RESOURCE AND PATIENT MANAGEMENT SYSTEM

# iCare Population Management GUI

# (BQI)

## Technical Manual

Version 2.6
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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 identify high-risk patients, proactively track care reminders and the health status of individuals or populations, provide appropriate care by embedding evidence-based guidelines, and report 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 (TM) 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 2.5 | BQI*2.5*2 | iCARE Version 2.5 Patch 2 |
| CRS (BGP) | v17.0 | Clinical Reporting System v17.0 |
| DIABETES MANAGEMENT SYSTEM (BDM) | BDM*2.0*10 | DM Audit 2017 |

## 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 | v5.3 through Patch 1019 |
| IHS Clinical Reporting (BGP) | v17.0 | v17.0 |
| 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 17 | v5.1 through Patch 18 |
| HIV Management System (BKM) | v2.2 | v2.2 |
| IHS Asthma Register (BAT) | v1.0 Patch 1 | |

| Module | Minimum Version | Recommended Version |
|---|---|---|
| IHS PCC Suite (BJPC) | v2.0 Patch 18 | v2.0 Patch 19 |
| Referred Care Info System (BMC) | v4.0 Patch 10 | v4.0 Patch 11 |
| Patient Registration (AG) | v7.2 Patch 4 | |
| Immunization (BI) | v8.5 Patch 12 | v8.5 Patch 13 |
| EHR | v1.1 Patch 22 | |
| iCare Management System (BQI) | v2.5 Patch 2 | |
| IHS User Security Audit (BUSA) | v1.0 | |
| IHS MU Performance Reports (APCM) | v1.0 Patch 8 | |
| IHS ICD/CPT Lookup & Grouper (AICD) | v4.0 Patch 1 | |
| Text Integration Utilities (TIU) | v1.0 Patch 1017 | |
| Clinical Reminders (PXRM) | v2.0 Patch 1007 | |
| Diabetes Management System (BDM) | v2.0 Patch 10 | |

## 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. |
| 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. |
| BQIZDSPM | Allows specific users in iCare to update the Designated Primary Care Provider. |

# 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 ICARE MANAGEMENT SYSTEM 2.6

| Routine | Routine | Routine | Routine | Routine | Routine |
|---------|---------|---------|---------|---------|---------|
| BQI26POS | BQI26PRE | BQIBTX | BQIBTXA | BQIBTXB | BQIBTXC |
| BQIBTXD | BQIBTXE | BQIBTXF | BQIBTXG | BQIBTXH | BQICAEP2 |
| BQICAEXP | BQICASUI | BQICAUTL | BQICAVAL | BQICEADD | BQICMLST |
| BQICMUT1 | BQICMUT2 | BQICMUTL | BQICONPL | BQIDCAH | BQIDCAH1 |
| BQIDCAH3 | BQIDCAH4 | BQIDCAH5 | BQIDCAH6 | BQIDCAH7 | BQIGPPL |
| BQIGPRA5 | BQIIPPNL | BQILYDEF | BQIMTCRD | BQIMTCRT | BQINIGH1 |
| BQINIGH2 | BQINIGH3 | BQINIGHT | BQIPDSC1 | BQIPDSC2 | BQIPDSCF |
| BQIPDSCL | BQIPDSCM | BQIPLDFN | BQIPLLAY | BQIPLPU | BQIPLRT |
| BQIPLUSR | BQIPLVWP | BQIPTDMG | BQIPTHLP | BQIPTPOV | BQIREFPL |
| BQIRGDMA | BQIRGDMT | BQIRGHQC | BQIRGPD | BQIRGPG | BQIRGPL |
| BQIRLB | BQIRMDR2 | BQIRMIZ | BQISNOMS | BQISYTSK | BQITASK |
| BQITASK1 | BQITASK2 | BQITASK3 | BQITASK4 | BQITAXX5 | BQITAXXU |
| BQITD14 | BQITD15 | BQITD16 | BQITD17 | BQITD18 | BQITD19 |
| BQITD20 | BQITD28 | BQITDLAB | BQITRUPD | BQITRUT2 | BQITUTL |
| BQIUL2 | BQIUL4 | BQIULAY | BQIUSRC | BQIUTB | BQIUTB3 |
| BQIUTIL | BQIVFDEF | BQIVFTLK | BQIVFTRT | | |

## 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 |
|---------|-------------|
| BQI26POS | Post-install routine |
| BQI26PRE | Pre-install routine |
| BQIBTX | Taxonomy set-up routine |
| BQIBTXA | Taxonomy set-up routine |
| BQIBTXB | Taxonomy set-up routine |
| BQIBTXC | Taxonomy set-up routine |
| BQIBTXD | Taxonomy set-up routine |

| Routine | Description |
|---------|-------------|
| BQIBTXE | Taxonomy set-up routine |
| BQIBTXF | Taxonomy set-up routine |
| BQIBTXG | Taxonomy set-up routine |
| BQIBTXH | Taxonomy set-up routine |
| BQICAEP2 | Community Alerts Logic |
| BQICAEXP | Community Alerts Export |
| BQICASUI | Community Alerts Suicide |
| BQICAUTL | Utility program to prevent re-reporting of certain CDC NND alerts. |
| BQICAVAL | Community Alert Lab data for export |
| BQICEADD | Add Manual Event for CMET |
| BQICMLST | Gets a list of Care Mgmt entries |
| BQICMUT1 | Care Management utility routine |
| BQICMUT2 | Care Management utility routine |
| BQICMUTL | Care Management utility routine |
| BQICONPL | Consults by Panel routine |
| BQIDCAH | Ad hoc panel definition search program. |
| BQIDCAH1 | Continuation program for BQIDCAH. |
| BQIDCAH3 | Continuation program for BQIDCAH. |
| BQIDCAH4 | Continuation program for BQIDCAH. |
| BQIDCAH5 | Continuation program for BQIDCAH. |
| BQIDCAH6 | Continuation program for BQIDCAH. |
| BQIDCAH7 | Continuation program for BQIDCAH. |
| BQIGPPL | Natl Measures by Panel routine |
| BQIGPRA5 | Get CRS Aggregate by main, by division |
| BQIIPPNL | Panel Aggregate |
| BQILYDEF | Template default layouts routine |
| BQIMTCRD | Get Definition Details data routine |
| BQIMTCRT | Definition Details drop list routine |
| BQINIGH1 | Nightly Job routine |
| BQINIGH2 | Nightly Job routine |
| BQINIGH3 | Nightly Job routine |
| BQINIGHT | Nightly Job routine |
| BQIPDSC1 | Panel Description routine |
| BQIPDSC2 | Panel Description routine |
| BQIPDSCF | Panel Description utility |

| Routine | Description |
|---|---|
| BQIPDSCL | Panel Description utility |
| BQIPDSCM | Format Panel Generated Description |
| BQIPLDFN | List of DFNs for a panel |
| BQIPLLAY | Layouts routine |
| BQIPLPU | Panel Autopopulate Utility |
| BQIPLRT | Panel List Display |
| BQIPLUSR | User Preferences routine |
| BQIPLVWP | Get Patient Data by View |
| BQIPTDMG | Patient Demographics Update |
| BQIPTHLP | Patient columns Help Text |
| BQIPTPOV | Get POVs for a Patient |
| BQIREFPL | Get Referrals by Panel routine |
| BQIRGDMA | Set up Audit fields routine |
| BQIRGDMT | Diabetes Care Summary fields |
| BQIRGHQC | HMS QOC columns routine |
| BQIRGPD | Pediatric Care Mgmt fields |
| BQIRGPG | Prenatal routine |
| BQIRGPL | Get register data by panel |
| BQIRLB | Get Patient Labs |
| BQIRMDR2 | Reminders routine |
| BQIRMIZ | Reminders routine |
| BQISNOMS | SNOMED Utilities |
| BQISYTSK | Check system tasks |
| BQITASK | Weekly Job routine |
| BQITASK1 | Weekly Job routine |
| BQITASK2 | Weekly Job routine |
| BQITASK3 | Weekly Job routine |
| BQITASK4 | Update a diagnostic tag |
| BQITAXX5 | Get Taxonomy Items |
| BQITAXXU | Update Taxonomies for pointers |
| BQITD14 | ESRD DX Tag logic |
| BQITD15 | CKD Stage 5 DX Tag logic |
| BQITD16 | CKD Stage 4 DX Tag logic |
| BQITD17 | CKD Stage 3 DX Tag logic |
| BQITD18 | CKD Stage 2 DX Tag logic |
| BQITD19 | CKD Stage 1 DX Tag logic |

| Routine | Description |
|---------|-------------|
| BQITD20 | CKD NOS DX Tag logic |
| BQITD28 | Glaucoma DX Tag logic |
| BQITDLAB | Lab search routine |
| BQITRUPD | Updates file APCHSURV with BPP updates |
| BQITRUT2 | Lab search utility routine |
| BQITUTL | Diagnoses Category Utility Program |
| BQIUL2 | Miscellaneous Utilities |
| BQIUL4 | Miscellaneous Utilities |
| BQIULAY | Post-install Update Layout information |
| BQIUSRC | Post-install Update Source information |
| BQIUTB | Table utilities |
| BQIUTB3 | Table utilities |
| BQIUTB6 | Table utilities |
| BQIUTIL | Utility routine |
| BQIVFDEF | PCC V-file definition |
| BQIVFTLK | Vfile Table Lookup |
| BQIVFTRT | Trigger CMET Event |

## 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:
    - D0: 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:
    o 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 all the bundle criteria, and "NO" if patient had no data available or did not meet all 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 all the bundle criteria, and "NO" if patient had 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 all the bundle criteria, and "NO" if patient had no data available or did not meet all 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, the user internal entry number in the second, and name of the user who currently has the panel locked in the third piece

### 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 a "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 sub-delimited 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 sub-delimited 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 a "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 a "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 a "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 filed contains the definitions for the predefined panels, my patient's 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

### 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 |
| .14 | CMET FOLLOWUP TIPS | D0,0 | 14 | S |

| Field # | Field Name | Subscript | Piece | Type |
|---------|-----------|-----------|-------|------|
| .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 |
| 2.1 | IPC FLAG | D0,1,D1,2 | 1 | S |
| 2.2 | CATEGORY | D0,1,D1,2 | 2 | F |

| Field # | Field Name | Subscript | Piece | Type |
|---------|-----------|-----------|-------|------|
| 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 |
| 15 | FILTER DEFINITION (90505.115) | | | |
| .01 | FILTER NAME | D0,1,D1,15,D2,0 | 1 | F |

| Field # | Field Name | Subscript | Piece | Type |
|---------|-----------|-----------|-------|------|
| .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) | | | |
| .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 |

| Field # | Field Name | Subscript | Piece | Type |
|---------|------------|-----------|-------|------|
| .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) | | | |
| .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 |

| Field # | Field Name | Subscript | Piece | Type |
|---|---|---|---|---|
| .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 |
| .05 | COLUMN SIZE | D0,1,D1,30,D2,22,D3,0 | 5 | N |
| 23 | SOURCE VIEW (90505.323) | | | |

| Field # | Field Name | Subscript | Piece | Type |
|---|---|---|---|---|
| .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 |
| .05 | REMOVED BY | D0,1,D1,40,D2,0 | 5 | P |
| .06 | DATE/TIME REMOVED | D0,1,D1,40,D2,0 | 6 | D |

| Field # | Field Name | Subscript | Piece | Type |
|---|---|---|---|---|
| .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 |
| 3 | NOTIFICATION (90505.12) | | | |
| .01 | DATE/TIME OF NOTIFICATION | D0,3,D1,0 | 1 | D |

| Field # | Field Name | Subscript | Piece | Type |
|---------|------------|-----------|-------|------|
| .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) | | | |
| .01 | MULTIPLE VALUES | | 1 | F |
| .02 | MULTIPLE IEN | | 2 | F |

| Field # | Field Name | Subscript | Piece | Type |
|---------|------------|-----------|-------|------|
| 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 |
| 12 | MU USER PREFERENCES (90505.012) | | | |

| Field # | Field Name | Subscript | Piece | Type |
|---------|-----------|-----------|-------|------|
| .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 |
| 17 | CATEGORY/FOLDER (90505.017) | | | |
| .01 | NAME | | 1 | F |

| Field # | Field Name | Subscript | Piece | Type |
|---------|------------|-----------|-------|------|
| .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 |
| 5 | PARAMETER DESC FORMATTING (90506.04A) | D0,3,D1,5 | | |
| 4 | GENERATED DESCRIPTION | D0,4 | 1 | F |

| Field # | Field Name | Subscript | Piece | Type |
|---------|-----------|-----------|-------|------|
| 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 |
| 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 |

| Field # | Field Name | Subscript | Piece | Type |
|---------|------------|-----------|-------|------|
| 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 |
| 5 | CATEGORY (90506.55) |  |  |  |
| .01 | CATEGORY CODE | D0,5,D1,0 | 1 | F |
| .02 | CATEGORY NAME | D0,5,D1,0 | 2 | F |

| Field # | Field Name | Subscript | Piece | Type |
|---------|-----------|-----------|-------|------|
| 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 |
| .02 | CASE MANAGER FILE# | D0,0 | 2 | F |
| .03 | CASE MANAGER FIELD# | D0,0 | 3 | F |
| .04 | CASE MANAGER XREF | D0,0 | 4 | F |

| Field # | Field Name | Subscript | Piece | Type |
|---------|-----------|-----------|-------|------|
| .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 |
| 2 | DESCRIPTION (90507.152) | D0,15,D1,2, D2,0 | | W |
| 13 | TOOLTIP (90507.1513) | D0,15,D1,13,D2,0 | | W |
| 20 | REPORTS (90507.02) | | | |

| Field # | Field Name | Subscript | Piece | Type |
|---------|-----------|-----------|-------|------|
| .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,D1,10,D2,0 | 1 | F |
| .02 | TAXONOMY POINTER | D0,20,D1,10,D2,0 | 2 | V |
| .03 | IGNORE MISSING ENTRIES | D0,20,D1,10,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(90507.2,

Table 6-10: File: 90507.2 iCare Measurements Definitions

| Field # | Field Name | Subscript | Piece | Type |
|---------|-----------|-----------|-------|------|
| .01 | MEASUREMENT | D0,0 | 1 | F |
| .02 | CODE | D0,0 | 2 | F |
| .03 | POINTER | D0,0 | 3 | P |
| .04 | TYPE | D0,0 | 4 | S |
| .05 | PARENT | D0,0 | 5 | P |
| 1.01 | # OF BOXES | D0,1 | 1 | N |
| 1.02 | BOX 1 MIN | D0,1 | 2 | N |
| 1.03 | BOX 1 MAX | D0,1 | 3 | N |
| 1.04 | BOX 2 MIN | D0,1 | 4 | N |
| 1.05 | BOX 2 MAX | D0,1 | 5 | N |
| 1.06 | BOX 3 MIN | D0,1 | 6 | N |

| Field # | Field Name | Subscript | Piece | Type |
|---------|------------|-----------|-------|------|
| 1.07 | BOX 3 MAX | D0,1 | 7 | N |
| 1.08 | BOX 4 MIN | D0,1 | 8 | N |
| 1.09 | BOX 4 MAX | D0,1 | 9 | N |
| 1.1 | BOX 5 MIN | D0,1 | 10 | N |
| 1.11 | BOX 5 MAX | D0,1 | 11 | N |
| 1.12 | BOX 6 MIN | D0,1 | 12 | N |
| 1.13 | BOX 6 MAX | D0,1 | 13 | N |
| 1.14 | BOX 7 MIN | D0,1 | 14 | N |
| 1.15 | BOX 7 MAX | D0,1 | 15 | N |
| 1.16 | BOX 8 MIN | D0,1 | 16 | N |
| 1.17 | BOX 8 MAX | D0,1 | 17 | N |
| 1.18 | # OF DECIMALS ALLOWED | D0,1 | 18 | N |
| 2.01 | SET OF CODES VALUES | D0,2 | 1 | F |

### Global: ^BQI(90508,

Table 6-11: 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 |
| .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 |

| Field # | Field Name | Subscript | Piece | Type |
|---------|------------|-----------|-------|------|
| .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 |
| 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 |

| Field # | Field Name | Subscript | Piece | Type |
|---------|------------|-----------|-------|------|
| 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 |
| 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 |

| Field # | Field Name | Subscript | Piece | Type |
|---------|------------|-----------|-------|------|
| 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 |
| 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 |

| Field # | Field Name | Subscript | Piece | Type |
|---|---|---|---|---|
| .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) | | | |
| .01 | SUMMARY INDICATOR | D0,20,D1,20,D2,0 | 1 | F |
| .02 | DEFAULT? | D0,20,D1,20,D2,0 | 2 | S |
| .03 | DISPLAY ORDER | D0,20,D1,20,D2,0 | 3 | N |
| .04 | N/A EXCEPTION | D0,20,D1,20,D2,0 | 4 | S |
| 1 | TOOLTIP (90508.21) | D0,20,D1,20,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 |

| Field # | Field Name | Subscript | Piece | Type |
|---|---|---|---|---|
| .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 |
| .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) | | | |

| Field # | Field Name | Subscript | Piece | Type |
|---------|-----------|-----------|-------|------|
| .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 |
| 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 6-12: Callable Routines

| Name | Tag | Routine |
|------|-----|---------|
| BQI ADD NEW EVENT | EN | BQICEADD |
| BQI GET GPRA COMM LIST | COML | BQIGPPRA5 |
| BQI GET MEASUREMENT DETAIL | MEASD | BQIUTB6 |
| BQI GET PATIENT HELP TEXT | EN | BQIPTHLP |
| BQI GET SNOMED SUBSET ITEMS | ITM | BQISNOMS |
| BQI GET SNOMED SUBSETS | LST | BQISNOMS |
| BQI PATIENT POVS | POV | BQIPTPOV |
| BQI VFILE TRIGGER EVENT | EN | BQIVFTRT |

## 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             BQIRMIZ
   UPDATE^BIPATUP      BQIRMIZ
   PTEDTAX^BKMIXX1     BQIRGHQC
   $$ACTMED^BKMQQCR4   BQIRGCOP
   API^BMCAPI1         BQIREFPL
   GETFCRS^BMXRPC3     BQITASK1
   ^BQI25PU            BQI25POS
   ^BQI25PU1           BQI25POS
   $$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
$$RDEF^BQIRMPL      BQIPLLAY
$$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^PXRM             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. It also allows the user 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:

1. File name and description

2. Identifiers

3. Cross-references

4. Files pointed to by the file specified

5. Files that point to the file specified

6. Input, print, and sort templates

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

1.  Field name, number, title, and description

2.  Global location

3.  "Help" prompt

4.  Cross-references

5.  Input transform

6.  Date last edited

7.  Notes

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

1.  All cross-references for the file selected

2.  Global location of each field in the file

3.  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.

| 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) (TM)Visual Studio (VS) (TM)2015 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 (TM). All the controls used were part of a package of controls named Infragistics NetAdvantage (TM) for Windows Forms 2016 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 2.2.2 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. |
| 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 (TM) 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 2016 Vol.2 | 16.2.20162.2040 | 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. |

## 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 | 2.6.0.8 | This is the main iCare executable used to launch and run the iCare application. |
| 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 generating 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. |
| 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. |

| Filename | Assembly Version | Description |
|---|---|---|
| Taxonomy_Maintenance.chm | | Compiled HTML file that contains the online help for Taxonomy Maintenance. |

Table 13-3 shows all the files that are part of a set of enhanced UI controls from Infragistics called NetAdvantage for Windows Forms Version 2016 Volume 2.

Table 13-3: Enhanced UI controls

| Filename | Assembly Version | Description |
|---|---|---|
| Infragistics4.Documents.Core.v15.2.dll | 16.2.20162.2040 | This file contains the Infragistics Document Engine that allows export of PDF and XML formats. |
| Infragistics4.Documents.Excel.v15.2.dll | 16.2.20162.2040 | 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 | 16.2.20162.2040 | This file contains the Infragistics Document Engine that allows export of PDF and XML formats. |
| Infragistics4.Shared.v15.2.dll | 16.2.20162.2040 | This file contains general functions and types common to all the Infragistics controls. |
| Infragistics4.Win.Misc.v15.2.dll | 16.2.20162.2040 | 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 | 16.2.20162.2040 | This dll file contains functionality to allow definition of functions and calculations with the Infragistics UltraGrid (TM) enhanced DataGrid class. |
| Infragistics4.Win.UltraWinChart.v15.2.dll | 16.2.20162.2040 | This dll file contains functionality used when charting patient measurements from PCC over time. |
| Infragistics4.Win.UltraWinDataSource.v15.2.dll | 16.2.20162.2040 | 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 | 16.2.20162.2040 | This dll file contains functionality to create manage docks that can be used with the Infragistics UltraGrid, etc. |
| Infragistics4.Win.UltraWinEditors.v15.2.dll | 16.2.20162.2040 | This dll file contains enhanced UI input controls such as the calendar date picker and special combo boxes. |
| Infragistics4.Win.UltraWinGauge.v15.2.dll | 16.2.20162.2040 | This dll file contains enhanced UI input control such as gauges. |
| Infragistics4.Win.UltraWinGrid.ExcelExport.v15.2.dll | 16.2.20162.2040 | This file contains the classes used to handle export of information from UltraGrid DataGrid to Excel format. |

| Filename | Assembly Version | Description |
|---|---|---|
| Infragistics4.Win.UltraWinGrid. v15.2.dll | 16.2.20162.2040 | 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.UltraWinListB ar.v15.2.dll | 16.2.20162.2040 | The UltraWinListBar is used to aid with navigation to forms. |
| Infragistics4.Win.UltraWinListV iew.v15.2.dll | 16.2.20162.2040 | The UltraWinListView is a user interface control to display lists of items. |
| Infragistics4.Win.UltraWinPrint PreviewDialog.v15.2.dll | 16.2.20162.2040 | 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.UltraWinSch edule.v15.2.dll | 16.2.20162.2040 | This file contains classes for scheduling controls for uses such as calendar, week views and month views, etc. |
| Infragistics4.Win.UltraWinStat usBar.v15.2.dll | 16.2.20162.2040 | The UltraWinStatusBar provides the enhanced status bar used at the bottom of form to provide status text and row counts. |
| Infragistics4.Win.UltraWinTab bedMdi.v15.2.dll | 16.2.20162.2040 | The classes within this file provide a way to present multiple forms within a tabbed interface style. |
| Infragistics4.Win.UltraWinTab Control.v15.2.dll | 16.2.20162.2040 | The UltraWinTabControl provides an enhanced tab UI interface used on forms to present multiple pages of data. |
| Infragistics4.Win.UltraWinTool bars.v15.2.dll | 16.2.20162.2040 | This file contains classes to handle the toolbars, menu and context menus (right-click) within Windows forms. |
| Infragistics4.Win.UltraWinTree .v15.2.dll | 16.2.20162.2040 | The UltraWinTree allows data presentation in a tree style layout where the user is able to drill down into categories of data. |
| Infragistics4.Win.v15.2.dll | 16.2.20162.2040 | 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 implementing 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 a 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. |
| DChartViewIPCProvAggByProv | bqi-iCare.exe | The DChartViewIPCProvAggByProv class provides the user the ability to graph IPC Provider Aggregated Measurement selected by provider data through iCare. |
| DChartViewNationalMeasures | 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. |
| DCMETAddEvent | bqi-iCare.exe | The DCMETAddEvent class allows the user with CMET Package Manager access to add a manual event to CMET. |

| Class Name | Assembly | Description |
|---|---|---|
| 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. |
| DCreateRegister | bqi-iCare.exe | The DCreateRegister class allows the user to create a register based on a panel 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. |
| DInputBox | bqi-iCare.exe | The DInputBox 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. |
| DInputBoxMultiline | bqi-iCare.exe | The DInputBoxMultiline class provides a generic user input form to allow multiline data entry. |
| DIpcExport | bqi-iCare.exe | The DIpcExport class provides a method for the user to select a month and the 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 a window for users to manage templates for panel view. Templates are now shareable across users. |

| Class Name | Assembly | Description |
|---|---|---|
| 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. |
| 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. |

| Class Name | Assembly | Description |
|---|---|---|
| DPnlAddRemove | bqi-iCare.exe | The DPnlAddRemove class provides a form to allow users to select or 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 patients selected 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. |
| DSiteParametersCMET | bqi-iCare.exe | The DSiteParametersCMET class allows the user with CMET Package Manager access to edit the CMET Site Parameters. |
| DSiteParametersDivision | bqi-iCare.exe | The DSiteParametersDivision class provides a way for users to set Division site parameters settings. |
| 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. |

| Class Name | Assembly | Description |
|---|---|---|
| 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 with 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. |
| 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. |

| Class Name | Assembly | Description |
|---|---|---|
| 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. |
| iCareUtilities | bqi-iCare.exe | The iCareUtiilities 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. |

| Class Name | Assembly | Description |
|---|---|---|
| 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. |
| MultiItemEditor | bqi-iCareControlLibrary1.dll | MultiItemEditor is a grid editing control that allows display and editing of multicolumn subrecord data within a single data entry form. |
| NotificationProcesss | bqi-iCare.exe | The NotificationProcess class is a custom user control used to implement Reminders Notification, PatientBatchProcessing uses to method to control groupbox updates. |

| Class Name | Assembly | Description |
|---|---|---|
| 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 is used 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 2.6.0.8

**Manufacturer/Contractor/Developer**:  General Dynamics IT

**Teste**r:      General Dynamics IT

**Date**:   July 2017

- 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 | (I) 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 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 in Table 14-2. 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. This work 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 IDs #4 and #6 in Table 14-2. |

| 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 Definition |
|---------|-----------------|
| **API** | Application Programmer Interface |
| **BMI** | Body Mass Index |
| **BQI** | Namespace for iCare files and routines |
| **CDC** | Centers for Disease Control and Prevention |
| **CFR** | Code of Federal Regulations |
| **CKD** | Chronic Kidney Disease |
| **CM** | Case Manager(s) |
| **CMET** | Care Management Event Tracking |
| **CMS** | Center Medicaid and Medicare Services, an agency within IHS |
| **CPT** | Current Procedural Terminology |
| **CRS** | Clinical Reporting System |
| **DM** | Diabetes Mellitus |
| **DOB** | Date of Birth |
| **DOD** | Date of Death |
| **DT** | Current Date |
| **DX** | Diagnosis |
| **EH** | Eligible Hospitals |
| **EHR** | Electronic Health Record |
| **EP** | Eligible Providers |
| **ESRD** | End Stage Renal Disease |
| **FC** | Fully Compliant |
| **GPRA** | Government Performance and Results Act |
| **GUI** | Graphical User Interface |
| **HHS** | Health and Human Services |
| **HIV** | Human Immunodeficiency Virus |
| **HMS** | HIV Management System |
| **HRN** | Health Record Number within RPMS |
| **HTML** | HyperText Markup Language |
| **ICD** | International Classification of Diseases |
| **IDE** | Integrated development environment |
| **IEN** | Internal Entry Number |
| **IHS** | Indian Health Service |
| **IPC** | Improving Patient Care programs |

| Acronym | Term Definition |
|---------|-----------------|
| 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. |
| KIDS | Kernel Installation and Distribution System |
| MDI | Multiple Document Interface |
| MRU | Most Recently Used |
| MS | Microsoft® |
| MU | Meaningful Use |
| N/A | Not Applicable |
| NC | Non-Compliant |
| NND | Nationally Notifiable Diseases |
| NOS | Not Otherwise Specified |
| 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 |
| QOC | Quality of Care |
| REM | Reminder |
| RPC | Remote Procedure Call |
| RPMS | Resource and Patient Management System |
| SAC | Standards and Conventions |
| SNOMED | Systematized Nomenclature of Medicine |
| SQA | Software Quality Assurance |
| TIU | Text Integration Utility |
| UI | User Interface |
| V-file | Visit File |
| VA | Department of Veterans Affairs |
| 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)

**Web:**    http://www.ihs.gov/helpdesk/

**Email:**  support@ihs.gov