

# IRF-PAI IRVEN SYSTEM RELEASE NOTES (10/01/2008)

## VERSION 2.0

IRVEN now operates with Version 2.30 of the CMG.

The ICD-9 lookup database has been updated to reflect code in effect as of October 1, 2008.

Per direction from CMS, IRVEN has been enhanced to work with external screen readers (i.e., JAWS). This capability replaces the previous internal speech functionality, which used the Microsoft Speech API (SAPI).

The IRVEN source code was migrated from Visual Basic 6 to Visual Basic 2008. The primary reason for the migration was to take advantage of the accessibility attributes for screen objects (e.g., radio boxes, checklists) and provide more information for external screen readers.

The assessment data entry window no longer uses tabs to navigate between screens. Screens are now selected using a combo box labeled “Go To” at the top of the assessment window. In addition, four navigational buttons are now available at the top of the window: Previous, Next, Exit (Validate) and Exit (No Validate).

In assessment data entry, some of the read-only patient and facility variables are presented with different user interface control types (e.g., combo boxes instead of radio buttons). This was necessary to allow those variables to gain the focus on the screen; therefore, they can be spoken by an external screen reader.

For ICD-9 variables in assessment data entry, the ICD-9 button must be used to launch a pop-up window where the user may search and select a code from the list or enter a code manually. The ICD-9 text displayed on the assessment data entry screen is now read-only.

The “Enable improved 508 compatibility” checkbox on the login screen enables certain IRVEN features which benefit the visually impaired. The variables on the assessment data entry screens are displayed vertically so that external screen readers will read the fields correctly. Reports are sent directly to PDF files instead of displaying in a viewer window (the viewer window is not 508-compliant). Toolbars and graphics are not displayed, as they are not accessible via the keyboard. Additional status and error message boxes are displayed at appropriate times to keep the user informed of IRVEN activity.

Passwords are now case-sensitive. For new users, the default user ID is “IRF”

and the password is also “IRF”.

Search and filter functionality is now implemented using a tab control to switch between them. This functionality is present on the IRVEN Management screen, the Maintain Patient Database screen, and the View/Print Reports screen.

Assessment Data Entry and Event Tracking report selection screens are now implemented using a tab control to switch between them.

The user may view patient information quickly from the IRVEN Management screen by double-clicking on an entry in the Patient Info list.

For both the Maintain Patient Database and Maintain Employee Database screens, a View Details button is now available, which enables the user to view patient and employee information without entering an edit mode (i.e., the variables are read-only).

If “improved 508 compatibility” is not enabled, a splitter bar is available on screens containing both patient and assessment lists. This allows the user to resize them. For example, the patient list can be made smaller while the assessment list becomes larger.

On the Facility Information screen, a tab control has been implemented to switch between the facility and agent fields.

For fields where a directory path is required, users must use the associated Browse button to select a path with a standard dialog box. Manual entry is no longer available.

The Preferences option to switch between radio buttons and checkboxes (for variables where only one option can be selected from a set of several options) is no longer available.

For the Accessibility tab in Preferences, users can “enable improved 508 compatibility” by checking the checkbox. This checkbox serves the same function as the checkbox found on the Login screen. Users may also specify a font to be used in the data entry screens. The selected font is displayed in a box on the Accessibility tab.

## VERSION 1.7

IRVEN now operates with Version 2.20 of the CMG.

The ICD-9 lookup database within data entry has been updated to contain codes effective as of October 2007.

IRVEN has been enhanced for Section 508 compliance. It works with the Microsoft Speech API (SAPI) to speak the items on the screen as the user navigates among them. A checkbox on the IRVEN Login screen allows the user to turn on/off speech at startup. The user may also enable speech within IRVEN by using the checkbox located on the Other tab on the Preferences screen. NOTE: IRVEN does not speak text fields while typing them. It is recommended that the user tab to the next item, then Shift-Tab back in order to audibly confirm what was typed.

## VERSION 1.6

IRVEN now operates with Version 2.10 of the CMG.

The ICD-9 lookup database within data entry has been updated to contain codes effective as of October 2006.

## VERSION 1.5

IRVEN now operates with Version 2.02 of the CMG.

The CMG can now be calculated for assessments before the discharge date is entered. Note that these calculations will always use the version 2.02 grouper. After the discharge date is entered, IRVEN will continue to determine which grouper should be used for the CMG.

## VERSION 1.4

IRVEN now operates with Version 2.00 of the CMG.

The ICD-9 lookup database within data entry has been updated to contain codes effective as of October 2005.

## VERSION 1.3

IRVEN now operates with Version 1.22 of the CMG.

The ICD-9 lookup database within data entry has been updated to contain codes effective as of October 2004.

## VERSION 1.2

In data entry, the user was able to enter “0” for items 39Na and 39Oa. While the error checking prevented assessments from being completed with these values, the IRVEN dictionary has been updated so the user cannot enter a “0”.

If patient data was created as a result of importing an assessment, the marital status and zip code fields were not updated in the Patient Information table. This bug has been fixed.

For error checking assessments from the import screen, two checkbox options have been added: (1) Skip error checking of the header record, and (2) Ignore data in inactive fields. The second option is useful when error checking assessments from other IRF-PAI software, which may contain data in fields such as CNT\_FILLER or CMS\_OTHR1.

The enable/disable rules for items 33 and 34 (Tub and Shower Transfer) did not always work properly. Sometimes a new assessment would have two items disabled before data had been entered. This bug has been fixed.

Reports generated using the Print Reports button on the IRVEN Management screen may now only be exported to PDF. Exports to RTF and TXT formats did not work because the graphical checkboxes did not have a RTF or TXT display equivalent.

The Print Forms button will now function properly in Archive mode.

The ICD-9 lookup database has been updated with the most recent codes.

IRVEN now operates with Version 1.20 of the CMG.

## VERSION 1.1

Some facilities received a “data type mismatch in criteria expression” error in IRVEN. The query that caused this error has been revised.

Item 52FA can now be calculated to be zero without receiving the following error: “52F cannot be blank when 52AA is not 00 or blank.”

Item 46 is now active if Item 44A is 1-3 or 14.

If the user entered an E code for Items 24A-J, then IRVEN did not parse the code correctly and the user received an error. This has been corrected.

If an assessment was inactivated, the Correct Assessment button was not properly enabled (allowing the user to create a new assessment containing the data from the inactivated assessment) unless IRVEN was exited and re-entered. This has been fixed.

Some facilities reported that the CMG code was not consistently appearing in the export string. The code has been revised to fix this problem.

IRVEN has been updated to comply with version 1.01A of the IRF-PAI Data

## Specifications.

NOTE: The warning message for the relationship between the Admission Date and the Assessment Reference Date will only be available if Warning Messages have been enabled on the IRVEN Preferences screen – OR – if an error check is performed from the IRVEN Export screen.

Two new functions were added to the Administration menu – List Open Assessments and Reset Open Status. List Open Assessments displays the assessments that are currently open for data entry. Please note that if the user exits IRVEN Data Entry in an unexpected manner (i.e., machine freezes or reboots), then an assessment is still marked as open. The Reset Open Status function allows the administrator to reset the flag for the assessment to closed status.

## VERSION 1.0

The capability to print assessment data on the IRF-PAI forms has been added. Highlight the desired assessment on the IRVEN Management screen and click the Print Forms button. If Silent Printing has not been specified as a preference, then a printer dialog box will appear, enabling the user to choose a printer and specify which pages should be printed. If Silent Printing has been specified, then the entire assessment and all 3 pages of the IRF-PAI form will be printed.

The capability to print assessments from a file containing assessments in the IRF-PAI submission format has been added. The menu item for this feature has been enabled. Each assessment will be printed on the IRF-PAI forms.

The capability to specify non-Medicare primary payer sources has been added. Assessments with non-Medicare primary payer sources are not eligible for export; therefore, when these assessments are marked Completed by the user, their status will be shown as Completed (not Export Ready) on the IRVEN Management screen. In addition, assessments with Completed status will not appear in the list of assessments displayed on the IRVEN Export screen.

The control boxes (minimize, maximize and exit) have been removed from the upper right-hand corner of the IRVEN correction screen (the screen that enables the user to choose a modification or an inactivation).