.08	IPC TASK	D0,24	8	F
24.09	MU PF 90 TASK	D0,24	9	F
24.1	MU PF YR TASK	D0,24	10	F
24.11	CMET TASK	D0,24	11	F
25	SITE DIVISIONS (90508.025)			
.01	SITE DIVISIONS	D0,25,D1,0	1	P

6.5 Callable Routines

Table 6-11 lists the remote procedures added in this version and the associated tag and routine called by the remote procedure. The tags and routines in this table are considered callable entry points, but are only available through the GUI interface.

Table 6-11: Callable Routines

Name	Tag	Routine
BQI GET AUTOPOP REPORT	EN	BQISYPNL
BQI GET COMM ALERTS POPUP	GET	BQICASPM
BQI GET CONSULT TEXT	CON	BQISYPNL
BQI GET CONSULTS BY PANEL	EN	BQICONPL
BQI GET CONSULTS LIST	CON	BQIPLRFU
BQI GET CONSULTS VIEW		
BQI GET DM AUDIT GLOSSARY	GLS	BQIRGDMA
BQI GET DM AUDIT REGISTER	DMA	BQISYPRM
BQI GET REFERRAL TEXT	REF	BQISYPNL
BQI GET REFERRALS BY PANEL	EN	BQIREFPL
BQI GET REFERRALS LIST	REF	BQIPLRFU
BQI GET REFERRALS VIEW	LST	BQIPLRFV
BQI GET TIMEFRAMES	TIME	BQIUTB6
BQI PATIENT CONSULTS	CON	BQIPTCON
BQI SET COMM ALERTS POPUP	SAV	BQICASPM
BQI SET CONSULTS VIEW	UPD	BQIPLCNV
BQI SET DM AUDIT REGISTER	UDMA	BQISYPRM
BQI SET REFERRALS VIEW	UPD	BQIPLRFV

6.6 Published Entry Points

There are no new published entry points (PEP) for this version of iCare.

7.0 Internal Relations

All functions within iCare work independently.

There are no documented internal relations in BQI.

8.0 External Relations

8.1 8.1 External Calls

The iCare Population Management GUI external calls are shown in Figure 8-1.

Routine	is Invoked by:
^%ZTLOAD	BQI25POS , BQIRMDR , BQITASK2
STAT^%ZTLOAD	BQISYSIT
\$\$GVHMR^APCHSMU	BQIRMDR
\$\$LASTNAP^APCLAPI6	BQIMTCRD
\$\$LASTPLR^APCLAPI6	BQIMTCRD
\$\$PBMI^APCLV	BQITDBMI
FHCHK^AUPNSICD	BQINIGH1
^AUPNVMS2	BQINIGH1
ALLDP^BDPAPI	BQIULPT
UNFOLDTX^BGP5UTL2	BQINIGHT , BQITASK
R^BIDUR	BQIRMI Z
UPDATE^BIPATUP	BQIRMI Z
PTEDTAX^BKMIXX1	BQIRGHQC
\$\$ACTMED^BKMQQCR4	BQIRGCOP
API^BMCAP11	BQIREFPL
GETFCRS^BMXRPC3	BQITASK1
^BQI25PU	BQI25POS
^BQI25PU1	BQI25POS
\$\$AGE^BQIAGE	BQIRMDR , BQIRMDR1 , BQITDBMI
^BQICAEXP	BQINIGH2
^BQICALRT	BQINIGH2
FND^BQICASPL	BQIULPT
^BQICASUI	BQINIGH2
\$\$VAL^BQICAVW	BQICAPT
\$\$CDEF^BQICEVW	BQIPLLAY
\$\$CVW^BQICEVW	BQIPLLAY
\$\$DFNC^BQICEVW	BQIPLLAY
\$\$SFNC^BQICEVW	BQIPLLAY
\$\$TMPL^BQICEVW	BQIPLLAY
\$\$FND^BQICMUTL	BQIMTCRD , BQINOTR
\$\$FTAG^BQICMUTL	BQIMTCRD
\$\$CDEF^BQICMVW	BQIPLCNV , BQIPLLAY , BQIPLRFV
\$\$CVW^BQICMVW	BQIPLLAY
\$\$DFNC^BQICMVW	BQIPLLAY
\$\$SFNC^BQICMVW	BQIPLLAY
\$\$TMPL^BQICMVW	BQIPLLAY
FIL^BQICMVW	BQIPLLAY
RANGE^BQIDCAH1	BQIPDSC1
\$\$PORD^BQIDCDF	BQIPDSC1
\$\$PP^BQIDCDF	BQIMTCRT
\$\$FPAT^BQIFLAG	BQIULPT
RET^BQIFLAG	BQIULPT
FND^BQIFLG	BQINIGHT
GVAL^BQIGPRA1	BQIULPT
COMP^BQIGPRA5	BQINIGHT
GCHK^BQIGPUPD	BQINIGHT , BQITASK
\$\$HME^BQIGPUTL	BQINIGHT
\$\$LKP^BQIGPUTL	BQIGPPL , BQINIGHT , BQIULPT
\$\$SPM^BQIGPUTL	BQICAPT , BQICASPM , BQIGPPL , BQINIGHT , BQISYPRM , BQISYSIT
	BQITAXX5 , BQIULPT
GFN^BQIGPUTL	BQIGPPL , BQIULPT

\$\$CVW^BQIGPVW	BQIPLLAY
\$\$DFNC^BQIGPVW	BQIPLCNV , BQIPLLAY , BQIPLRFV
\$\$GDEF^BQIGPVW	BQIPLLAY
\$\$SFNC^BQIGPVW	BQIPLCNV , BQIPLLAY , BQIPLRFV
\$\$TMPL^BQIGPVW	BQIPLLAY
FIL^BQIGPVW	BQIPLLAY
HDR^BQIHEADR	BQICONPL , BQIMTCRD , BQIREFPL
\$\$PAT^BQIIPBNL	BQIIPPNL
BUN^BQIIPBNL	BQIIPPNL
\$\$OPAT^BQIIPOTC	BQIIPPNL
\$\$PAT^BQIIPOTC	BQIIPPNL
DEF^BQILYDEF	BQIPLCNV , BQIPLRFV
\$\$TPN^BQILYUTL	BQICONPL , BQIGPPL , BQIMTCRD , BQIPLCNV , BQIPLRFV , BQIREFPL
EN^BQIMSLST	BQIPLRFU , BQIUTB
AST^BQINIGH1	BQINIGHT
COMM^BQINIGH1	BQIUTB , BQIUTB5
FHDX^BQINIGH1	BQIUTB , BQIUTB5
MEAS^BQINIGH1	BQINIGHT
ARM^BQINIGH2	BQINIGHT
CMA^BQINIGH2	BQINIGHT
DMA^BQINIGH2	BQI25POS , BQINIGHT
IMM^BQINIGH2	BQINIGHT
NGHT^BQINIGH2	BQINIGHT
PRF^BQINIGH2	BQINIGHT
PRN^BQINIGH2	BQINIGHT
IJB^BQINIGH3	BQINIGHT
REG^BQINIGH4	BQINIGHT
INP^BQINIGHT	BQIGPPL , BQITASK
\$\$DUP^BQINOTF	BQIRMDR
ADD^BQINOTF	BQIRMCHK , BQIRMDR
COMP^BQINOTR	BQIRMDR
DESC^BQIPDSCM	BQINIGH2
\$\$CVW^BQIPLCNV	BQIPLLAY
\$\$TMPL^BQIPLCNV	BQIPLLAY
FIL^BQIPLCNV	BQIPLLAY
POP^BQIPLPP	BQINIGH2
KXRF^BQIPLPU	dd90505 .01
ORD^BQIPLPU	BQINIGH2
SXRF^BQIPLPU	dd90505 .01
\$\$CSTA^BQIPLRF	BQINIGH2
\$\$LCK^BQIPLRF	BQINIGH2
NNOTF^BQIPLRF	BQINIGH2
STA^BQIPLRF	BQINIGH2
ULK^BQIPLRF	BQINIGH2
\$\$CVW^BQIPLRFV	BQIPLLAY
\$\$TMPL^BQIPLRFV	BQIPLLAY
FIL^BQIPLRFV	BQIPLLAY
\$\$CVW^BQIPLRVW	BQIPLLAY
\$\$TMPL^BQIPLRVW	BQIPLLAY
FIL^BQIPLRVW	BQIPLLAY
\$\$CPFL^BQIPLUTL	BQINIGH2
CPFLU^BQIPLUTL	BQINIGH2
KXRF^BQIPLUTL	dd90505 .115 , dd90505 .1151
PFILL^BQIPLUTL	BQINIGH2
PFILU^BQIPLUTL	BQINIGH2
SXRF^BQIPLUTL	dd90505 .115 , dd90505 .1151
\$\$DFNC^BQIPLVW	BQIPLLAY
\$\$SFNC^BQIPLVW	BQIPLLAY
\$\$CVW^BQIPLVWC	BQIPLLAY
\$\$TMPL^BQIPLVWC	BQIPLLAY
FIL^BQIPLVWC	BQIPLLAY

\$\$ISACTIVE^BQIPTINS	BQIUL2
\$\$IMM^BQIREM	BQIRMDR
\$\$LIMM^BQIREM	BQINOTR, BQIRMDR2
PAT^BQIRGASP	BQICMPAT, BQINIGH1, BQITASK2, BQITASK3
EN^BQIRGDMA	BQINIGH2
LBT^BQIRGPG	BQINIGH2
EN^BQIRMCHK	BQIRMDR
CHK^BQIRMDR	BQINIGHT, BQITASK1
FIL^BQIRMDR	BQIRMDR1, BQIRMDR2, BQIRMIZ
FILE^BQIRMDR	BQIRMDR1, BQIRMDR2
PAT^BQIRMDR	BQINIGHT, BQITASK1
RMR^BQIRMDR	BQITASK1
\$\$VAL^BQIRMDR1	BQIMTCRD, BQIPDSC1
CMET^BQIRMDR1	BQIRMDR
CMT^BQIRMDR1	BQIRMDR
EHR^BQIRMDR1	BQIRMDR
EMR^BQIRMDR1	BQIRMDR
REA^BQIRMDR1	BQIRMDR, BQIRMDR2
REG^BQIRMDR1	BQIRMDR, BQITASK1
IFR^BQIRMDR2	BQI25POS, BQIRMDR
IZ^BQIRMDR2	BQI25POS, BQIRMDR
IMM^BQIRMIZ	BQINOTR
PTLS^BQIRMIZ	BQIRMDR2
\$\$RDEF^BQIRMP	BQIPLLAY
\$\$FIND^BQISCHED	BQISYSIT
DEL^BQITASK	BQITASK
DXC^BQITASK	BQITASK2
GPR^BQITASK	BQITASK2
NPT^BQITASK	BQINIGH1, BQINIGHT, BQITDINS
DZ^BQITASK1	BQINIGHT
CMG^BQITASK2	BQI25POS
JBDM^BQITASK2	BQISYPRM
JB^BQITASK4	BQISYPRM
UPD^BQITAXX4	BQIUTB
FCAT^BQITAXX5	BQITAXXP
PAT^BQITDPAT	BQINIGHT
EN^BQITDPRC	BQINIGH4, BQITASK
\$\$ATAG^BQITDUTL	BQIRGDBA
\$\$CMP^BQITDUTL	BQITASK
\$\$CTAG^BQITDUTL	BQIMTCRD
\$\$REG^BQITDUTL	BQITASK
NCR^BQITDUTL	BQITASK
PAT^BQITRMT	BQINIGHT
POP^BQITRMT	BQITASK3
\$\$NEGATIVE^BQITRUTL	BQITDLAB, BQITRUT2
\$\$POSITIVE^BQITRUTL	BQITDLAB, BQITRUT2
\$\$TAX^BQITRUTL	BQIRGCOP
\$\$MEAS^BQITUTL	BQIRGCOP
ARY^BQITUTL	BQITASK
BLD^BQITUTL	BQICMUT1, BQIDCAH3, BQINIGH4, BQIRGCOP, BQITAXX5, BQITDLAB, BQITRUT2
\$\$CTRL^BQIUL1	BQIRGDBA
\$\$DATE^BQIUL1	BQICAPT, BQICMUT1, BQICONPL, BQIMTCRD, BQINIGHT, BQIPTCON, BQIREFPL, BQIRMDR, BQISYPNL, BQITASK, BQITDBMI, BQITDLAB, BQITRUT2, BQIUL2, BQIULPT
\$\$FMTE^BQIUL1	BQICAPT, BQIGPPL, BQIHEADR, BQIMTCRD, BQINOTR, BQIPDSC1, BQIPTCON, BQIRGDBL, BQIRGDMA, BQISYPNL, BQISYSIT, BQITAXX5, BQITDINS, BQITDLAB, BQITRUT2, BQIUL2, BQIULPT
\$\$FMTMDY^BQIUL1	BQICONPL, BQIMTCRD, BQINOTR, BQIREFPL, BQIRGASP, BQIRGCOP, BQIRGHQC
\$\$HRN^BQIUL1	BQICMPAT, BQIDCREG, BQIIPPNL, BQINIGH1, BQINIGH4, BQINIGHT

	BQIRMIZ , BQITASK , BQITASK1 , BQITASK2 , BQITASK3
\$\$STRIP^BQIUL1	BQISCHED
\$\$TKO^BQIUL1	BQICAPT , BQICONPL , BQIGPPL , BQIMTCRD , BQINOTR , BQIPLCNV BQIPLRFV , BQIPTCON , BQIREFPL , BQIRGACM , BQIRGASP , BQIRGDBL BQIRGHQC , BQISYSIT , BQIUL2 , BQIULPT
\$\$TMPFL^BQIUL1	BQIRGDBA
\$\$TRIM^BQIUL1	BQIIPPNL
\$\$VTHR^BQIUL1	BQICMPAT , BQINIGH1 , BQINIGH4 , BQIRMIZ , BQITASK , BQITASK1 BQITASK2 , BQITASK3
\$\$VTWR^BQIUL1	BQINIGHT , BQITASK1
CMSI^BQIUL1	dd90507
\$\$PTR^BQIUL2	BQIUL2 , BQIUTB , BQIUTB5
\$\$STCC^BQIUL2	BQIRGDMA , BQITAXXP
\$\$ICD0^BQIUL3	BQITAXX5
\$\$ICD9^BQIUL3	BQITAXX5
\$\$CALR^BQIULPT	BQIGPPL , BQIHEADR , BQIMTCRD
\$\$FLG^BQIULPT	BQIGPPL , BQIHEADR , BQIMTCRD
\$\$MFLAG^BQIULPT	BQIGPPL , BQIHEADR , BQIMTCRD
\$\$SENS^BQIULPT	BQIGPPL , BQIHEADR , BQIMTCRD
\$\$KEYCHK^BQIULSC	BQICAPT , BQICONPL , BQIMTCRD , BQIMTCRT , BQIREFPL , BQIRMCHK
TAB^BQIUTB	BQIPLLAY
IUSR^BQIUTB1	BQIUTB
APST^BQIUTB2	BQIUTB
CLIN^BQIUTB2	BQIUTB
DPCP^BQIUTB2	BQIUTB
EPLIST^BQIUTB2	BQIUTB
FLTR^BQIUTB2	BQIUTB
IPCAT^BQIUTB2	BQIUTB
MUT^BQIUTB2	BQIUTB
PRST^BQIUTB2	BQIUTB
UCL^BQIUTB2	BQIUTB
VFL^BQIUTB2	BQIUTB
ALG^BQIUTB3	BQIUTB
COD^BQIUTB3	BQIUTB
CPT^BQIUTB3	BQIUTB
DET^BQIUTB3	BQIUTB
DIV^BQIUTB3	BQIUTB
EMP^BQIUTB3	BQIUTB
LAB^BQIUTB3	BQIUTB
LABR^BQIUTB3	BQIUTB
LANG^BQIUTB3	BQIUTB
MED^BQIUTB3	BQIUTB
PROB^BQIUTB3	BQIUTB
ACM^BQIUTB4	BQIUTB
CRM^BQIUTB4	BQIUTB
EDACU^BQIUTB4	BQIUTB
EDTYP^BQIUTB4	BQIUTB
EDUC^BQIUTB4	BQIUTB
EPICK^BQIUTB4	BQIUTB
ETOP^BQIUTB4	BQIUTB
EVTYP^BQIUTB4	BQIUTB
FSPEC^BQIUTB4	BQIUTB
IATYP^BQIUTB4	BQIUTB
IDTYP^BQIUTB4	BQIUTB
PRFC^BQIUTB4	BQIUTB
TMFRAM^BQIUTB4	BQIUTB
WARD^BQIUTB4	BQIUTB
\$\$SUBLST^BSTSAPI	BQITAXX5
EN^BTPWPFND	BQINIGHT
\$\$FLG^BTPWPPAT	BQIGPPL , BQIHEADR , BQIMTCRD
\$\$EVT^BTPWRMDR	BQIRMDR1

EN^DDIOL	dd90506.1, dd90506.5
^DIC	BQI25POS, BQI25PU, BQINOTR, BQIPDSC1, BQIPLCNV, BQIPLRFV BQIRGACM, BQIRGASP, BQIRGDMA, BQIRMDR, BQISCHED, BQITASK dd90508.014
\$\$FIND1^DIC	BQI25POS, BQICAPT, BQIMTCRD, BQIMTCRT, BQINIGH2, BQIRGACM BQIRMDR, BQITAXX5, BQITDBMI
FILE^DICN	BQI25POS, BQI25PU, BQINIGH1, BQINIGH2, BQINOTR, BQIPLCNV BQIPLRFV, BQIRGACM, BQIRGDMA, BQIRMDR, BQISYPRM, BQITASK BQITDINS
^DICR	dd90506.1
DT^DICRW	BQINIGH1, BQINIGHT, BQIUTB, BQIUTB6
\$\$GET1^DID	BQIUTB, BQIUTB5
FIELD^DID	BQIDCAH3, BQIUL2
^DIE	BQINIGH2, BQIRMDR
FILE^DIE	BQI25POS, BQI25PU, BQICASPM, BQINIGH1, BQINIGH2, BQINIGH4 BQINIGHT, BQINOTR, BQIPLCNV, BQIPLRFV, BQIRGACM, BQIRGASP BQIRGDMA, BQIRMDR, BQIRMDR1, BQISCHED, BQISYPRM, BQITASK BQITASK1, BQITASK3, BQITDINS
WP^DIE	BQINIGH1, BQINIGH2, BQIRGDMA
^DIK	BQI25PRE, BQICMPAT, BQINIGH1, BQINIGH2, BQINIGH4, BQINIGHT BQIRMDR, BQISYPRM, BQITASK, BQITASK2, BQITDINS
ENALL^DIK	BQI25PU, BQIRMDR
IX1^DIK	BQI25PU1, BQINIGHT
\$\$IENS^DILF	BQICAPT, BQICONPL, BQIDCREG, BQIGPPL, BQIIPPNL, BQIMTCRD BQIMTCRT, BQINIGH1, BQINIGH2, BQINIGH4, BQINIGHT, BQINOTR BQIPDSC1, BQIPLCNV, BQIPLRFV, BQIREFPL, BQIRGACM, BQIRGASP BQIRGDBL, BQIRGDMA, BQIRGHQC, BQIRMDR, BQIRMDR1, BQITASK BQITAXX5, BQITDINS, BQIUL2 BQIULPT
DA^DILF	BQIPTCON
\$\$ROOT^DILFD	BQICMUT1, BQIDCREG, BQINIGH4, BQINIGHT, BQIRGDBL, BQITAXX5 BQIUTB
\$\$VFIELD^DILFD	BQIRMDR
\$\$VFILE^DILFD	BQIUTB
^DIM	dd90506, dd90506.03, dd90506.04, dd90506.1, dd90506.5 dd90506.51, dd90507, dd90508.221
\$\$GET1^DIQ	BQICAPT, BQICASPM, BQICMUT1, BQICONPL, BQIDCREG, BQIGPPL BQIHEADR, BQIIPPNL, BQIMTCRD, BQIMTCRT, BQINIGH1, BQINIGH2 BQINIGH4, BQINIGHT, BQINOTR, BQIPDSC1, BQIPLCNV, BQIPLRFV BQIPTCON, BQIREFPL, BQIRGASP, BQIRGDBL, BQIRGHQC, BQIRMDR BQIRMDR1, BQISYPRM, BQISYSIT BQITAXX5, BQITDINS, BQITDLAB, BQITRUT2, BQIUL2, BQIULPT BQIUTB, BQIUTB5
GETS^DIQ	BQICONPL, BQIPDSC1, BQIPTCON
EN^DIU2	BQI25PRE
DELETE^HLOPURGE	BQINIGH2
\$\$CODEC^ICDCODE	BQIULPT
\$\$VST^ICDCODE	BQIULPT
\$\$CSI^ICDEX	BQINIGH1
\$\$ICDDX^ICDEX	BQINIGH1
\$\$CPT^ICPTCOD	BQITAXX5
MAIN^PXR	BQIRMDR1
\$\$PRIMVPRV^PXUTL1	BQIUL2, BQIULPT
\$\$CURRENT^USRLM	BQIUTB, BQIUTB5
\$\$LOWER^VALM1	BQINIGH1, BQIRMDR1, BQIUTB
\$\$DOW^XLFDT	BQISCHED
\$\$DT^XLFDT	BQINIGH2, BQINIGHT, BQIRMDR, BQITASK, BQITASK1
\$\$FMADD^XLFDT	BQI25POS, BQINIGH1, BQINIGH2, BQINIGHT, BQIRGASP, BQIRGDBA BQIRGDMA, BQIRMDR, BQISCHED, BQITASK, BQITASK1, BQITASK2 BQITASK3, BQITDLAB, BQITRUT2, BQIULPT
\$\$FMDIFF^XLFDT	BQISCHED, BQITASK2

\$\$FMTE^XLFDT	BQINIGHT, BQINOTR, BQIRGASP, BQIRGDMA, BQISYPNL, BQISYSIT
\$\$HTFM^XLFDT	BQISYSIT
\$\$NOW^XLFDT	BQI25POS, BQICAPT, BQICASPM, BQICONPL, BQIDCREG, BQIGPPL BQIIPPNL, BQIMTCRD, BQIMTCRT, BQINIGH1, BQINIGH2, BQINIGHT BQINOTR, BQIPLCNV, BQIPLLAY, BQIPLRFV, BQIREFPL, BQIRGASP BQIRGCOP, BQIRGDBA, BQIRMDR, BQISYPNL, BQISYPRM, BQISYSIT BQITASK, BQITASK1, BQITASK2 BQITASK3, BQITDBMI, BQIULPT, BQIUTB
\$\$STRIP^XLFSTR	BQIPDSC1, BQIRGDBA, BQITAXX5, BQIUL2
\$\$UP^XLFSTR	BQIRGDMA, BQIRMDR1, BQIUL2
\$\$GET^XPAR	BQICONPL, BQISYPNL
\$\$PATCH^XPDUTL	BQIRMDR, BQISCHED, BQISYSIT
\$\$VERSION^XPDUTL	BQIGPPL, BQINIGH1, BQINIGHT, BQISYSIT, BQITASK, BQIULPT
RESCH^XUTMOPT	BQISCHED

Figure 8-1: iCare Population Management GUI

8.2 Callable Routines—Published Entry Points

Table 8-1 provides a list of callable routines and their descriptions.

Table 8-1: Callable Routines

Routine Called	Description
GVHMR^APCHSMU; PEP	Call accessible by any application
LASTNAP^APCLAPI6; PEP	Date of last NO ACTIVE PROBLEMS
LASTPLR^APCLAPI6; PEP	Date of last PROBLEM LIST REVIEWED
PBMI^APCLV; PEP	Returns a patient's most current BMI as of a specified date
PRIMPROV^APCLV; PEP	Returns primary provider on that visit in F format
FHCHK^ AUPNSICD; PEP	Called from input tx on FAMILY HISTORY .01 field
ALLDP^BDPAPI; PEP	Returns array of designated providers in all categories or 1-category
UNFOLDTX^BGP6UTL2; EP	Sets up all the taxonomies for CRS
R^BIDUR ;EP	Retrieves immunization forecaster patients according to specs
UPDATE^BIPATUP ;EP	Update Patient Imms Due (in ^BIPDUE) using Immserve Utility
API^BMCAPI1 ;EP	Returns Referrals
\$\$SUBLST^BSTSAPI ;PEP	Returns a list of concepts in a specified subset

8.3 Exported Options

There are no callable options in iCare since the user interface is GUI. Table 8-2 shows BQIRPC, which is the broker option which must be used to access iCare.

Table 8-2: Exported options

Option Name	Description
BQIRPC	Hosts RPCs in the BQI namespace. iCare users must have access to this option to use iCare.

9.0 Archiving and Purging

There is no archiving or purging in iCare.

10.0 Documentation Resources

This section describes the methods to generate iCare system technical documentation.

10.1 %INDEX Option

The %INDEX option analyzes the structure of a routine to determine in part if the routine adheres to RPMS programming standards. Its 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 to see how routines interact with one another i.e., which routines call or are called by other routines.

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

10.2 List File Attributes Option

This Department of Veterans Affairs (VA) FileMan option allows users to generate documentation pertaining to files and file structure. Using the standard format of the VA FileMan option yields the following data dictionary information for a specified file:

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

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

- Field name, number, title, and description

- Global location
- “Help” prompt
- Cross-references
- Input transform
- Date last edited
- Notes

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

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

For a comprehensive listing of iCARE package files, please refer to Section 6.0.

11.0 SAC Requirements and Exemptions

Figure 11-1 is a Standards and Conventions (SAC) Exemption Request for use of third-party User Interface (UI) controls.

Request for Exemption to RPMS Programming Standards	
Package: BQI-iCare	Date: Jan. 07
Program: N/A	
Line Number: N/A	
Applicable Standard: Section 9 of the 2006 SAC	
Item #7 under Section 9.3 states that a SAC exemption must be requested for use of commercially purchased controls.	
Reason for Exemption:	
Requirements for the iCare application required the use of enhanced UI controls for datagrid, toolbars, tabbed MDI interface and print preview displays. To accommodate these needs without significant additional development time and cost associated with developing these custom controls, commercially available user interface controls were purchased from Infragistics® for a nominal fee and were utilized within the GUI portion of the iCare application. The set of controls used at the time of this writing is the NetAdvantage® for Windows® Forms–Version 2007 Vol 1.	
The licensing agreement is attached with this application, and our understanding is that the control dll files may be incorporated and distributed with applications freely. The charge only comes into play for the developer licenses, i.e. in order for a developer to use these controls within a new application; they must have a properly licensed copy of the developer tools on the machines used for development.	
Use of these tools was suggested and encouraged by IHS liaisons early in the design phase of the project.	
Additional information about these controls is available from the Infragistics® Web site:	
Product Description:	
http://www.infragistics.com/dotnet/netadvantage/winforms.aspx#Overview	
508 Accessibility Information:	
http://www.infragistics.com/learn/accessibility.aspx	
Current license agreement:	
http://www.infragistics.com/products/license.aspx#LicenseAgreements	
Developer:	
SACC Review	Date:
Recommend APPROVAL___ DISAPPROVAL___	
Duration:	
Comments:	
OIT Action	Date:
Request APPROVED___ DISAPPROVED___	
Comments:	
Director, DIT	

Figure 11-1: Exemption Request

12.0 Templates, Forms, and Protocols

12.1 Print Templates

There are no print templates in iCare.

12.2 Sort Templates

There are no sort templates in iCare.

12.3 Input Templates

There are no input templates in iCare.

12.4 List Templates

There are no list templates in iCare.

12.5 Forms

There are no forms in iCare.

12.6 Protocols

There are no protocols in iCare.

13.0 iCare Windows Client

13.1 Description of Development Environment

The iCare application was developed using the programming language C# within Microsoft® (MS) Visual Studio® (VS) 2013 integrated development environment (IDE). iCare is written to utilize the Microsoft® .NET 4.0 framework (Client Profile). All new classes created for the iCare application exist within the namespace IndianHealthService.iCare.

In addition to the standard .NET object classes, the iCare application also uses commercially available Windows® form controls from Infragistics®. All the controls used were part of a package of controls named Infragistics® NetAdvantage® for Windows® Forms 2015 Volume 2.

In addition, the iCare application also utilizes the BMX version 4.0 software to facilitate security authentication and communication between the GUI Windows® application and the RPMS server data. All data retrieval and updates are handled through the RPCs defined in the BQIRPC and BMXRPC namespaces.

All of the dynamic link library (dll) files upon which iCare depend are delivered with the iCare application install package and are stored in the iCare program directory. The default iCare install directory is: C:\%ProgramFiles%\Indian Health Service\iCare Version {Version Number}. There are no Active-X/COM files installed or registered with the iCare application.

13.2 iCare RPMS Server Requirements

The RPMS server portion of the iCare application does not require a specific version of Cache® or operating system (OS). However, the server needs to be able to support BMX 4.0 fully, and is therefore subject to any requirements needed to run that application. Please refer to the BMX version 4.0 Technical Manual for details.

The iCare GUI client has certain workstation OS and hardware requirements, as detailed in Section 2.32 of the iCare (BQI) Installation Guide and Release Notes.

13.3 List of iCare GUI Dependencies

Table 13-1 shows the GUI dependencies associated with the iCare application.

Table 13-1: GUI dependencies

Dependency	Assembly Version	Description
Microsoft .Net 4.0 Framework (Client Profile)	Version 4.0 with any subsequent service packs from Microsoft®	The Microsoft® .NET 4.0 Framework is required for the iCare allocation. The iCare installation package will check this prerequisite during install and will assist with the download of this update from Microsoft®. If online download is not available, installation will not be allowed until .Net 4.0 has been installed by other means.
BMXNet20.dll	2.0	This is the original BMXNet 2.0 dll utilized by BMXNet 4.0 to map existing connection information cached on clients to the new BMXNet 4.0 configuration.
BMXNet40.dll	4.0.0.2	This library file contains the general BMXNet 4.0 client-side utilities and functions for connecting to the RPMS server and managing data connections.
BMXWIN40.dll	4.0.0.2	This dll contains BMXNet 4.0 client side utilities and functions that are specific to use within the Windows stand-alone application environment.
bqi-iCareControlLibrary1.dll	2.1	The iCareControlLibrary1 is a Visual Studio® 2013 collection of custom UI controls used by the iCare client.
bqi-ultraGridToolBar.dll	2.1	The ultraGridToolBar is a Visual Studio® 2013 custom UI control used by the iCare client.
RichTextBoxPrintControl.dll	1.0.0.0	This class extends the RichTextBox control to allow for generation of formatted print documents for use in print preview and print to printer functions. Specifically, this is used to print character based reports pulled from RPMS and displayed in the iCare application.
UserInactivityMonitoring.dll	0.0.0.0	This class allows the iCare application to monitor user activity and implement locking and timeout functionality required by IHS for implementation on shared client machines.
Infragistics® NetAdvantage® for Windows® Forms 2015 Vol.2	15.2.20152.2023	These dll files are also distributed with the iCare installation package. See Section 6.1 for details of individual files that are distributed.
Microsoft.Office.Interop.Excel.dll	14.0.0.0	Microsoft® Office Interoperability dll used to allow iCare to open, edit and save MS Excel® files.

Table 13 1 GUI dependencies

13.4 iCare Windows Client–Install %

Table 13-2 shows all of the files that will be installed with the iCare application. These files are installed into the main iCare application folder, which defaults to C:\%ProgramFiles%\Indian Health Service\iCare {Version Number}.

Table 13-2: iCare Windows® install client

Filename	Assembly Version	Description
bqi-iCare.exe	2.5.0.5	This is the main iCare executable used to launch and run the iCare application.
BMXNet20.dll	2.0	This is the original BMXNet 2.0 dll utilized by BMXNet 4.0 to map existing connection information cached on clients to the new BMXNet 4.0 configuration.
BMXWIN40.dll	4.0.0.2	This dll contains BMXNet 4.0 client side utilities and functions that are specific to use within the Windows® stand-alone application environment.
BMXNET40.dll	4.0.0.2	This library file contains the general BMXNet 4.0 client-side utilities and functions for connecting to the RPMS server and managing data connections.
bqi-iCareControlLibrary1.dll	2.1.0.0	The iCareControlLibrary1 is a Visual Studio® 2012 collection of custom UI controls used by the iCare client.
bqi-ultraGridToolBar.dll	2.1.0.0	The ultraGridToolBar is a custom Visual Studio® 2012 UI control that handles the set of buttons for search, print, copy, and export to MS Excel® on each datagrid in the iCare application.
RichTextBoxPrintControl.dll	1.0.0.0	This class extends the RichTextBox control to allow for generation of formatted print documents in print preview and print to printer functions. Specifically, this is used to print character based reports pulled from RPMS and displayed in the iCare application.
UserInactivityMonitoring.dll	0.0.0.0	This class allows the iCare application to monitor user activity and implement locking and timeout functionality required by IHS for implementation on shared client machines.
Microsoft.Office.Interop.Excel.dll	14.0.0.0	Microsoft® Interop dll. Used to reference Microsoft® Office® documents.
CMET.chm		Compiled HTML file that contains the online help for CMET.
HIV_AIDS.chm		Compiled HTML file that contains the online help for HIV/AIDS.
Improving_Patient_Care.chm		Compiled HTML file that contains the online help for IPC.

Filename	Assembly Version	Description
Meaningful_Use.chm		Compiled HTML file that contains the online help for Meaningful Use.
Natl_Meaures.chm		Compiled HTML file that contains the online help for National Measures.
Panel_Definition.chm		Compiled HTML file that contains the online help for Panel Definition.
Panel_List.chm		Compiled HTML file that contains the online help for Panel List.
Panel_View.chm		Compiled HTML file that contains the online help for Panel View.
Patient_Record.chm		Compiled HTML file that contains the online help for Patient Record.
Taxonomy_Maintenance.chm		Compiled HTML file that contains the online help for Taxonomy Maintenance.

Table 13-3 shows all of the files that are part of a set of enhanced UI controls from Infragistics® called NetAdvantage® for Windows Forms® Version 2015 Volume 2.

Table 13-3: Enhanced UI controls

Filename	Assembly Version	Description
Infragistics4.Documents.Core.v15.2.dll	15.2.20152.2023	This file contains the Infragistics® Document Engine that allows export of PDF and XML formats.
Infragistics4.Documents.Excel.v15.2.dll	15.2.20152.2023	This file contains helper classes that allow export to Excel® format without requiring that Excel® is installed on the client machine.
Infragistics4.Documents.Reports.v15.2.dll	15.2.20152.2023	This file contains the Infragistics Document Engine that allows export of PDF and XML formats.
Infragistics4.Shared.v15.2.dll	15.2.20152.2023	This file contains general functions and types common to all of the Infragistics® controls.
Infragistics4.Win.Misc.v15.2.dll	15.2.20152.2023	This is a set of other miscellaneous functions and data types used when working with the other Infragistics® classes.
Infragistics4.Win.UltraWinCalcManager.v15.2.dll	15.2.20152.2023	This dll file contains functionality to allow definition of functions and calculations with the Infragistics® UltraGrid™ enhanced DataGrid class.
Infragistics4.Win.UltraWinChart.v15.2.dll	15.2.20152.2023	This dll file contains functionality used when charting patient measurements from PCC over time.

Filename	Assembly Version	Description
Infragistics4.Win.UltraWinDataSource.v15.2.dll	15.2.20152.2023	This dll file contains functionality to create manage data sources that can be used with the Infragistics® UltraGrid™, etc.
Infragistics4.Win.UltraWinDock.v15.2.dll	15.2.20152.2023	This dll file contains functionality to create manage docks that can be used with the Infragistics® UltraGrid™, etc.
Infragistics4.Win.UltraWinEditors.v15.2.dll	15.2.20152.2023	This dll file contains enhanced UI input controls such as the calendar date picker and special combo boxes.
Infragistics4.Win.UltraWinGauge.v15.2.dll	15.2.20152.2023	This dll file contains enhanced UI input control such as gauges.
Infragistics4.Win.UltraWinGrid.ExcelExport.v15.2.dll	15.2.20152.2023	This file contains the classes used to handle export of information from UltraGrid™ DataGrid to Excel® format.
Infragistics4.Win.UltraWinGrid.v15.2.dll	15.2.20152.2023	The UltraGrid™ is an enhanced data-bound DataGrid used to display tabular data to the user. This also allows users to sort, filter, arrange columns, and select rows of data at run time.
Infragistics4.Win.UltraWinListBar.v15.2.dll	15.2.20152.2023	The UltraWinListBar is used to aid with navigation to forms.
Infragistics4.Win.UltraWinListView.v15.2.dll	15.2.20152.2023	The UltraWinListView is a user interface control to display lists of items.
Infragistics4.Win.UltraWinPrintPreviewDialog.v15.2.dll	15.2.20152.2023	This file contains classes to handle print preview windows for printable items with the application and allows for zoom, page layout adjustments, etc.
Infragistics4.Win.UltraWinSchedule.v15.2.dll	15.2.20152.2023	This file contains classes for scheduling controls for uses such as calendar, week views and month views, etc.
Infragistics4.Win.UltraWinStatusBar.v15.2.dll	15.2.20152.2023	The UltraWinStatusBar provides the enhanced status bar used at the bottom of form to provide status text and row counts.
Infragistics4.Win.UltraWinTabbedMdi.v15.2.dll	15.2.20152.2023	The classes within this file provide a way to present multiple forms within a tabbed interface style.
Infragistics4.Win.UltraWinTabControl.v15.2.dll	15.2.20152.2023	The UltraWinTabControl provides an enhanced tab UI interface used on forms to present multiple pages of data.
Infragistics4.Win.UltraWinToolbars.v15.2.dll	15.2.20152.2023	This file contains classes to handle the toolbars, menu and context menus (right-click) within Windows forms.
Infragistics4.Win.UltraWinTree.v15.2.dll	15.2.20152.2023	The UltraWinTree allows presentation of data in a tree style layout where the user is able to drill down into categories of data.

Filename	Assembly Version	Description
Infragistics4.Win.v15.2.dll	15.2.20152.2023	This file contains classes used at a high level to control application-wide styles and appearances and interface with Windows XP themes, etc.

13.5 iCare Windows Client — List of Object Classes

Table 13-4 shows the new object classes used within the iCare Windows[®] application. All of the specified class names exist within the namespace IndianHealthService.iCare.

Table 13-4: Object Classes

Class Name	Assembly	Description
CMETUtilities	bqi-iCare.exe	The CMETUtilities class provides utilities for implementation of CMET functionality in iCare.
CmetWorksheet	bqi-iCare.exe	The CmetWorksheet class is a custom user control used to implement the CMET Worksheet functionality for processing a CMET tracked event through iCare.
DAddTemplate	bqi-iCare.exe	DAddTemplate class provides a view to allow users to select layout type and template name before editing template.
DAppTimeCountdown	bqi-iCare.exe	DAppTimeCountdown class provides a 60 second timer gauge for counting down before minimizing iCare application.
DBackProcProperties	bqi-iCare.exe	The DBackProcProperties class provides a grid view of the status for background jobs that iCare utilizes. The screen displays the name of the process, the last run date/time, and the next run date/time.
DCategoryPicker	bqi-iCare.exe	The DCategoryPicker class provides the user the ability to pick a desired category for a panel. Category editing can also be accessed from this class.
DChartView	bqi-iCare.exe	The DChartView class provides the user the ability to graph PCC Measurement data for a specific patient through iCare.
DChartViewIPCFacAgg	bqi-iCare.exe	The DChartViewIPCFacAgg class provides the user the ability to graph IPC Facility Aggregated Measurement data through iCare.
DChartViewIPCProvAggByMeas	bqi-iCare.exe	The DChartViewIPCProvAggByMeas class provides the user the ability to graph IPC Provider Aggregated Measurement selected by measure data through iCare.

Class Name	Assembly	Description
DChartViewIPCProvAggByProv	bqi-iCare.exe	The DChartViewIPCProvAggByProv class provides the user the ability to graph IPC Provider Aggregated Measurement selected by provider data through iCare.
DChartViewNationalMeasurements	bqi-iCare.exe	The DChartViewNationalMeasures class provides the user the ability to graph National Measurement data for a specific patient through iCare.
DChoiceDlg	bqi-iCare.exe	The DChoiceDlg class allows the user to select one or more selections in a generic dialog as a list of radiobuttons or checkboxes.
DCMETSiteParameters	bqi-iCare.exe	The DCMETSiteParameters class allows the user with CMET Package Manager access to edit the CMET Site Parameters.
DColorPicker	bqi-iCare.exe	The DColorPicker class allows the user to select a desired color and is implemented to support the new panel category feature.
DCommAlerts	bqi-iCare.exe	The DCommAlerts class provides a display of any active community alerts at login.
DCopyPanel	bqi-iCare.exe	The DCopyPanel class allows the user to create a copy of a panel from the user's panel list in iCare.
DGenEdit	bqi-iCare.exe	The DGenEdit class is a table-driven dynamic data entry form that can be used to provide an interface to simpler RPMS data entry screens.
DGenEditForm	bqi-iCare.exe	This class simply provides a prewrapped DGenEdit control in a form with appropriate default form settings preconfigured.
DGridView	bqi-iCare.exe	The DGridView class provides a generic grid data display form with the standard grid functions (search, print, etc.) for data best displayed in a tabular fashion.
DiCareMain	bqi-iCare.exe	The iCareMain class provides the main form for the iCare application. It currently contains a tabbed multiple document interface (MDI) control that holds the Panel List and the Flag List for the signed-in iCare user. Closing the main form will exit the application.
DInputDialog	bqi-iCare.exe	The DInputDialog class provides a generic user input form used primarily when copying panels to a different name. Updated in to allow masked input and encryption for electronic signature functionality.
DInputDialogMultiline	bqi-iCare.exe	The DInputDialogMultiline class provides a generic user input form to allow multiline data entry.

Class Name	Assembly	Description
DlpcExport	bqi-iCare.exe	The DlpcExport class provides a method for the user to select month and provider to export for IPC reporting.
DLabFilter	bqi-iCare.exe	The DLabFilter class allows users to edit an existing Lab Detail filter entry for use in DPanelDef as panel filter
DLetterView	bqi-Care.exe	The DLetterView class allows users to create a TIU note through iCare, save it to RPMS and sign it electronically to complete it.
DManageTemplates	bqi-Care.exe	The DManageTemplates class provides window for users to manage templates for panel view. Templates are now shareable across users.
DMsgBox	bqi-iCare.exe	The DMsgBox class provides a generic message box that displays a message to the user when the application is performing a task that must complete before the user can continue.
DNewVersion	bqi-iCare.exe	The DNewVersion class allows users to choose to revisit their User Preferences when a new version of the software is released.
DNotifications	bqi-iCare.exe	The DNotifications class provides a form to allow the user to manage notifications received for the user regarding changes to shared panels, panel repopulate issues, etc.
DPanelDef	bqi-iCare.exe	The DPanelDef class provides a form to allow the user to manage an individual panel definition used to generate the patient list, as well as preview changes to the list, customize the patient list and detail layouts, manage sharing, and auto-repopulate options.
DPanelProperties	bqi-iCare.exe	This form provides a display of some of the panel's more detailed properties in tabbed interface.
DPanelSearch	bqi-iCare.exe	The DPanelSearch class provides a form to allow the user to search the patient list from DPanelView based on demographic fields.
DPanelView	bqi-iCare.exe	The DPanelView class provides a form to allow the user to view and manage an individual panel of patients. This form contains a customizable patient list, flag list, customizable GPRA detail list, and GPRA Aggregate all based on patients in the panel.
DPatientProperties	bqi-iCare.exe	The DPatientProperties form class provides a display of additional demographic and other fields related to the patient record in a pop-up window display.

Class Name	Assembly	Description
DPatientView	bqi-iCare.exe	The DPatientView class provides a form to allow the user to view and manage an individual patient. This form contains the following tabs: Cover Sheet, Flags, Reminders, Patient GPRA, Face Sheet, Health Summary, Wellness Summary, Labs, Meds, Radiology, and Problem List. The user can manage an individual patient's flags and view patient results in this form.
DPccEdit	bqi-iCare.exe	The DPccEdit class provides the user interface for entering historical PCC event data through iCare.
DPnlAddRemove	bqi-iCare.exe	The DPnlAddRemove class provides a form to allow users to select/deselect panels. This functionality is used when selecting panel filters, adding a patient to panels, and selecting panels to immediately repopulate in the background.
DQueuedEventsTrack	bqi-iCare.exe	The DQueuedEventsTrack class allows users to track CMET data mined events as a batch or singly with the ability to continue on to the CMET Worksheet.
DReassignPanel	bqi-iCare.exe	The DReassignPanel class allows users with iCare Package Manager access to reassign panels from one iCare user to another – especially if users are no longer with the organization.
DRegBatchEdit	bqi-iCare.exe	This class provides a dialog that allows the user to change selected values on multiple selected patients within a panel.
DReportGenCancel	bqi-iCare.exe	The DReportGenCancel provides a way to cancel Async loading reports.
DReportMsgCancel	bqi-iCare.exe	The DReportMsgCancel provides a cancel message box after a user cancels an Async report.
DSearchInfo	bqi-ultraGridToolBar.dll	The DSearchInfo class provides a form for the user to search for values within the context of a bound UltraGrid™ (Infragistics® control).
DSearchText	bqi-iCare.exe	The DSearchText class allows users to search RichTextBox controls to implement Find functionality.
DSelectPatient	bqi-iCare.exe	The DSelectPatient class provides a form to allow users to select patients from the RPMS system based on name, HRN, and DOB searches.
DSiteParametersDivision	bqi-iCare.exe	The DSiteParametersDivision class provides a way for users to set Division site parameters settings.

Class Name	Assembly	Description
DSiteParametersDMAudit	bqi-iCare.exe	The DSiteParametersDMAudit class provides a way for users to set DM Audit site parameters settings.
DSiteParametersEmployer	bqi-iCare.exe	The DSiteParametersEmployer class provides a way for users to set Employer site parameters settings.
DSiteParametersGroupOrder	bqi-iCare.exe	The DSiteParametersGroupOrder class provides a way for users to set Group Order site parameters settings.
DSiteParametersIPC	bqi-iCare.exe	The DSiteParametersIPC class provides a way for users to set IPC site parameters settings.
DSiteParametersLockiCare	bqi-iCare.exe	The DSiteParametersLockiCare class provides a way for users to set iCare time out settings.
DSiteParametersMU	bqi-iCare.exe	The DMUSiteParameters class allows users with the appropriate security key to maintain the site's MU site parameters.
DSiteParametersPregnancy	bqi-iCare.exe	The DSiteParametersPregnancy class provides a way for users to set Pregnancy site parameters settings.
DSplash	bqi-iCare.exe	The DSplash class provides the initial splash screen displayed when starting iCare to show startup progress and installed version.
DTableLookup	bqi-iCare.exe	The DTableLookup class provides the ability for users to search for items for generic table search and is implemented in support of the DGenEdit class for generic form generation.
DTagHistory	bqi-iCare.exe	The DTagHistory class provides the user the ability to review the audit history of changes related to a patient's diagnostic tags including the factors that proposed the tag.
DTagReason	bqi-iCare.exe	The DTagReason class provides the user with a form to enter the reason for proposing, accepting or not accepting a diagnostic tag for a patient.
DTaxonomyLookup	bqi-iCare.exe	The DTaxonomyLookup class provides the ability to search for taxonomy items to be included in site populated taxonomies.
DTaxonomyMaint	bqi-iCare.exe	The DTaxonomyMaint class provides a form to allow users to review and edit site-populated taxonomies if the users have the proper access rights.
DTemplate	bqi-iCare.exe	The DTemplate class provides the user the ability to enter user data into existing TIU templates in order to include the template and input into a TIU note.

Class Name	Assembly	Description
DTextView	bqi-iCare.exe	The DTextView class provides the user the ability to view text detail such as visit detail, lab detail, etc. for review in iCare.
DToast	bqi-iCare.exe	The DToast class provides the display of Notifications received by iCare displayed as a pop-up message that will appear and disappear like other MS® notifications.
DTrackedEventClose	bqi-iCare.exe	The DTrackedEventClose class allows users to enter a close reason and comment when closing a CMET tracked event.
DUnlock	bqi-iCare.exe	The DUnlock class prompts a user to enter their current verify code to unlock iCare.
DUserAppPrefs	bqi-iCare.exe	The DUserAppPrefs class provides a form to allow the user to manage their application preferences such as My Patients Definition, Flag Preferences, and Default Startup View. The form defined by this class also doubles as the Initial Login Wizard that allows users to set up their preferences when first logging into iCare.
DUserRoles	bqi-iCare.exe	The DUserRoles class gives users the ability to manage iCare access rights to manager keys and editor keys for iCare and the CMET package manager keys.
DValAddRemove	bqi-iCare.exe	The DValAddRemove class allows users to select one or more values from RPMS tables.
DValTreeAddRemove	bqi-iCare.exe	The DValTreeAddRemove class allows users to select one or more values from RPMS tables using TreeView controls.
DViewLayout	bqi-iCare.exe	The DViewLayout class allows users to edit their individual panel layouts and default layout templates.
DVisitFilter	bqi-iCare.exe	The DVisitFilter class allows users to define a Visit Detail filter associated with a panel definition. The DVisitFilter class is only referenced from DPanelDef at this time.
iCareDocumentManager	bqi-iCare.exe	The iCareDocumentManager class provides the framework for RPMS session connectivity, authentication, and other sign-on tasks. The iCareDocumentManager class also serves as the main document controller for the application by managing a list of open windows, document locking, most recently used (MRU) list, and logic to handle cleanup on application exit.
iCareUser32	bqi-iCare.exe	The iCareUser32 class provides access to User32.dll methods and is implemented to lock iCare.

Class Name	Assembly	Description
iCareUtilities	bqi-iCare.exe	The iCareUtilities class contains utility functions used through the iCare application.
LabelLookup	bqi-iCare.exe	The LabelLookup class is a custom user control implemented in DGenEdit for table lookups when the RPMS table is too big to display as a combo box.
mdiAlerts	bqi-iCare.exe	The mdiAlerts class provides the MDI form that allows users to manage flags for any patient in at least one panel of the user's panel list. Flags can be refreshed, shown, and hidden from this form and patients can be opened from the form defined by this class, as well.
mdiCommunityAlerts	bqi-iCare.exe	The mdiCommunityAlerts class provides a form that can be added as a tab on iCareMain screen to provide a list of current community alerts.
mdiEventTracking	bqi-iCare.exe	The mdiEventTracking class provides a form that is added as a tab on the iCare Main form to provide access to CMET events via three sub-tabs, Events, Tracked Events, and Follow-up Events, where users can manage their site's CMET workflow.
mdiIPC	bqi-iCare.exe	The mdiIPC class provides a form that is added as a tab on the iCare Main form to provide access to IPC measurements via four sub-tabs where users can review their site's IPC performance: Patient Detail; Provider Detail; Providers Aggregated; and Facility Aggregated.
mdiMeaningfulUse	bqi-iCare.exe	The mdiMeaningfulUse class provides a form that is added as a tab on the iCare Main form to provide access to Meaningful Use measurements via four sub-tabs where users can review their site's MU performance: Providers – Obj; Hospital/CAHs – Obj; Providers – CQ; and Hospital/CAHs – CQ.
mdiNationalMeasures	bqi-iCare.exe	The mdiNationalMeasures class provides a form that is added as a tab on the iCare Main form to provide access to the site's National Measures performance.
mdiPanelList	bqi-iCare.exe	The mdiPanelList class provides the MDI-child form that allows users to manage panels that are owned (created) by them or shared with them by another user. In addition, the form defined by this class, allows panels to be created, edited, repopulated, deleted, shared, opened, and copied.
MultiltemEditor	bqi-iCareControlLibrary1.dll	This is a grid editing control that allows display and editing of multicolumn subrecord data within a single data entry form.

Class Name	Assembly	Description
NotificationProcess	bqi-iCare.exe	The NotificationProcess class is a custom user control used to implement Reminders Notification, PatientBatchProcessing uses to method to control groupbox updates.
PatientBatchProcessing	bqi-iCare.exe	The PatientBatchProcessing class is a custom user control used to implement the Definition Details Reminder Notification, Notification Process functionality for processing a notification sent to a user through iCare.
PnlDocument	bqi-iCare.exe	The PnlDocument class is the primary panel object for the RPMS panel file.
PnlFilters	bqi-iCare.exe	The PnlFilters class is the object used to contain the filters associated with a panel definition.
PnlLayout	bqi-iCare.exe	The PnlLayout class is the object used to contain a layout associated with the panel or the user preference default template layout.
PnlParams	bqi-iCare.exe	The PnlParams class is the object used to contain the parameters associated with a panel definition.
PtDocument	bqi-iCare.exe	The PtDocument class is the primary patient object based on the RPMS patient file.
TabFormattedTextBox	bqi-iCareControlLibrary1.dll	The TabFormattedTextBox class to override default behavior for UltraFormattedTextEditor.
ToastHelper	bqi-iCare.exe	The ToastHelper class describes the arguments used for the event arguments when the user opens the Notifications form from the Notification window.
ToolSeparatorDrawFilter	bqi-iCare.exe	This ToolSeparateDrawFilter class provides a mechanism for changing properties on Begin new group on menu.
UltraColorPickerPlus	bqi-iCare.exe	The UltraColorPickerPlus class is a copy of Infragistics Color Picker modified to allow disabling of color selection tabs.
UltraGridToolBar	bqi-ultraGridToolBar.dll	The ultraGridToolBar class is a toolbar control that provides printing, exporting, copy, and search for a bound UltraGrid™ (Infragistics control).
UltraGridUtilities	bqi-ultraGridToolBar.dll	The ultraGridUtilities class is a grouping of methods by ultraGridToolBar.

14.0 Accessibility Checklist

14.1 Indian Health Service (IHS) Section 508 36 CFR Part §1194.21 Software Applications and Operating Systems Checklist

Software Application and Version: IHS iCare Version 2.5.0.5

Manufacturer/Contractor/Developer: General Dynamics IT

Tester: General Dynamics IT

Date: March 2016

- Fully Compliant (FC): All instances are Fully Compliant
- Non-Compliant (NC): All instances are Non-Compliant
- Partially Compliant (PC): Requires further explanation
- Not Applicable (N/A): Standard is not applicable to this application

Compliance is defined as meeting the requirement set forth in the Section 508 Technical Standards 36 CFR Part 1194, <https://www.access-board.gov/guidelines-and-standards/communications-and-it/about-the-section-508-standards/guide-to-the-section-508-standards/software-applications-and-operating-systems-1194-21>.

Table 14-1: ID number and an explanation for any PC or NC results.

ID	36 CFR Part 1194.21: Software Applications and Operating Systems Standards & Checklist Test Question	FC	PC	NC	N/A
1	(a) When software is designed to run on a system that has a keyboard, product functions shall be executable from a keyboard where the function itself or the result of performing a function can be discerned textually. Can you navigate and use all aspects of the application using only the keyboard?	FC-w/ minor			

ID	36 CFR Part 1194.21: Software Applications and Operating Systems Standards & Checklist Test Question	FC	PC	NC	N/A
2	(b) Applications shall not disrupt or disable activated features of other products that are identified as accessibility features, where those features are developed and documented according to industry standards. Applications also shall not disrupt or disable activated features of any operating system that are identified as accessibility features where the application programming interface for those accessibility features has been documented by the manufacturer of the operating system and is available to the product developer. Are all of the accessibility options that were previously set still available?	FC			
3	(c) A well-defined on-screen indication of the current focus shall be provided that moves among interactive interface elements as the input focus changes. The focus shall be programmatically exposed so that Assistive Technology can track focus and focus changes. Is the focus well defined?	FC			
	Is there no evident change in on-screen focus as you navigate through one or more components of an application?	FC			
4	(d) Sufficient information about a user interface element including the identity, operation and state of the element shall be available to Assistive Technology. When an image represents a program element, the information conveyed by the image must also be available in text. Can the screen reader distinguish and read all controls to the user, such as prompts for edit fields, text, radio buttons, checkboxes, menus, and toolbars?		PC –Testing is Pending with Assistive Technology Products		
5	(e) When bitmap images are used to identify controls, status indicators, or other programmatic elements, the meaning assigned to those images shall be consistent throughout an application's performance. Do individual icons used to identify controls, status indicators, or other programmatic elements mean the same thing throughout the application?	FC			

ID	36 CFR Part 1194.21: Software Applications and Operating Systems Standards & Checklist Test Question	FC	PC	NC	N/A
6	(f) Textual information shall be provided through operating system functions for displaying text. The minimum information that shall be made available is text content, text input caret location, and text attributes. Is all text presented in the application readable by assistive technologies?	FC—Testing is Pending with Assistive Technology Products			
7	(g) Applications shall not override user selected contrast and color selections and other individual display attributes. Does the software not override user-selected contrast and color selections and other individual display attributes or settings?	FC			
8	(h) When animation is displayed, the information shall be displayable in at least one non-animated presentation mode at the option of the user. If animated objects exist, does the information conveyed by the animated object exist in another mode, i.e., captions?	FC			
9	(i) Color coding shall not be used as the only means of conveying information, indicating an action, prompting a response, or distinguishing a visual element. If color is the sole means used to prompt a response, indicate an action, distinguish a visual element, or convey information, is the information displayed in another mode? For example: If the color red indicates negative numbers, are those numbers also represented with a negative sign (-)?	FC			
10	(j) When a product permits a user to adjust color and contrast settings, a variety of color selections capable of producing a range of contrast levels shall be provided. If users can adjust color and contrast settings, are a variety of color and contrast settings available to choose from?				N/A
11	(k) Software shall not use flashing or blinking text, objects, or other elements having a flash or blink frequency greater than 2 Hz and lower than 55 Hz. If any flashing or blinking objects or text occurs in the application, are the frequencies less than 2 Hz and greater than 55Hz?	FC			

ID	36 CFR Part 1194.21: Software Applications and Operating Systems Standards & Checklist Test Question	FC	PC	NC	N/A
12	(l) When electronic forms are used, the form shall allow people using Assistive Technology to access the information, field elements, and functionality required for completion and submission of the form, including all directions and cues. Can you navigate and follow links and forms with the keyboard?	FC–Pending			
	Can the electronic forms be used with assistive technologies?		PC –Testing is Pending with Assistive Technology Products		
	Can a screen reading program read all prompts, directions, explanations, or instructions on the form and understand the purpose of each field?		PC –Testing is Pending with Assistive Technology Products		
13	Documentation Are all manuals and documentation provided in electronic format, as well as text files, including text descriptions of any charts, graphs, pictures, or graphics of any nature?	FC–Pending			

Table 14-2: Explanation of results

ID	Explanation
1	Currently all functionality in the application is accessible via keyboard except for changing sort order and applying list filters to DataGrid lists. Staff is working with the vendor of the DataGrid to find a way to make this functionality available by keyboard only, but changing sort order and applying list filters to DataGrid lists is not considered a critical functionality. The most important data lists have user customizable column order and sort screens that are accessible via the keyboard-only usage.
4	Testing with screen reading assistive technology software is pending. It is anticipated that the application will need some modification to work effectively with screen reading software; however, all components used in development claim to meet Section 508 compliance measures and each control makes accessibility-related properties available to help the screen reader software. Therefore the application will be able to meet compliance, but may need adjustments with respect to accessibility properties.
6	See comment on ID #4. One challenge for the iCare application is that by its very nature it involves working with long lists of patients, laboratory results, GPRA data, etc. which may be challenging to convey in a practical way via screen reading software, but the current design seems to be as appropriate as any for handling long lists.
10	iCare uses Windows® system or theme colors for all controls in the application, and does not offer any functionality within iCare itself to modify the colors, etc.
12	Testing is pending. See comment ID #4 and #6.

ID	Explanation
13	All documentation is being prepared using IHS form templates and documentation standards and guidelines.

Application results:

Fully Compliant __ Partially Compliant __ Noncompliant __ N/A __

Additional Comments:

This initial review is based on application status prior to alpha and beta testing. Testing related to Section 508 compliance will continue and improvements will continue to be made prior to national release and potentially thereafter.

Glossary

Care Management Event Tracking (CMET)

New functionality created in the BTPW namespace to implement event tracking for specific events from identification through patient notification. iCare is the first interface to use the CMET functionality.

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 assign access roles to other users.

Case Manager(s) (CM)

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.

Centers for Disease Control and Prevention (CDC)

An agency within the Department of Health and Human Services (HHS).

Centers for Medicare & Medicaid Services (CMS)

An agency within the HHS.

Electronic Health Record (EHR)

An application used by medical organizations to track patient medical records and care.

Health Resources and Services Administration

An agency within HHS.

ICD Codes

One of several code sets used by the healthcare industry to standardize data. The International Classification of Disease (ICD) codes are 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 health care providers. IHS currently uses ICD-9 for coding.

Improving Patient Care (IPC)

The Improving Patient Care program's aim is to change and improve the Indian Health system. IPC will develop high performing and innovative healthcare teams to improve the quality of and access to care. The IPC results will be a medical home that sets new standards for healthcare delivery and further advances the health and wellness of the American Indian and Alaska Native people. iCare is a tool used by the IPC healthcare teams to evaluate the quality of care and identify areas for improvement.

Meaningful Use (MU)

Meaningful Use (MU) is a term used by CMS to ensure that providers and hospitals that have adopted certified EHR are using the technology to further the goals of information exchange among health care professionals. Eligible Providers (EPs) and Eligible Hospitals (EHs) will achieve meaningful use if the EP or EH : (a) demonstrate use of certified EHR technology in a meaningful manner, (b) demonstrate the certified EHR technology provides for electronic exchange of health information to improve quality of care, and (c) use certified EHR technology to submit information on clinical quality and other measures.

Office of Information Technology (OIT)

The organization within IHS that is responsible for developing and maintaining RPMS and related IT functions.

PCC form

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

PCC+

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

Purpose of Visit (POV)

In RPMS, ICD codes and narrative describing the patient's purpose of visit (POV) are documented in PCC V POV.

Resource and Patient Management System (RPMS)

A series of integrated software components that includes clinical, administrative, and financial functions.

RPMS Patient Care Component (PCC)

Refers to functions within RPMS as a clinical data repository, storing visit-related data about a patient.

Software Quality Assurance (SQA)

The office within OIT responsible for ensuring that the system conforms to RPMS Programming Standards and Conventions (SAC).

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.

Text Integration Utility (TIU)

Refers to functions within RPMS used to store long blocks of text in the medical record.

Visual Studio®

Microsoft® software development tool and integrated development environment (IDE) used to develop the iCare client application.

Acronym List

Acronym	Term Meaning
API	Application Programmer Interface
BMI	Body Mass Index
BQI	Namespace for iCare files and routines
CDC	Centers for Disease Control and Prevention
CM	Case Manager(s)
CMET	Care Management Event Tracking
CMS	Center Medicaid and Medicare Services, an agency within IHS
COTS	Commercial off the Shelf, refers to commercially available software applications
CPT	Current Procedural Terminology
CVD	Cardiovascular Disease
CVD MS	Cardiovascular Disease Management System
DOB	Date of Birth
DSM	Digital Standard Mumps
DT	Current Date
DX	Diagnosis
ED	Education
EHR	Electronic Health Record
FC	Fully Compliant
GOTS	Government off the Shelf, refers to existing Government-owned and developed software applications
GPRA	Government Performance and Results Act
GUI	Graphical User Interface
HMS	HIV Management System
HRN	Health Record Number within RPMS
HRSA	Health Resource and Services Administrator
HTML	HyperText Markup Language
ICD	International Classification of Diseases
IDE	Integrated development environment
IHS	Indian Health Service
IPC	Improving Patient Care programs
I/T/U	Abbreviation referring to all IHS direct, Tribal, and urban facilities. Using the abbreviation I/T/U generally refers to all components of the Indian healthcare system.

Acronym	Term Meaning
ITSC	Information Technology Support Center currently referred to as Office of Information Technology (OIT)
KIDS	Kernel Installation and Distribution System
MRU	Most Recently Used
MDI	Multiple Document Interface
MS	Microsoft®
MU	Meaningful Use
N/A	Not Applicable
NC	Non-Compliant
OIT	Office of Information and Technology
OS	Operating System
PC	Partially Compliant
PCC	RPMS Patient Care Component
PDF	Portable Document Format
PEP	Published Entry Points
POV	Purpose of Visit
RCIS	RPMS Referred Care Information System
REM	Reminder
RPC	Remote Procedure Call
RPMS	Resource and Patient Management System
SAC	Standards and Conventions
SQA	Software Quality Assurance
SRD	Software Requirements Document
TIU	Text Integration Utility
V-file	Visit File
UI	User Interface
VA	Department of Veterans Affairs
VMS	Virtual Memory System
XML	Extensible Markup Language

Contact Information

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

Phone: (888) 830-7280 (toll free)

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