

RPMS iCare (BQI v2.1)

A Population Management Tool

(Released: October 2010)

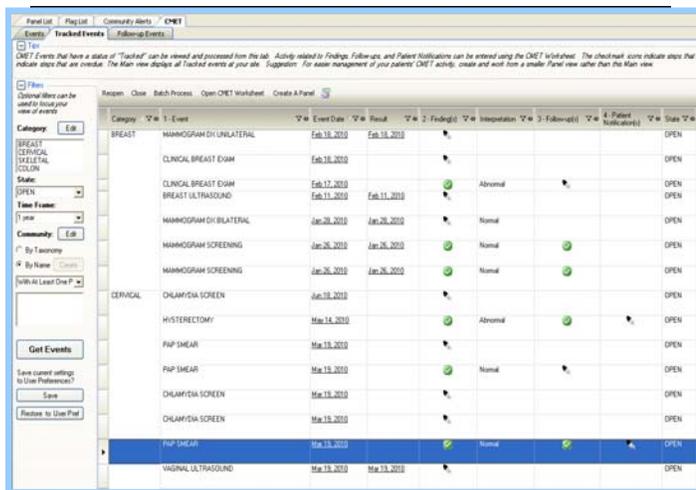
What Is iCare?

iCare is a Windows-based graphical user interface (GUI) component of the IHS Resource and Patient Management System (RPMS) software that presents diverse patient data in a user-friendly view. IHS created this population management tool in response to direct requests from end users to provide an easy-to-use tool with multiple uses to a wide variety of providers.

The iCare software provides this by retrieving patient information from the various underlying components of the RPMS database and bringing it together under a single interface. There are five main end user needs that inspired the development of iCare:

1. An intuitive and integrated view (interface) into the diverse patient data elements of the RPMS database
2. Proactive identification and management of different groups (populations) of patients who share user-defined characteristics
3. Facilitate provider review of clinical quality of care prevention and treatment measures for their own patients to identify trends in care and increase awareness of the services that patients need
4. Enable different views of traditional healthcare information from the perspectives of community, population and public health
5. Provide a highly visible location to manage key clinical events related to breast, cervical, colon, and skeletal health procedures.

iCare provides IHS users the ability to view patient data in a "population-centric" way. User-defined patient panels are easily created, sorted, filtered, and shared in a variety of ways to provide visibility and enhance the clinical experience.

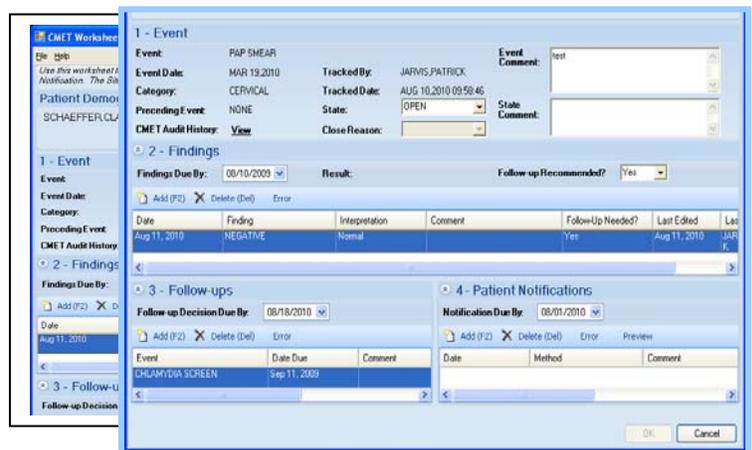


Key v2.1 Enhancements

- Care Management Event Tracking (CMET) allows providers to track certain clinical events their patients have had related to breast, cervical, colon and skeletal health procedures through to completion. CMET is an "electronic tickler file" that can be used to ensure appropriate review of results, recommendations for follow-up, and patient notification have all been accomplished in a timely manner. A CMET has 4 steps: Event; Findings; Follow-up and Patient Notification.
- Your site's database is mined routinely for occurrence of these pre-defined events and displays them on a queued list with a status of "pending". Users will decide which events they would like to "track". A CMET worksheet is provided for easy entry of data related to Findings, Follow-up and Patient Notifications

"Ticklers" will be activated on Tracked events in order to remind providers that their attention is required for a particular CMET step.

- Batch Processing is a feature of CMET that allows users to process multiple patients with normal results for Pap Smears and/or Screening Mammograms efficiently.
- CMET screens are currently accessible from iCare's main view, panel view, and patient record.
- A new user access role, CMET Package Manager, may set and modify CMET Site Parameters. In addition, users with iCare Editor access will be able to perform all add/edit/delete functions related to CMET.



Current Features

- Individual providers can easily create and manage patient lists (panels) using specific user-defined criteria. Any iCare user will be able to create a CMET-related panel by highlighting the desired names and clicking the "Create Panel" button.
- Community alerts provide users with de-identified visit data related to specific high-profile diagnoses that occurred within the past 30 days and could affect other patients in the community. These alerts currently are related to communicable diseases and suicidal behavior and are displayed in different contexts (panel, patient, all RPMS).
- Diagnostic tags of one or more clinical diagnoses are automatically proposed for patients with data that meet the national definitions (e.g. diabetes, asthma, etc.). These tags can then be either "accepted or "not accepted" by the provider.
- Aggregated views for both National Performance Measures and Reminders provide an overall trend analysis of a patient panel related to key clinical quality criteria.

User Feedback

The development approach to iCare is iterative; each phase depends on users of the system to provide the project team with feedback on desired enhancements or additional features. *Let us know your ideas:*

<http://www.ihs.gov/RPMS/index.cfm?module=feedback&option=add&newquery=1>

Server Requirements

RPMS Module	Minimum Version
VA FileMan (DI)	v22.0 Patch 1002
VA Kernel (XU)	v8.0 Patch 1015
BMX	v2.0
IHS/VA Utilities (XB)	v3.0 through patch 11
Patient Information Management System (PIMS)	v5.3 through Patch 1011
IHS Clinical Reporting (BGP)	v9.0 through Patch 1
PCC Data Entry (APCD)	V2.0 through Patch 10
PCC Health Summary (APCH)	V2.0 through Patch 17

RPMS Module	Minimum Version
Q-Man (AMQQ)	v2.0 through Patch 21
Taxonomy (ATX)	v5.1 through Patch 10
HIV Management System (BKM)	V2.0
IHS Asthma Register (BAT)	v1.0
IHS PCC Suite (BJPC)	V2.0 Patch 4
Referred Care Info System (BMC)	v4.0 Patch 5
Patient Registration	v7.1 through Patch 7
Immunization (BI)	v8.3

Client Requirements

Client PC	Minimum Version
Microsoft Windows (Any Windows OS that supports .NET 2.0 Framework)	Windows Vista, Windows XP SP2, Windows 2003 Server, Windows 2000 SP3+, Windows 7
Microsoft .NET Framework	V2.0
Suggested Client PC Hardware	Processor: Minimum: Pentium III 800MHz; Suggested: Pentium 4 2GHz+ Memory (RAM): Minimum: 1024MB; Strongly Recommended: 2048MB+
Approximate Disk Space Requirements	iCare Application Footprint ~18MB .NET 2.0 Framework ~ 100MB (if not already installed via Windows Updates)

