

# RESIDENT ASSESSMENT VALIDATION AND ENTRY SYSTEM (JRAVEN) USER GUIDE

*In support of Software Version 1.4.0 (October 2016)*



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# INTRODUCTION

The Resident Assessment Validation and Entry System (jRAVEN) was developed by the Centers for Medicare & Medicaid Services (CMS). jRAVEN is a free Java based software application which provides an option for facilities to collect and maintain MDS Assessment data for subsequent submission to the appropriate state and/or national data repository. jRAVEN displays the MDS Item Sets similar to the paper version of the forms.

MDS data provides survey facilities with a means to objectively measure and compare facility performance and quality as well as support the development of improved standards. jRAVEN has the ability to import and export data in standard CMS record format as well as enforce data integrity via rigorous edit checks against the CMS Data Specifications. The jRAVEN software application provides a data dictionary, comprehensive online help and RUG calculations.

# INSTALLATION

## INSTALLERS ACCESS RIGHTS

To install jRAVEN the User must be logged into the PC as a Workstation Administrator.

Users of the application MUST have read/write access to the location where the database is installed.

## HARDWARE/SOFTWARE SPECIFICATIONS

The Minimum and Recommended System Requirements may be found on the QIES Technical Support Office home page: <https://www.qtso.com/index.php>

## SECURITY

Making information security one of your organizations core values ensures the prevention of unauthorized viewing of Personally Identifiable Information (PII) or Protected Health Information (PHI).

It is important that providers work with their Information Technology (IT) team or other resources to build a security-minded organizational culture which enforces strong authentication and access controls as well as limits physical access to devices (e.g., laptops, handhelds, desktops, servers, thumb drives, CDs, backups) containing PII or PHI data.

CMS recommends that providers encrypt the hard drive of any electronic device which has access to data containing PII or PHI, such as exported assessment records. Once assessments have been exported from the jRAVEN application the data will no longer be encrypted. It is also recommended that those electronic devices, which contain PII or PHI, be physically secured and locked (password protected) when not in use.

## WINDOWS SETTINGS

In order to ensure the reliable operation of the jRAVEN software application use of a supported Microsoft Windows operating system is imperative. The Font Size property must be set to "Small Fonts". This property can be found under the Settings tab of desktop properties: Start\Control Panel\Appearance and Personalization\Display\.

## SYSTEM CONFIGURATION/INSTALLATION TYPE

### STANDALONE

The Standalone installation is self-contained on one workstation.

### NETWORK CLIENT

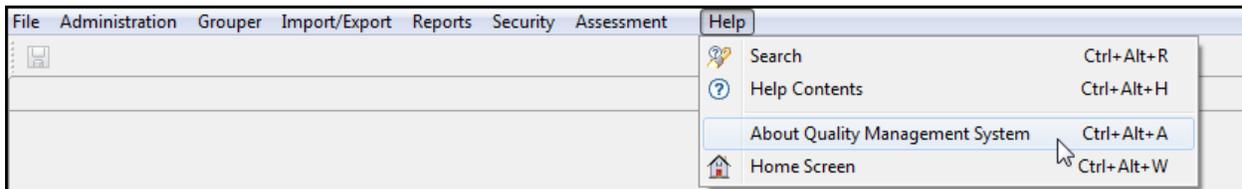
The Network Client/Server installation uses a server to support one or more individual workstations, all accessing one database by multiple computers and users.

- Servers hold the central database and must utilize the Server installation file first.
- Network Clients are placed on the users individual workstations which then access the database on the Server. The Network Client is installed after the Server installation has been successfully completed.

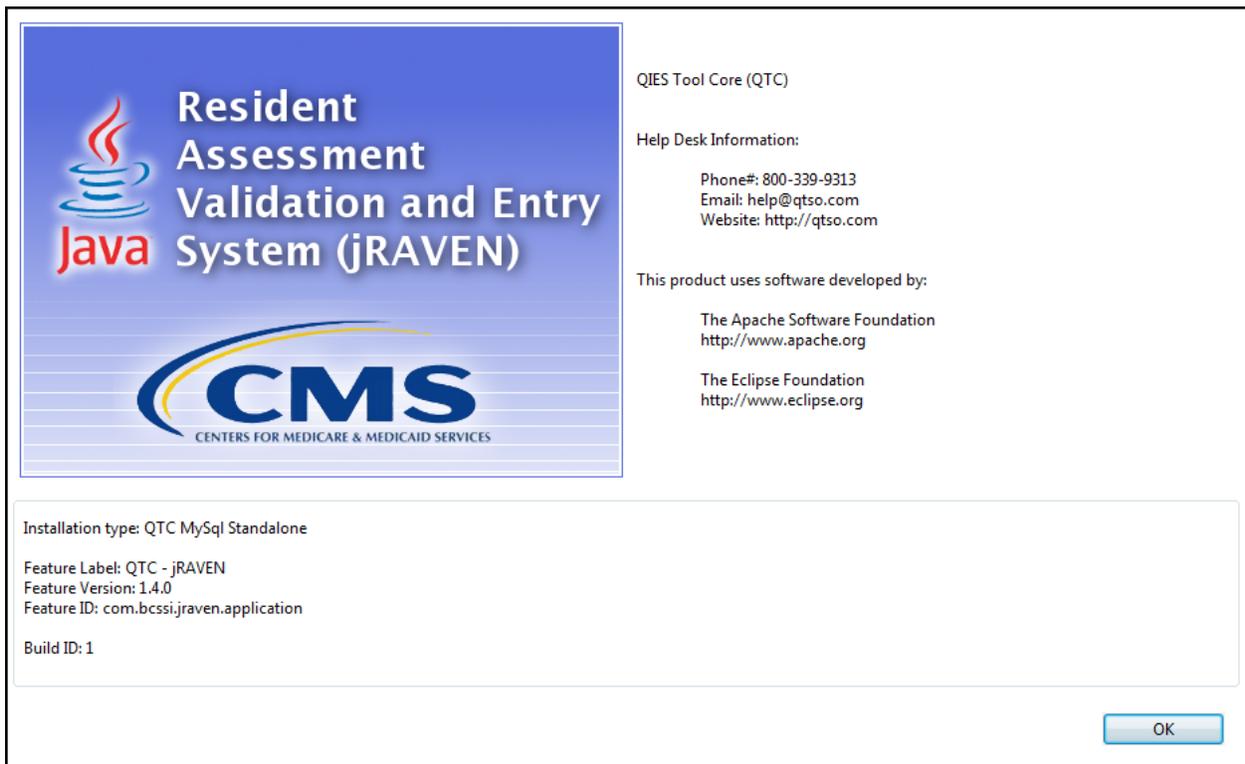
**Please refer to the jRAVEN Installation Guide for assistance installing and setting up the jRAVEN application.** The QIES Help Desk is available for technical support and assistance if needed and may be contacted by phone at 800-339-9313 or by email to [help@qtso.com](mailto:help@qtso.com).

## VERSION VERIFICATION

Information about the version of jRAVEN currently installed may be found by selecting 'About Quality Management System' from the Help drop-down on the Menu Bar.



The System Configuration/Installation Type, Feature Label and Feature Version are displayed in the lower left side of the screen.



When the jRAVEN application is accessed and the computer running jRAVEN has an internet connection, the application will compare the version currently installed with the version available on the QIES Technical Support Office (QTSO) website. If a new version of jRAVEN is available, a message will display directing the user to the QTSO website to download the latest version.

## GENERAL OVERVIEW

jRAVEN software provides the following functionality:

- Facility Setup/Maintenance
- User Setup/Maintenance
- Resident Setup/Maintenance
- Assessment Maintenance
- Import/Export
- Reporting

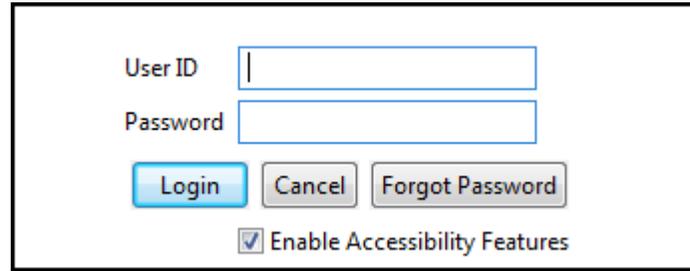
## ACCESS

Once jRAVEN has been installed, access the program using one of the following methods:

- Start Menu – Select the jRAVEN icon from the Start Menu
- Desktop – Double click the jRAVEN icon found on the desktop
- Directory – Navigate to the directory where jRAVEN is installed, double click the jRAVEN.exe

## ACCESSIBILITY

Selecting the 'Enable Accessibility Features' checkbox at the bottom of the login screen will turn on accessibility features for users requiring assistive technology (e.g. screen readers). The box will remain checked or unchecked until changed by the user.



The screenshot shows a login interface with the following elements:

- A text input field labeled "User ID" with a vertical cursor on the left.
- A text input field labeled "Password" below the User ID field.
- Three buttons: "Login" (highlighted in blue), "Cancel", and "Forgot Password" (disabled).
- A checkbox labeled "Enable Accessibility Features" which is checked.

## SCREEN LAYOUT

### TITLE BAR

- Displays the name of the software application: jRAVEN.

### MENU BAR

- Located just below the Title, the Menu Bar consists of drop-down lists which contain command selections dependent on user role and the screen that is currently active.
- Pressing the Alt key on the keyboard will place the cursor in the menu bar. Using the arrow keys on the keyboard, users can navigate through the selections on the menu bar. For example: On the Assessment Search screen, if the cursor is on the File menu item, pressing the right directional arrow will move the cursor to the next menu item. Pressing the up and/or down directional arrows will provide navigation through the drop-down menu list.

### TOOL BAR

- Located just below the Menu Bar, the Tool Bar contains screen specific buttons and icons to assist the user. Hover or "mouse over" the icons to display a description of the available functionality.

### SCREEN TABS

- Located just below the Tool Bar, Screen Tabs will display the open screens (e.g. Facility, Resident, User, and Assessment). An asterisk (\*) will display on the tab to the left of the tab title if there are screen changes which need to be saved.

## SCREEN AND COLUMN SIZE CONTROL

The various screens available are divided into distinct functional sections. Search and Summary sections may be collapsed by a single click of the arrow located next to the section title. Clicking on the arrow a second time will expand the section.

Columns and sections may be resized if needed by hovering over the line which separates the sections or column headers. The cursor will create an arrow. Click and drag the "left-right arrow" icon to the desired width.

## FIELD TYPES

### TEXT

Text fields allow data to be entered manually. Data entered must adhere to the rules of the MDS data specifications (length, use of special characters etc.). The following is an example of a text field.



First Name (A0500A) ?

### DATE

Date fields are formatted for the entry of a valid date (MM-DD-YYYY) where MM = 01-12, DD = 01-31, and YYYY = the four digit year. Some date fields allow other data to be entered, such as a (-) for 'not assessed/no information', these fields will be defined by the MDS data specifications. The following is an example of a date field.



Birthdate (A0900)\* ?

**Please Note:** When the 'Enable Accessibility Features' checkbox is checked on the jRAVEN Login Screen the calendar icon will NOT be displayed. When the 'Enable Accessibility Features' checkbox is unchecked on the jRAVEN Login Screen there will be a calendar icon next to each date field that the user may utilize instead of manually entering in a date.

### CHECKBOX

Checkboxes allow the selection of "yes" answers simply by clicking the box next to the appropriate value. Double clicking the check box will mark the response as 'not assessed' when this is a valid response according to the data specifications. Clicking the check box a third time will uncheck the box for a selection of "no". The following is an example of a checkbox.

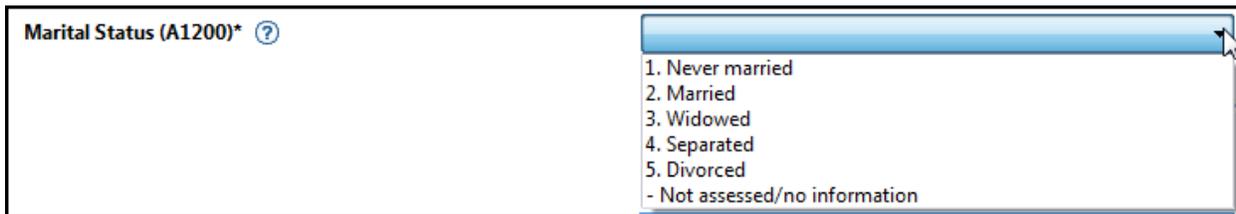


Race/Ethnicity (A1000)\* ?

- A. American Indian or Alaska Native
- B. Asian
- C. Black or African American
- D. Hispanic or Latino
- E. Native Hawaiian/Pacific Islander
- F. White

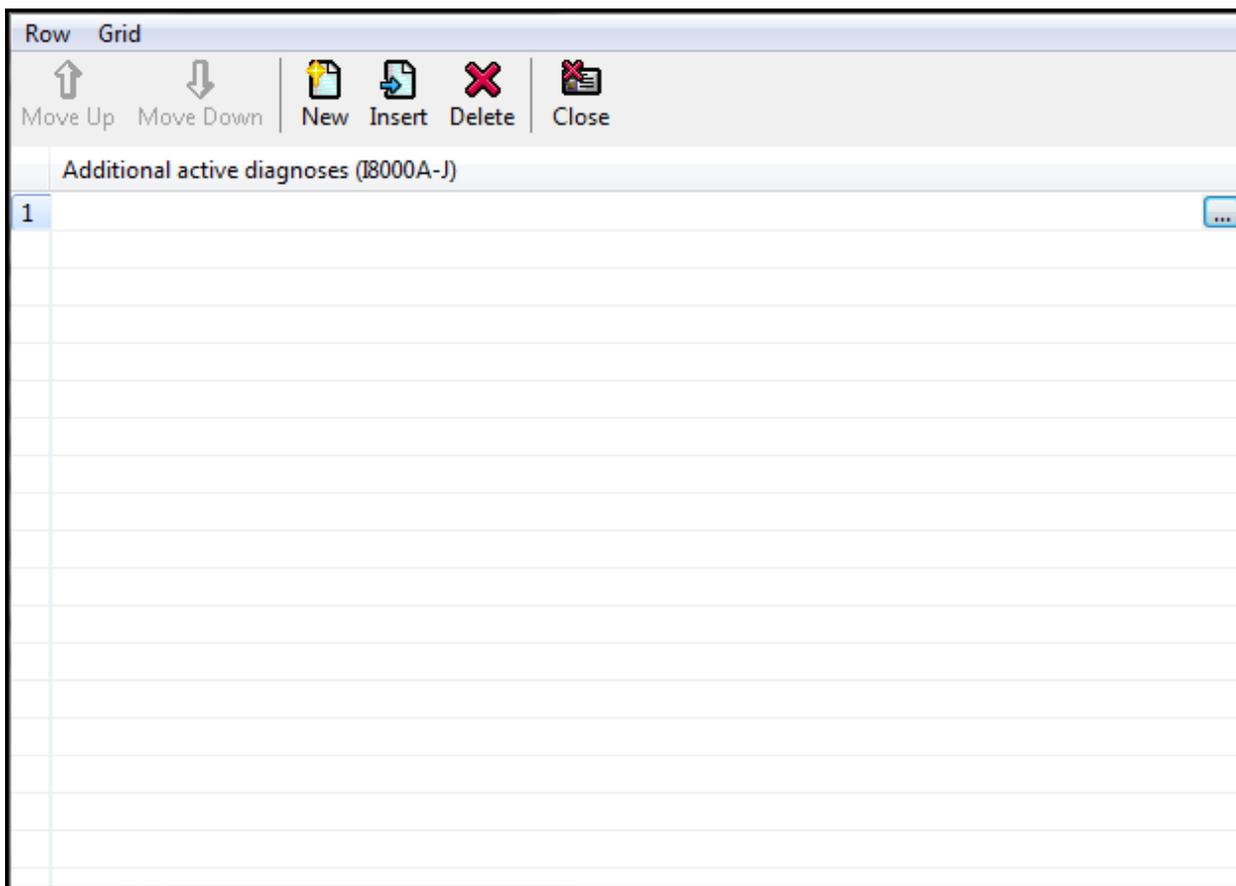
### DROP-DOWN LIST

Drop-down lists contain allowable answers to a specific field. To answer a drop-down question, tab to the field and use the arrow keys on the keyboard to navigate through the answer options. Once the appropriate answer is displayed, use the Tab key to move to the next question. A mouse may also be used to select an answer in a drop-down list. Click the arrow on the right side of the field to expand the list. Click the desired answer. Click the mouse on the next question. The 'Delete' key on the keyboard can be used to clear the field. The following is an example of a drop-down list.

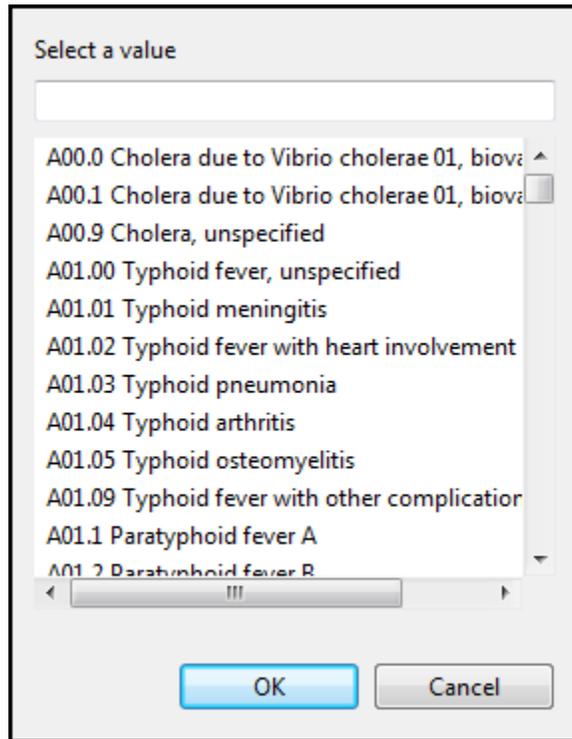


## GRID

Grid buttons are used for the selection of ICD codes. Clicking on the grid button  will open the ICD code display window. Please note this display window will be empty until ICD codes have been selected and added from the available listing. The box displaying three dots, on the right end of the first row may be used to display a list of codes available for selection.



Locate the desired ICD code from the provided listing by using the scroll bar on the right, or by entering the desired code manually. The user must click to select, or highlight, the desired ICD code from the list. Click 'OK' to display the choice in the ICD code display window. Use the 'New' icon to add rows for additional selections or the 'Delete' icon to remove previous selections if needed.



## EDITS

Data integrity edits are applied as information is entered into jRAVEN. These edits are unique messages put in place to assist users with the accurate completion of data entry. Some edits will present a pop-up message and must be addressed when displayed in order to proceed. Other edits may not appear until the assessment is saved and validated. The following types of edits may occur in jRAVEN:

### ERRORS

This type of edit lets the user know information is missing or invalid. It must be entered or corrected before the information will be saved.

### WARNINGS

This type of edit indicates there is information entered that should be verified as accurate, or serve as a reminder of how some fields should be populated.

### INFORMATIONAL

This type of edit gives the user general information about the assessment.

## DATA ENTRY TIPS

- For optimization of the skip patterns and/or edits, it is recommended that assessment data be entered in the order the questions appear on the screen.
- Enter data in each field and use the 'Tab' key on the keyboard to navigate from field to field. This allows skip patterns and edits to be appropriately applied and helps ensure all fields are addressed.
- Some fields require use of additional keys. For example, checkbox fields use the 'Tab' and 'Shift + Tab' keys to scroll through the available responses. Once the desired response is highlighted, pressing the spacebar will make the selection. Press the 'Tab' key to move to the next field and 'Shift + Tab' to go to the previous selection. The mouse may also be used to move to a field and make a selection.

## ORDER OF DATA ENTRY:

- Create a facility
- Create a user
- Create a resident
- Create an assessment
- Export the assessment

## LOGIN

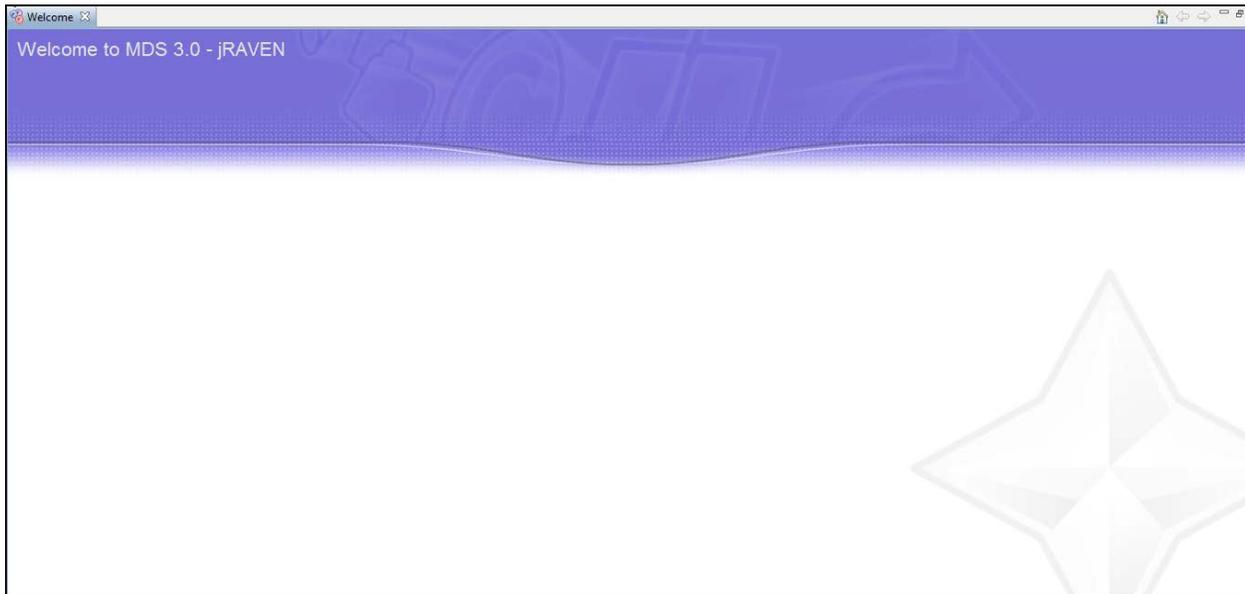
**Please Note:** The Default User account (jraven) cannot be used to create residents or assessments. For detailed instructions regarding the initial login please consult the jRAVEN Installation Guide.

Complete the following steps to login to jRAVEN:

1. Launch the jRAVEN application from the start menu, desktop or directory where installed.
2. The jRAVEN splash screen containing the CMS logo displays momentarily.



3. The 'Welcome to jRAVEN' screen will display while the program is loading. This may take a few minutes and requires no response from the user.



4. The 'Login' screen displays.

User ID

Password

Enable Accessibility Features

5. Enter the assigned User ID.

6. Enter the Password. When logging in for the first time enter your assigned User ID in both the 'User ID' and 'Password' fields; these are case sensitive.

7. Click 'Login'.

8. When logging in for the first time, the 'Change Password' screen displays as follows:

- The new password and the confirm new password must match.
- The new password must be at least 8 characters long.
- The new password must be no more than 20 characters long.
- The new password must not contain any space.
- The new password must not contain the User ID, First Name, Last Name, or Email.
- The new password must not begin with a number.
- The new password can only contain a maximum of 3 repetitive characters.
- The new password must contain at least one for each of the following type of characters:
  - Upper-case Character: A-Z
  - Lower-case Character: a-z
  - Number: 0-9
  - Special Character: &~`!-@#\$\$%^\*()\_+={}[]\|:;'"<>.,?/
- The new password must not match any of the user's most recent 6 passwords.
- The new password will be set to expire in 60 days.

The new password and the confirm new password must match.  
The new password must be at least 8 characters long.  
The new password must be no more than 20 characters long.  
The new password must not contain any space.  
The new password must not contain the User ID, First Name, Last Name, or Email.  
The new password must not begin with a number.  
The new password can only contain a maximum of 3 repetitive characters.  
The new password must contain at least one for each of the following type of characters:  
Upper-case Character: A-Z  
Lower-case Character: a-z  
Number: 0-9  
Special Character: &~!-@#\$\$%^\*()\_+={}|~;"'<>.,?/  
The new password must not match any of the user's most recent 6 passwords.  
The new password will be set to expire in 60 days.

New Password

Confirm New Password

9. Enter a new password in the 'New Password' and 'Confirm New Password' fields. The password is case sensitive and must match in both fields.
10. Select 'Continue' to complete the login process.

**Please Note:** Selecting 'Cancel' will display the following message: "You must change your password before accessing the system. If you do not change your password, you will be logged off the system." Clicking 'Cancel' on this pop-up will take the User back to the previous 'Change Password' pop-up. Clicking 'OK' takes the User to the login screen where they must re-enter the assigned User ID in both the 'User ID' and 'Password' fields.

11. The 'Security Questions' screen displays the following questions:

- What city were you born in?
- What year did you graduate from high school?
- What is your favorite sport?
- What was the make of your first car?
- What was the color of your first car?
- What is your mother's maiden name?
- What was the name of your first pet?
- What size shoe do you wear?
- What is your favorite season of the year?
- What is your favorite movie?

**To enable the OK button, a minimum of 6 answers are required.**

What city were you born in?

What year did you graduate from high school?

What is your favorite sport?

What was the make of your first car?

What was the color of your first car?

What is your mother's maiden name?

What was the name of your first pet?

What size shoe do you wear?

What is your favorite season of the year?

What is your favorite movie?

12. Complete the answers to a minimum of six (6) questions.

13. Tab to the bottom of the list to enable the 'OK' button.

14. Click 'OK' to continue to the 'Home' screen.

The following 'Welcome to jRAVEN' message will be displayed in front of the 'Home' screen only when 'Enable Accessibility Features' has been selected upon login.

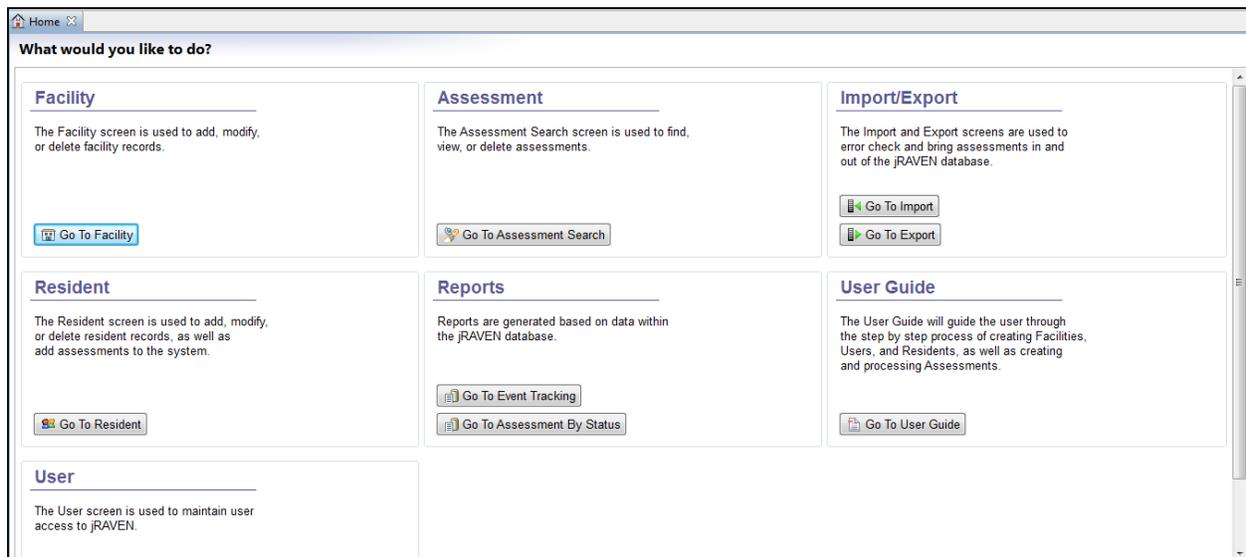
Welcome to jRAVEN.

This is the welcome message for jRAVEN. After closing this dialog box, press the ALT key to enable the drop down menu to perform jRAVEN administrative activities and assessment entry. Use CONTROL+Page Up and CONTROL+Page Down to switch between open screens. Press Alt+J to get additional information about that window.

Currently, the screen that is open is used to detail the various sections of jRAVEN. It consists of multiple sections, each with a button to take the user to the section described.

# HOME SCREEN

The options displayed on the 'Home' screen are dependent upon User Type. A System Administrator will have full access while a Data Entry User will have limited access. Please see the [User Setup and Maintenance](#) section for additional information regarding User Types. Below is an example of the System Administrator's 'Home' screen.

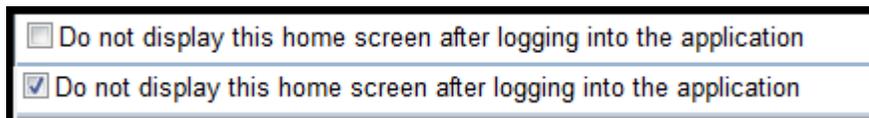


## HOME SCREEN DEFAULT

By default, the 'Home' screen will be displayed upon each login. The screen may be closed by selecting the white "X" on the tab titled 'Home'. This will close the 'Home' screen for the remainder of the user's session.

To reactivate the 'Home' screen once it has been closed, select 'Help' from the Menu Bar at the upper right followed by 'Home Screen' OR use the short-cut, Ctrl+Alt+W.

If the user does not wish to see the 'Home' screen upon each login the default setting may be turned off by placing a checkmark into the box at the lower left corner of the screen next to the following statement: "Do not display this home screen after logging into the application". Placing a checkmark into this box will only affect the user currently logged into the application. All other users will continue to see the 'Home' screen.



## FACILITY SETUP AND MAINTENANCE

The Default User must create at least one Facility before being permitted to add any further data to the jRAVEN application. Please consult the jRAVEN Installation Guide for detailed instructions regarding the initial login and setup by the Default User.

The 'Facility Information' screen allows users, dependent upon their User Type, to setup and modify facilities.

The 'Facility Information' screen displays in two sections:

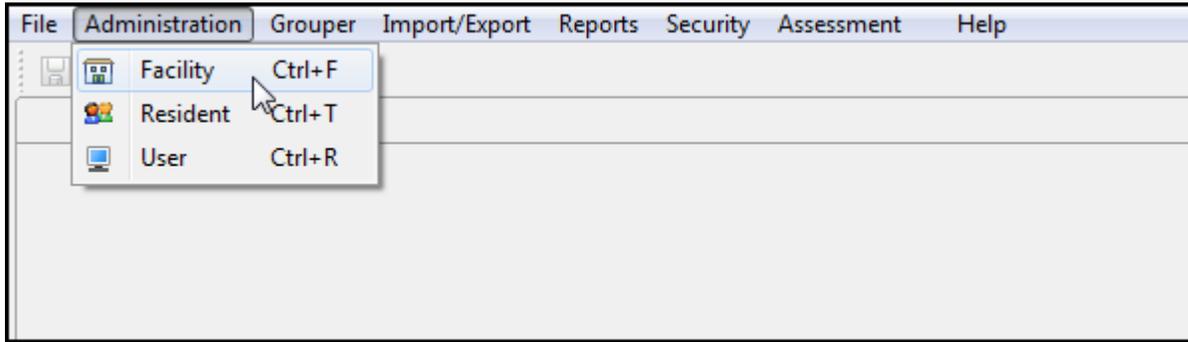
- Facility Summary (on the left)

- Facility Detail (on the right)
  - All facility data entry is done in this section.

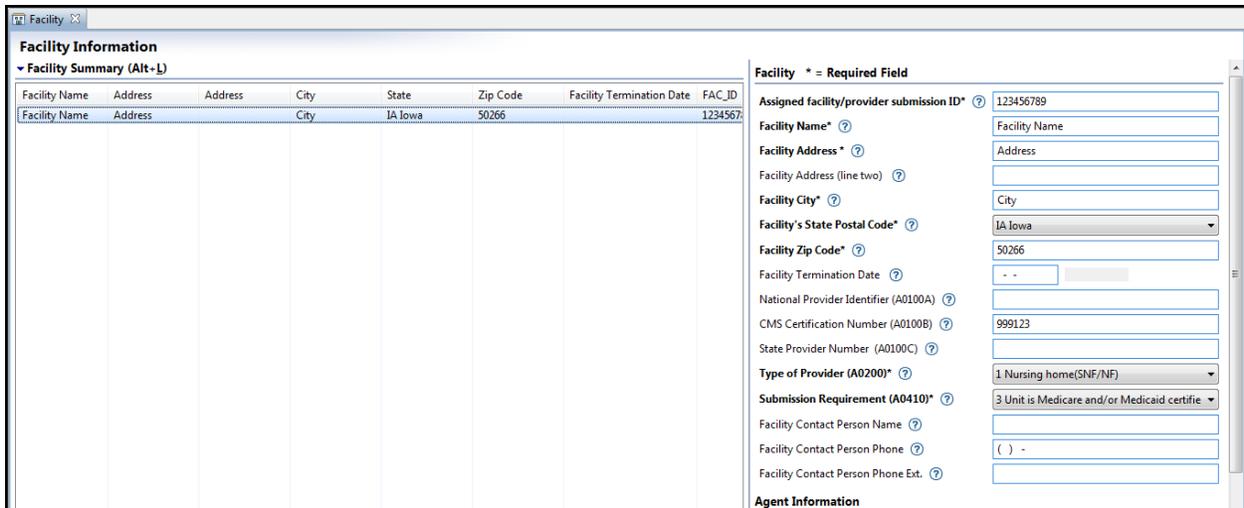
## ADD A FACILITY

Complete the following steps to create a new facility:

1. Select 'Facility' from the Administration drop-down on the Menu Bar or 'Go To Facility' from the 'Home' screen.



2. The 'Facility Information' screen displays.



3. Enter the appropriate facility information into the Facility Detail section. Required fields display on the screen in bold type with an asterisk.
4. After facility information has been entered, click the 'Save'  icon. Saved facility information will display in the Facility Summary section on the left side of the screen.
5. To add additional facilities, click the 'New'  icon, enter data and click the 'Save'  icon.

## MODIFY A FACILITY

Complete the following steps to modify an existing facility:

1. Locate and highlight the facility in the Facility Summary section.
2. Make the appropriate changes in the Facility Detail section on the right side of the screen.

3. Click the 'Save'  icon.

## DELETE A FACILITY

Complete the following steps to delete a facility:

1. Locate and highlight the facility in the Facility Summary section.
2. Click the 'Delete'  icon.
  - Only a System Administrator can delete a facility.
  - Deletions cannot be made if Users, Residents, or Assessments are currently associated to a facility.

## MDS 3.0 RUGS - GROUPER CONFIGURATION

The purpose of the Grouper Configuration screen is to control what parameters are passed to the RUG groupers for specific Section Z fields in applicable MDS 3.0 assessments. The parameters are unique to the currently selected facility. Each combination of parameters is stored as a grouper configuration record with begin & end dates for that specific set of parameters. The set of grouper configuration records must span the timeframe beginning October 1, 2010 and ending December 31, 2020.

For MDS 3.0 Medicare RUG calculations (stored in MDS 3.0 items Z0100 and Z0150), the RUG-IV grouper Logic Version 1.03 must be used with the number of groups (RUG Model) set to 66 and the Calculation Method set to index maximizing. These are the default settings. However, the user must specify a Case Mix Index (CMI) set for use with Medicare RUGs, in accordance with the designation (rural or urban) of the currently selected facility.

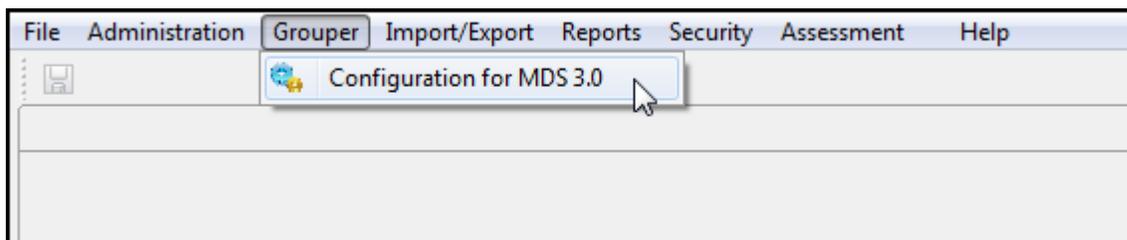
**NOTE:** The Case Mix Index Set field defaults to "E01 Medicare SNF PPS 66 Group Rural". Facilities will need to modify the setting as applicable.

For MDS 3.0 State RUG calculations, the user must identify which MDS 3.0 items (Z0200 and Z0250) are active for the state where the currently selected facility is located. The state should also provide guidance on which parameters to be selected. By default no configuration records are provided, therefore Z0200 and Z0250 will be blank for MDS 3.0 assessments until State RUG Options are configured.

For additional information on RUG-IV parameters and their meaning please read the RUG-IV DLL user documentation provided on the CMS MDS 3.0 Technical Information webpage.

## CONFIGURATION FOR MDS 3.0

To view or modify the Grouper Configuration for MDS 3.0 select 'Configuration for MDS 3.0' from the Grouper drop-down on the Menu Bar.



The Grouper configuration window displays and contains the following fields:

- Medicare RUG Options
- State/Medicaid RUG Options

- Facility
- RUG Version
- Logic Version
- RUG Model
- Calculation Method
- Date (Begin/End)
- Case Mix Index Set
- Rehab Type

**Group Configuration**

Medicare RUG Options

Facility: Facility - 132456789 (IA)

RUG Version: IV

Logic Version: 1.03

RUG Model: 66 Group

Calculation Method: Index Maximizing

Date: Begin Date: 10-01-2010, End Date: 09-30-2011

Case Mix Index Set: E01 - Medicare SNF PPS 66 Group Rural

Rehab Type: MCARE

Model	Calc Method	CMI Set	Begin Date	End Date	Version
66 Group	Index Maximizing	E01 - Medicare SNF PPS 66 Group Rural	10-01-2010	09-30-2011	IV
66 Group	Index Maximizing	E03 - Medicare SNF PPS 66 Group Rural	10-01-2011	09-30-2013	IV
66 Group	Index Maximizing	E03 - Medicare SNF PPS 66 Group Rural	10-01-2013	01-01-2099	IV

Update RUG Options Add Delete Edit CMI Sets Restore Defaults Validate

NOTE: Begin Date and End Date are Assessment Reference Dates.

**RUG Option:** The RUG options drop-down allows the user to switch between the grouper configuration options for Medicare RUGs (MDS 3.0 items Z0100 and Z0150) and State/Medicaid RUGs (MDS 3.0 items Z0200 and Z0250).

Choose one of the options to make the appropriate configuration settings selections. The screen will refresh to display the configuration records currently in effect for the RUG Option drop-down value selected.

**Facility:** The facility drop-down list reflects all facilities in the jRAVEN database. jRAVEN supports multiple facilities and each custom configuration is facility specific.

**RUG Version:** For Medicare RUG Options this value should always be IV; this is due to the fact that RUG-IV is required for the Z0100 and Z0150 calculations. State/Medicaid RUG Options are dependent upon the requirements set forth by the state where the currently-selected facility is located. Please contact your State RAI Coordinator for additional information if needed.

**Logic Version:** Currently only one logic version is available for each RUG version. The logic version is automatically populated, depending on the RUG version that is selected to 1.03.

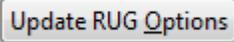
**RUG Model:** The RUG model drop-down list reflects all grouping models available for the currently selected RUG version. Please contact your State RAI Coordinator for additional information regarding which selections to make if needed.

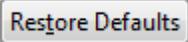
**Case Mix Index Set:** The case mix index set drop-down list reflects the CMI set used during RUG calculation. Default, as well as custom CMI sets, display according to the selected RUG model. For Medicare RUG Options, the user MUST set this value based on whether the currently selected facility is classified as rural or urban. Please contact your State RAI Coordinator for additional information regarding which selections to make if needed.

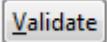
**Calculation Method:** The calculation method drop-down list reflects the selected method used for RUG calculations. The Centers for Medicare and Medicaid Services currently uses index maximizing.

**Date:** The date range selection allows users to determine sets of parameters to be used for specific target dates. For example, a target date of 10-15-2011 would use the parameters in the grouper configuration set that contains 10-15-2011 within its beginning and ending date range. Note Medicare RUG Options cannot have overlapping date ranges. For State/Medicaid RUG Options, overlapping date ranges are not allowed for records associated with a specific Z value.

**Rehab Type:** The rehab type drop-down reflects all rehabilitation type parameters available for use with the currently selected RUG Version. Please contact your State RAI Coordinator for additional information regarding which selections to make if needed.

The Update RUG Options  will update the information selected in these drop-down menus. When updating the default record set, an option set with an italicized font is shown in the table. The italicized font indicates it is not an added record, but rather an updated version of the default record. (A single record must always be present. If the default option set does not meet the user's needs, it must be updated with additional option sets as needed.)

The Restore Defaults button  will set the selected facility's grouper configuration to the default settings. Only the selected RUG option screen is affected. On the State/Medicaid RUG option screen, selecting the restore button will remove all grouper configurations for the selected facility.

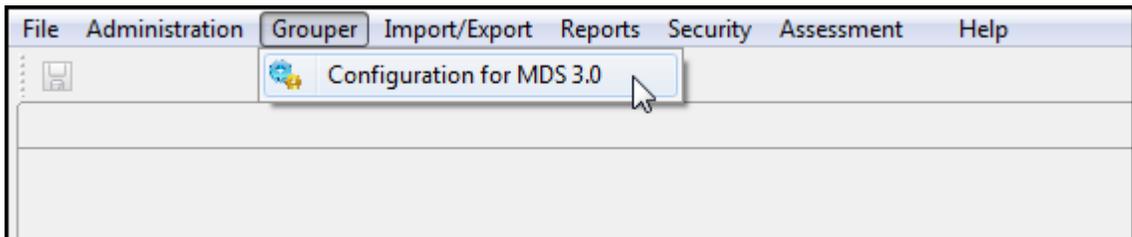
The Validate button  will analyze the date ranges of the option sets shown in the table. Any gaps will be reported. A good configuration is one that has all possible dates covered from 10-01-2010 onward to 12-31-2020 (always assign your last option set with an end date of 12-31-2020.)

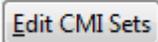
## ADD AN OPTION SET

When adding a new option set the new set being added cannot have a start or end date which overlaps existing option sets for the selected facility.

To add a new option set complete the following:

1. Select 'Configuration for MDS 3.0' from the Grouper drop-down on the Menu Bar.



2. Select the Edit CMI Sets  button from the bottom of the 'Grouper Configuration' screen.
3. The 'Edit CMI Values – (RUG Version)' screen will be displayed.

RUG Model:  Group:  CMI Set:

Description:  
 Set F01. This is a set for the 48-group model based on national estimates of nursing staff time from the STRIVE staff time study. States using RUG-IV for Medicaid payment can opt to use this set for 48-group index maximized classification based on nursing time only.

Group	CMI Index
RUX	0.00
RUL	0.00
RVX	0.00
RVL	0.00
RHX	0.00
RHL	0.00
RMX	0.00
RML	0.00
RLX	0.00
RUC	0.00
RUB	0.00
RUA	0.00
RVC	0.00
RVB	0.00
RVA	0.00
RHC	0.00
RHB	0.00
RHA	0.00
RMC	0.00

4. Select the New Set  button to display the 'New Set' screen.

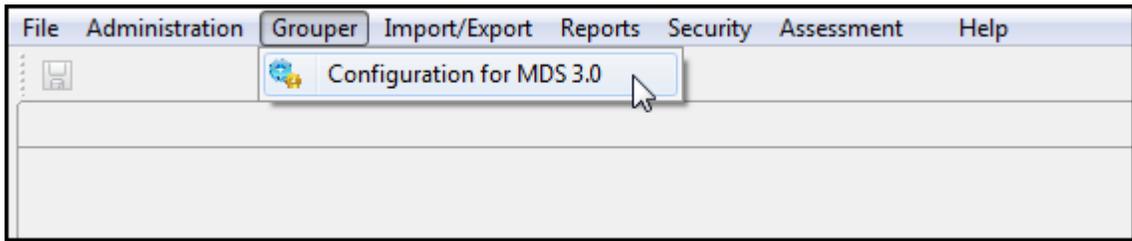
From set:

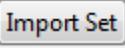
Name of set:

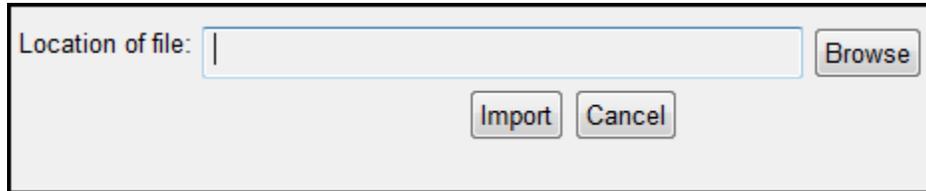
Description:

- a. **From Set:** This drop-down box will allow the user to choose from each existing set for the selected RUG version. For ease of use a new set may be created based off of existing set configurations.
- b. **Name of Set:** This field should be used to enter a custom name of the set being created. For processing purposes this name may only be alphanumeric (letters and numbers). This field may not be left blank.
- c. **Description:** This optional field will allow the user to enter any notes or additional information which relates to the new configuration set.





2. Select the Edit CMI Sets  button from the bottom of the 'Grouper Configuration' screen.
3. Select the Import Set  button to display the 'Import CMI Values' screen.

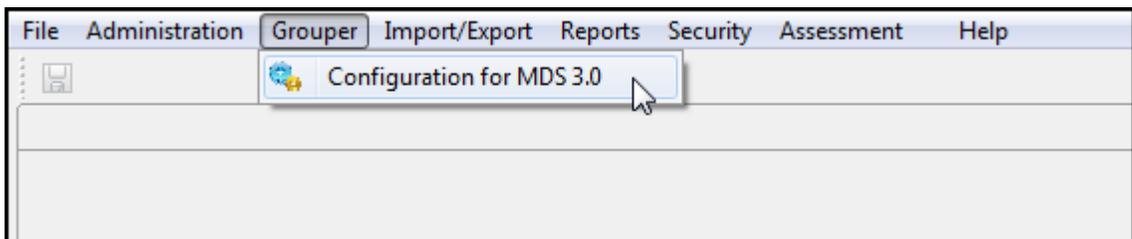


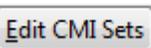
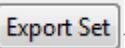
4. Choose the location of the CMI set to import by selecting the Browse  button.
5. Select the Import  button to add the file's contents to jRAVEN.

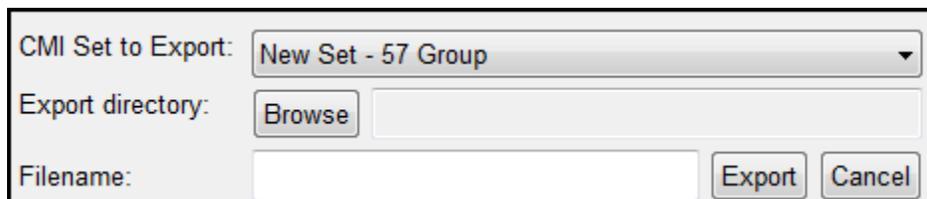
## EXPORT A CMI SET

Complete the following steps to Export a custom CMI set:

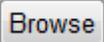
1. Select 'Configuration for MDS 3.0' from the Grouper drop-down on the Menu Bar.



1. Select the Edit CMI Sets  button from the bottom of the 'Grouper Configuration' screen.
2. Select the Export Set  button to display the 'Export CMI Values' screen.



3. Select the appropriate set from the 'CMI Set to Export' drop-down.

4. Select the Browse  button to designate the directory or location you wish to save your export file.
5. Enter a Filename. File extensions are not needed.
6. Select Export  to complete the export process. You will receive a confirmation message to indicate that the export process has completed successfully.

## USER SETUP AND MAINTENANCE

The Default User must create at least one System Administrator User before being permitted to add any further data to the jRAVEN application. It is highly recommended to set up more than one System Administrator User. In the event the primary System Administrator User's account becomes locked, the second System Administrator will have the ability to unlock the primary account.

Please consult the jRAVEN Installation Guide for detailed instructions regarding the initial login and setup by the Default User.

### USER TYPES

To enhance the security of data there are four User Types available within the jRAVEN application, each having a unique level of access.

The following User Types are available within the jRAVEN application:

- Default User (only to be used during initial setup)
- System Administrator
- Data Entry
- View Only

**Please Note:** The Default User ID (jraven) may only be used to add or modify facilities and users. After successfully creating at least one Facility and one System Administrator, the Default User must log out of the application. The newly created User must login to display the full jRAVEN menu.

The table below provides a summary of the functions available to each User Type. An "X" denotes that a function will be available to that particular User Type unless otherwise specified. Note: You will not see the Default User in this summary as it may only be used to add/maintain facility and user information.

Features/Functionality	System Administrator	Data Entry	View Only
Assessments	Add/Edit/Delete	Add/Edit	
Create Inactivation Requests	X		
Create Modification Requests	X		
Export Files	X		
Import Files	X		
Maintain Facility Information	Add/Edit/Delete	Edit	
Maintain Resident Information	Add/Edit/Hide/Delete	Add/Edit	
Maintain User Information	Add/Edit/Delete		
Perform Data Entry for MDS form	X	X	
Print Assessments (Report)	X	X	X
View Assessment Data Entry Report	X	X	X
Data Comparison Report	X	X	
View Event Tracking Report	X		
View Hidden Residents/Assessments	X		
View User List	X		
View Assessments Entered by Any User	X	X	X

## ADD A USER

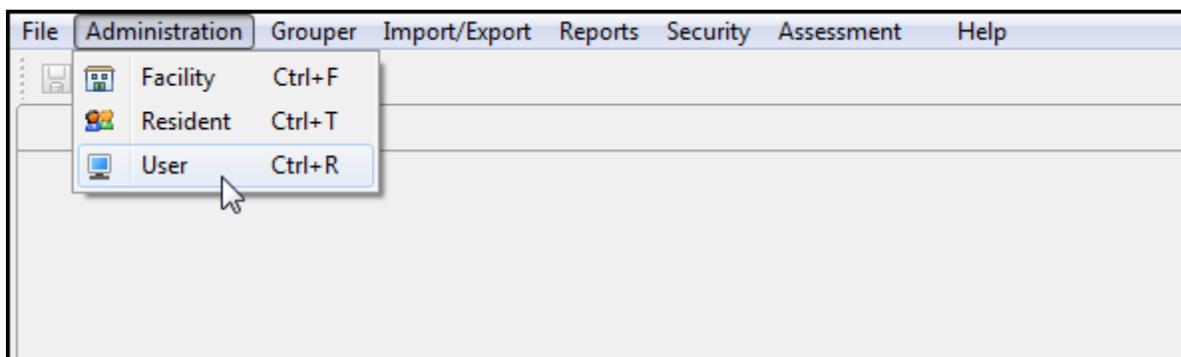
The 'User Information' screen allows users, dependent upon their User Type, to modify and setup new user accounts. The term 'user' refers to the individuals who will be viewing or entering data into the jRAVEN application.

The 'User Information' screen displays in two sections:

- User Summary (on the left)
- User Detail (on the right)
  - All user data entry is done in this section.

Complete the following steps to add a new user:

1. Select 'User' from the Administration drop-down on the Menu Bar or 'Go to User' from the 'Home' screen.



2. The 'User Information' screen displays.

**User Information**

→ User Summary (Alt+L)

User ID	First Name	Last Name	User Type	Facility	Activation Date	Termination Date
SysAdmin	Sys	Administrator	System Admini...	Facility - 12345...	12-07-2015	

**User Detail \* = Required Field**

User ID\* SysAdmin

First Name\* Sys

Middle Name

Last Name\* Administrator

Phone ( ) -

Ext.

Email

User Type\* System Administrator

Reset Password/Unlock The Account

**Activation Detail**

Activation Date\* 12-07-2015

Termination Date\* - -

Account Status\* Normal

**Provider Detail**

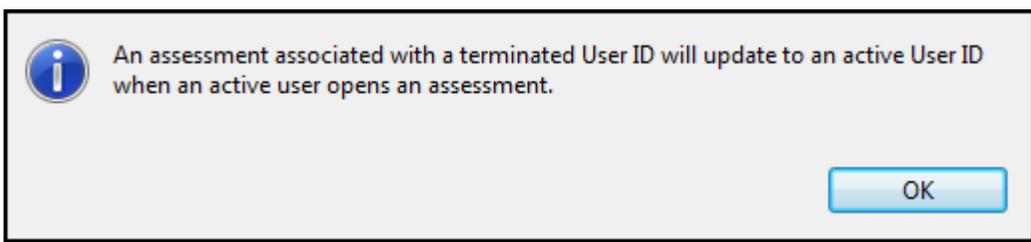
Facility\* Facility - 123456789(LA)

3. Enter the appropriate user information into the User Detail section. Required fields display on the screen in bold type with an asterisk.
4. After entering all required user information, click the 'Save'  icon. Saved user information will display in the User Summary section on the left side of the screen.
5. To add additional users, click the 'New'  icon, enter data and click the 'Save'  icon.

## TERMINATION DATE

A Termination Date should only be entered if an active user is no longer valid (e.g., no longer works for the facility). If there is only one System Administrator and that person terminates his/her position, a new System Administrator must be setup prior to entering the Termination Date for the existing System Administrator.

If a Termination Date is entered for a user who has assessments in the database a Termination Date message box will be displayed advising that any assessments associated with the terminated User ID will be updated to an active User ID when an active user opens the assessment.



## MODIFY A USER

Complete the following steps to modify an existing user:

1. Locate and highlight the user in the User Summary section.
2. Make the appropriate changes in the User Detail section on the right side of the screen.
3. Click the 'Save'  icon.

## DELETE A USER

Complete the following steps to delete a user:

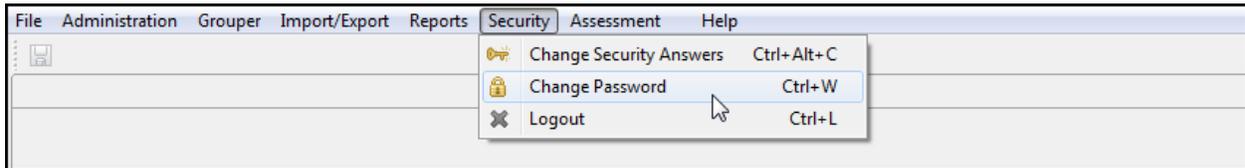
1. Locate and highlight the user in the User Summary section.
2. Click the 'Delete'  icon.
  - a. Deletions cannot be made if the user has created or modified facility, resident, or assessment data.

## CHANGE PASSWORD

User passwords may be changed at any time.

Complete the following steps to change a password:

1. Login to jRAVEN.
2. Select 'Change Password' from the Security drop-down on the Menu Bar.



3. The 'Change Password' screen displays along with the following rules:
  - The new password and the confirm new password must match.
  - The new password must be at least 8 characters long.
  - The new password must be no more than 20 characters long.
  - The new password must not contain any space.
  - The new password must not contain the User ID, First Name, Last Name, or Email.
  - The new password must not begin with a number.
  - The new password can only contain a maximum of 3 repetitive characters.
  - The new password must contain at least one for each of the following type of characters:
    - Upper-case Character: A-Z
    - Lower-case Character: a-z
    - Number: 0-9
    - Special Character: &~`!-@#\$\$%^\*()\_+={}[]\|:;'"<>.,?/
  - The new password must not match any of the user's most recent 6 passwords.
  - The new password will be set to expire in 60 days.

The new password and the confirm new password must match.  
 The new password must be at least 8 characters long.  
 The new password must be no more than 20 characters long.  
 The new password must not contain any space.  
 The new password must not contain the User ID, First Name, Last Name, or Email.  
 The new password must not begin with a number.  
 The new password can only contain a maximum of 3 repetitive characters.  
 The new password must contain at least one for each of the following type of characters:  
 Upper-case Character: A-Z  
 Lower-case Character: a-z  
 Number: 0-9  
 Special Character: &~`!-@#\$\$%^\*()\_+={}|[]\;:'">,./?  
 The new password must not match any of the user's most recent 6 passwords.  
 The new password will be set to expire in 60 days.

Password

New Password

Confirm New Password

4. Enter the current password in the 'Password' box.
5. Enter a new password in the 'New Password' and 'Confirm New Password' box.
6. Select 'Change Password'. Selecting 'Cancel' will close the 'Change Password' screen and will not change the existing password.

## FORGOT PASSWORD

Complete the following steps if you have forgotten your password:

1. Enter the User ID and select the 'Forgot Password'  button.

User ID

Password

Enable Accessibility Features

2. The 'Security Questions' pop-up window displays with three (3) of the security questions which were answered during the initial setup of the given User ID.

**To enable the OK button, all questions must be answered.**

What is your favorite sport?

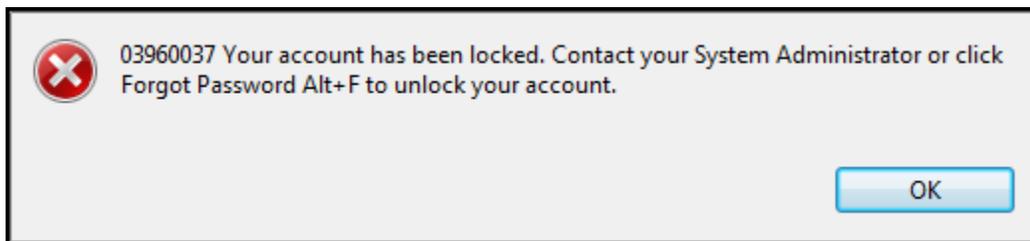
What city were you born in?

What was the color of your first car?

3. Enter responses to the questions provided.
4. Select 'OK' to continue to the 'Change Password' screen. Selecting 'Cancel' will close the security questions and return to the login screen.

## LOCKED USER ACCOUNT

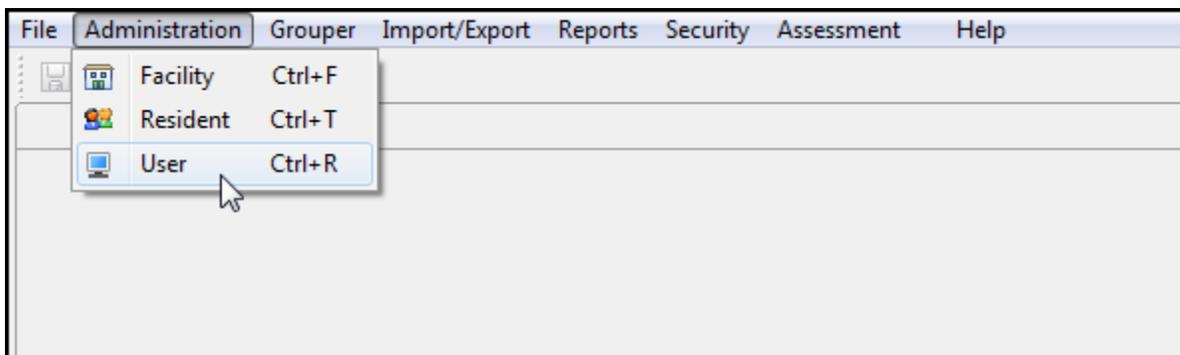
jRAVEN will allow three (3) login attempts prior to locking a user account and removing the ability to login. The following message will be displayed when a user account becomes locked: "Your account has been locked. Contact your System Administrator or click Forgot Password Alt+F to unlock your account."



As stated in the error message there are two options when a user account has become locked. Click 'OK' to return to the 'Login' screen. Follow the instructions for [Forgot Password](#) to unlock the account.

The user may also contact a System Administrator who can reset the account using the following steps:

1. Select 'User' from the Administration drop-down on the Menu Bar.



2. Locate and highlight the locked user account in the User Summary section. Locked user accounts will display in bold type.

3. Check the 'Reset Password/Unlock The Account' checkbox in the User Detail section on the right side of the screen.
4. Click the 'Save'  icon.
5. The user account is now unlocked. The password has been reset to match the User ID. Please note the password is case sensitive and must match in both the 'User ID' and 'Password' fields.

**Please Note:** In the event the primary System Administrator account becomes locked, a second System Administrator OR the Default User (User ID = jraven) may log in and reset the account by following the steps defined above.

If the System Administrator account cannot be unlocked using the [Forgot Password](#) instructions or the [Locked User Account](#) instructions please contact the QIES Help Desk for further assistance. The Help Desk will reset the Default User account (User ID=jraven) which may then be used to unlock the account or setup a new System Administrator.

## RESIDENT SETUP AND MAINTENANCE

The 'Resident Information' screen allows users, depending on User Type, to add, edit, delete and search for residents.

The 'Resident Information' screen displays in 4 sections:

- Search Criteria (top of the screen)
- Resident Summary (on the left)
- Resident Detail (on the right)
  - All resident data entry is done in this section.
- Actions (on lower right)

### ADD A RESIDENT

Complete the following steps to add a new resident:

1. Select 'Resident' from the Administration drop-down on the Menu Bar.



2. The 'Resident Information' screen displays.

The screenshot shows the 'Resident Information' screen. At the top, there is a 'Search Criteria (Alt+J)' section with three dropdown menus for 'Field Name', 'Condition', and 'Field Value'. To the right of these are 'Search', 'Clear', and 'Show Hidden' buttons. Below this is a 'Resident Summary (Alt+L)' table with columns for Last Name, First Name, Middle Initial, Suffix, SSN, Medicare/railroad number, Medicaid No., and Birthdate. On the right side, there is a 'Resident \* = Required Field' section with various input fields: Facility ID\*, First Name (A0500A)\*, Middle Initial (A0500B)\*, Last Name (A0500C)\*, Suffix (A0500D)\*, Social Security Number (A0600A)\*, Resident Medicare/railroad insurance number (A0600B)\*, Medicaid Number (A0700) Enter + if pending, N if not Medicaid\*, Gender (A0800)\*, Birthdate (A0900)\*, and Race/Ethnicity (A1000)\*. The Race/Ethnicity field has radio button options: A. American Indian or AI, B. Asian, C. Black or African Amer, and D. Hispanic or Latino.

3. Enter the appropriate resident information into the Resident Detail section. Required fields display on the screen in bold type with an asterisk.
4. After entering the required resident information, click the 'Save'  icon. Saved resident information will display in the Resident Summary section.
5. To add additional residents click the 'New'  icon, or utilize the 'Add Resident'  button located in the Actions section on the right side of the screen. Enter data and click the 'Save'  icon.

## HIDE A RESIDENT RECORD

The 'Hide Resident Record' field located in the Resident Detail section allows users to hide records that no longer need to be accessed. For example, when a resident is no longer in the facility and all associated assessments have been exported; the user can hide the resident record. To hide a resident's records, select the "Yes, hide record" option within the Resident Detail section.

The screenshot shows a 'Hide Resident Record' dropdown menu. The menu is open, showing two options: 'No, do NOT hide record' and 'Yes, hide record'. The 'Yes, hide record' option is highlighted with a mouse cursor.

## RESIDENT SEARCH

The 'Search Criteria' section is located at the top of the 'Resident Information' screen. To retrieve all existing resident records, leave the Search Criteria blank and click the 'Search'  button.

The screenshot shows the 'Resident Information' screen with the 'Search Criteria (Alt+J)' section. It features three dropdown menus for 'Field Name', 'Condition', and 'Field Value'. To the right are 'Search', 'Clear', and 'Show Hidden' buttons. Below these is a navigation bar with '<<', '<', 'No records found.', '>', '>>', and a download icon.

Complete the following steps to retrieve one or more records based on Search Criteria:

1. Select criteria from the 'Field Name' and 'Condition' lists.
2. Enter a 'Field Value'.
3. Select the box next to 'Show Hidden' to include records marked 'Yes, hide record' in the Resident Details section.
4. Click the 'Search' button.
5. Click the 'Clear' button to remove search criteria and begin a new resident search.

**Please Note:** A System Administrator will see duplicate residents listed in the Resident Summary section if a resident has been at multiple facilities and the System Administrator has access to all of those facilities within the jRAVEN application.

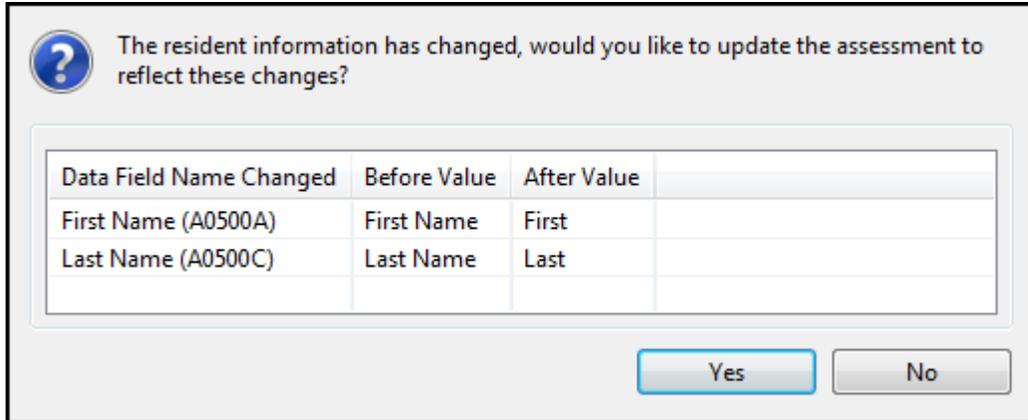
## MODIFY A RESIDENT

Complete the following steps to modify an existing resident:

1. Locate and highlight the resident in the Resident Summary section.
2. Make the appropriate changes in the Resident Detail section on the right side of the screen.
3. Click the 'Save'  icon.

The following message will display on the 'Assessment Search' screen when opening an existing assessment after resident information has been modified: "The resident information has changed, would you like to update the assessment to reflect these changes?"

The user will be shown the field name values currently in the assessment (Before Value) as well as the value after selecting 'Yes' on the Resident Data Updated pop-up window (After Value).



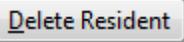
Data Field Name Changed	Before Value	After Value	
First Name (A0500A)	First Name	First	
Last Name (A0500C)	Last Name	Last	

- Selecting 'Yes' will update the resident information within the selected assessment record to reflect what is in the Resident Detail section of the 'Resident Information' screen.
- Selecting 'No' will open the record without updating resident information within the selected assessment record.

**Please Note:** This message will continue to be displayed each time an assessment is opened after modifying the resident data until 'Yes' is selected.

## DELETE A RESIDENT

Complete the following steps to delete a resident:

1. Locate and highlight the resident in the Resident Summary section.
2. Click the 'Delete'  icon or the 'Delete Resident'  button in the Actions section of the 'Resident Information' screen.
  - Deletions cannot be made if one or more assessments have been created for the resident.

## MOVE A RESIDENT

In the event a resident is moved from one MDS facility to another within the same corporation, it is necessary to reassign the resident to the appropriate facility. Before reassigning a resident to a new facility ALL existing assessments must be in an 'Exported' or 'Outdated' status.

### Verify Assessment Status

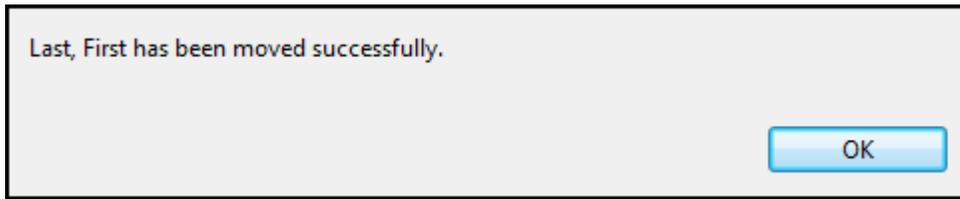
Complete the following steps to verify the status of a resident's assessments:

1. Perform an assessment search by following the [Assessment Search](#) procedure. It is recommended that the 'show hidden' checkbox be applied to ensure all existing records are shown.
2. If all assessments found have an 'Exported' or 'Outdated' status, proceed to [Assign a New Facility ID](#) below.
3. If 'Non-Exported' assessments are found, enter any remaining applicable data to complete the assessment record. Required fields will appear in bold type in the 'Navigator' section of the 'Assessment' screen. You may also choose to delete an assessment if it has been entered in error.
4. Click the 'Save and Validate'  icon.
5. If the assessment is complete you will have achieved a status of 'Outdated' or 'Export Ready'. Close the assessment.
6. For 'Export Ready' assessments, follow the [Export](#) procedure to set the status appropriately.

### Assign a New Facility ID

Complete the following steps to assign a resident to a new facility:

1. Select 'Resident' from the Administration drop-down on the Menu Bar.
2. The 'Resident Information' screen displays.
3. Perform a [Resident Search](#) for the resident you wish to move.
4. Locate and highlight the resident to be reassigned in the Resident Summary section.
5. Verify the resident information in the Resident Detail section on the right.
6. Select the new facility from the 'Facility ID' drop-down.
7. Click the 'Save'  icon.
8. When a resident has been successfully moved the following confirmation message will be displayed:  
“(Resident Name) has been moved successfully.”

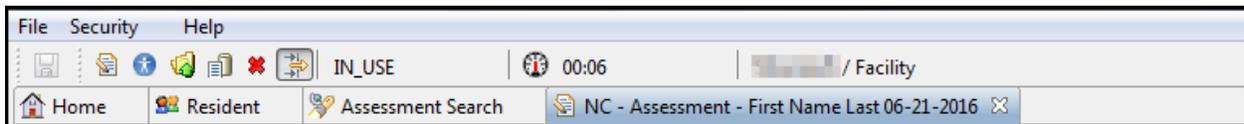


9. Click 'OK' to complete the resident move process and assign the new facility information. Saved resident information will display in the Resident Summary section of the Resident Screen.

## ASSESSMENT NAVIGATION AND MAINTENANCE

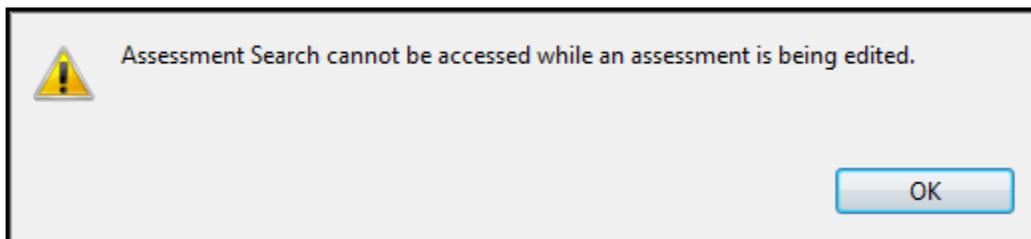
### SCREEN TABS

Tabs for active screens (e.g. Home, Resident, Assessment Search, and Assessment) will display below the Toolbar at the top of the screen. The 'Assessment' tab will display the assessment type, resident name and assessment date.



When the assessment screen is open no other screens may be accessed.

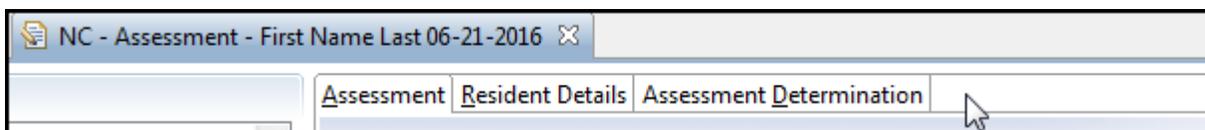
If an attempt to view a subsequent screen tab such as 'Assessment Search' while the 'Assessment' screen is active, the user will receive an error message stating that this function is not allowed as shown in the example below. Click 'OK' to close the error message and return to the 'Assessment' screen.



### ASSESSMENT SCREEN TABS

When an assessment is opened three additional tabs will be displayed:

- Assessment
- Resident Details
- Assessment Determination



## **ASSESSMENT**

The 'Assessment' tab displays the resident assessment; this is where all assessment data entry will be completed.

## **RESIDENT DETAILS**

The 'Resident Details' tab displays resident demographic data in a view only, non-editable, format.

## **ASSESSMENT DETERMINATION**

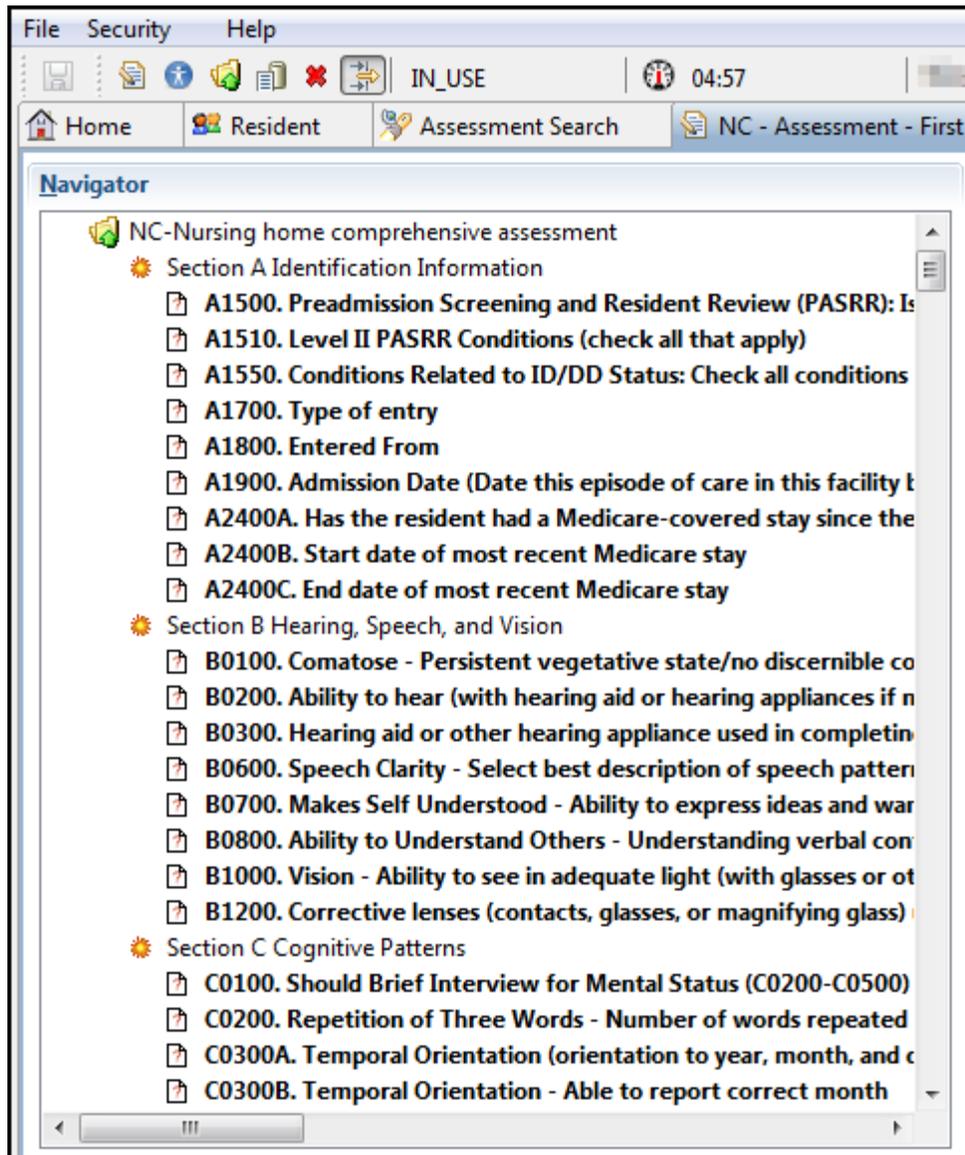
The 'Assessment Determination' tab displays data previously entered on the 'Add Assessment' wizard in a view only, non-editable, format.

## **NAVIGATOR**

The assessment 'Navigator' is located in the top left corner of the 'Assessment' screen and will display all assessment items in a collapsible tree format. Unanswered questions will appear in **bold** type.

As questions are answered, they are removed from the tree. To change the display of the tree to continue showing answered questions utilize the 'Show/Hide'  icon in the Toolbar at the top of the screen.

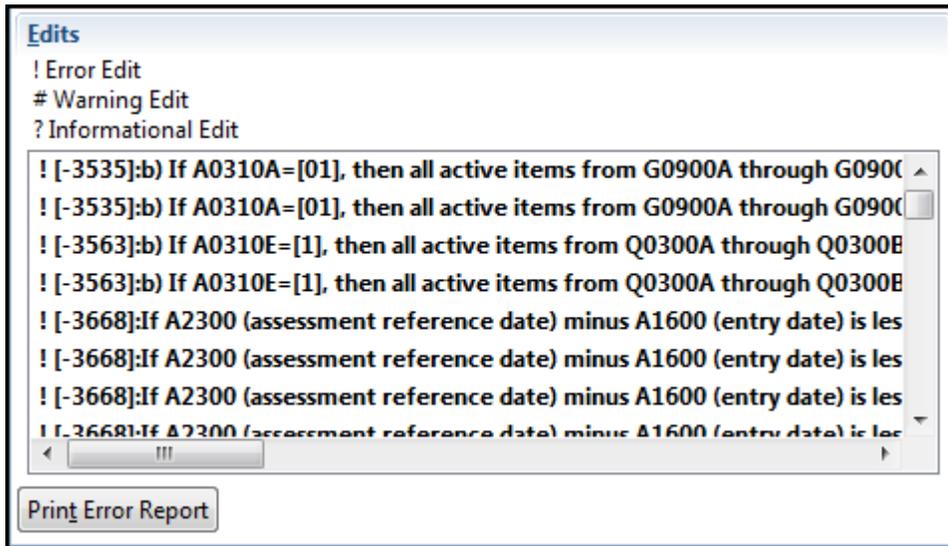
**TIP:** Clicking on an item in the tree will move the cursor to the selected field within the assessment.



## EDITS

Data integrity edits are applied as information is entered into jRAVEN. These edits are unique messages put in place to assist users with the accurate completion of data entry. Some edits will present a pop-up message and must be addressed when displayed in order to proceed. Other edits may not appear until the assessment is saved and validated.

The assessment 'Edits' section is located in the bottom left corner of the 'Assessment' screen. This section displays applicable errors or warnings found within an assessment after selecting the 'Save and Validate'  icon.



The following types of edits may occur in jRAVEN:

### ERRORS (!)

This type of edit informs the user that information is missing or invalid. Data must be entered or corrected before the assessment may be completed.

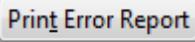
### WARNINGS (#)

This type of edit indicates there is data entered that should be verified as accurate, or serves as a reminder regarding how certain fields should be completed.

### INFORMATIONAL (?)

This type of edit gives the user general information about the assessment data entered.

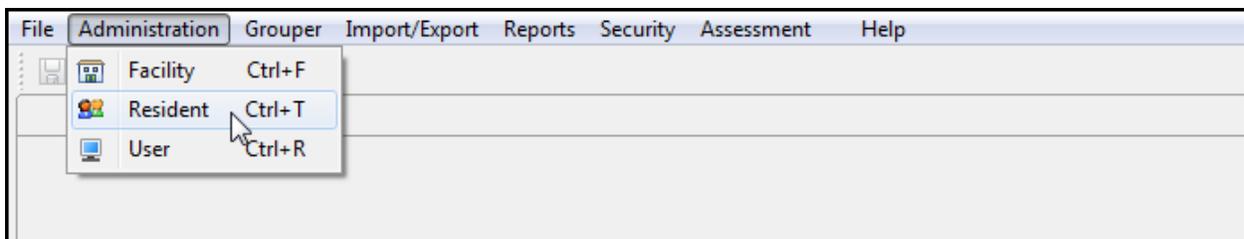
**TIP:** Clicking on an edit message will move the cursor to the appropriate field within the assessment so it may be verified or corrected. An [Assessment Error Report](#) may be printed which will display all edits shown on the 'Edits' section of the

'Assessment' screen. Utilize the 'Print Error Report'  button at the bottom of the Edits Section to print the Assessment Error Report.

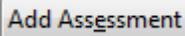
## ADD AN ASSESSMENT

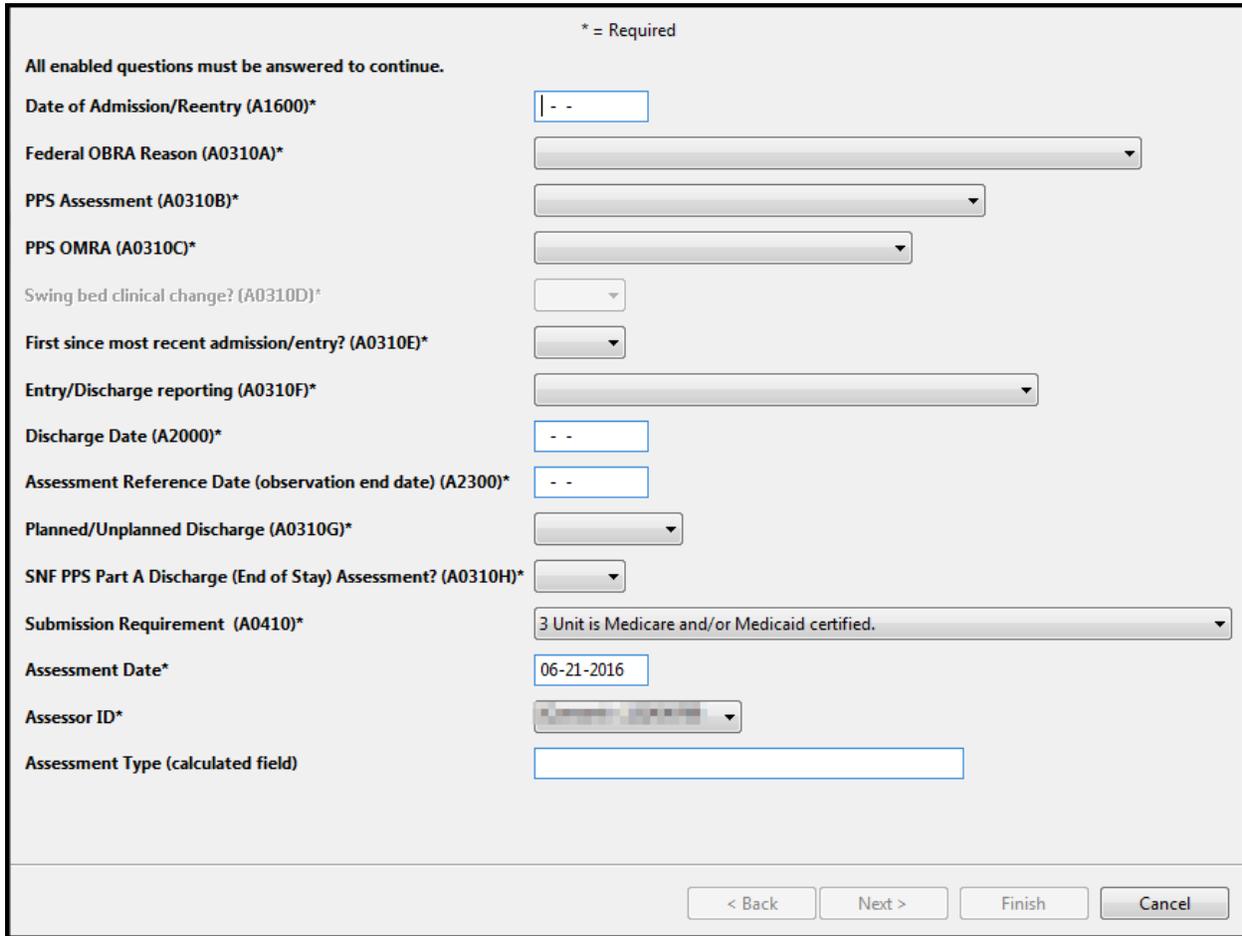
Complete the following steps to create an assessment:

1. Select 'Resident' from the Administration drop-down on the Menu Bar.



2. Complete a [Resident Search](#) or add a new resident.

- In the Resident Summary section, double click on the resident you wish to add an assessment for, OR highlight the resident row by clicking on the resident and click the 'Add Assessment'  button at the bottom of the Actions Section.
- The 'Add Assessment' wizard displays.



\* = Required

All enabled questions must be answered to continue.

**Date of Admission/Reentry (A1600)\*** | - -

**Federal OBRA Reason (A0310A)\*** [Dropdown]

**PPS Assessment (A0310B)\*** [Dropdown]

**PPS OMRA (A0310C)\*** [Dropdown]

Swing bed clinical change? (A0310D)\* [Dropdown]

**First since most recent admission/entry? (A0310E)\*** [Dropdown]

**Entry/Discharge reporting (A0310F)\*** [Dropdown]

**Discharge Date (A2000)\*** - -

**Assessment Reference Date (observation end date) (A2300)\*** - -

**Planned/Unplanned Discharge (A0310G)\*** [Dropdown]

**SNF PPS Part A Discharge (End of Stay) Assessment? (A0310H)\*** [Dropdown]

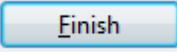
**Submission Requirement (A0410)\*** 3 Unit is Medicare and/or Medicaid certified. [Dropdown]

**Assessment Date\*** 06-21-2016

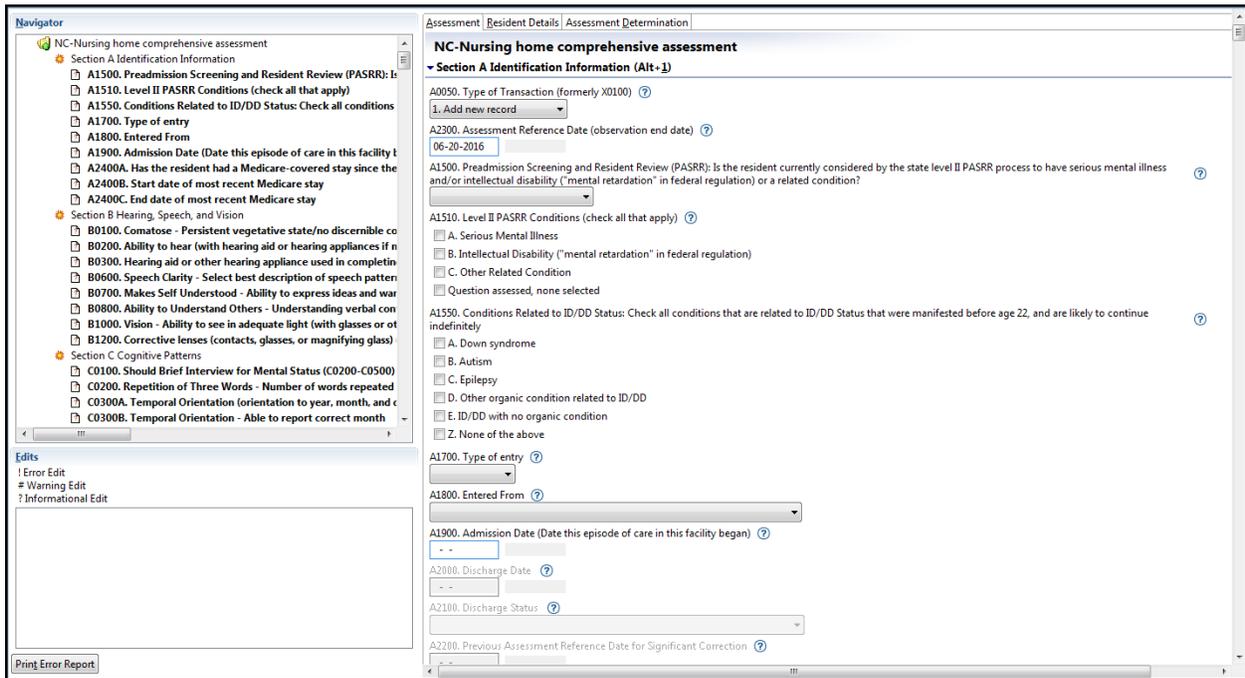
**Assessor ID\*** [Dropdown]

**Assessment Type (calculated field)** [Text Field]

< Back    Next >    Finish    Cancel

- Enter information into the fields as appropriate. Required fields display on the screen in bold type with an asterisk.
- Click 'Finish'  to display the 'Assessment' screen and continue entering assessment data OR click 'Cancel'  to return to the 'Resident Information' screen.

**Please Note:** After clicking 'Finish' errors and/or warning messages, if applicable, will display in a pop-up window before opening the 'Assessment' screen. Below is an example of the 'Assessment' screen.



7. Enter data as appropriate on the 'Assessment' screen. Required fields will appear in bold type in the 'Navigator' section at the upper left. Clicking on an item in the 'Navigator' will move the cursor to the selected field within the assessment.

**Please Note:** For optimization of the skip patterns and/or edits, it is recommended that data be entered in the order the questions appear on the screen.

8. To save progress as data is entered, click the 'Save'  icon or utilize the short-cut, Ctrl+S.
9. When data entry is complete click the 'Save and Validate'  icon to validate the assessment for errors or warnings.

## DUPLICATE ASSESSMENTS

In the event that the information entered on the 'Add Assessment' wizard duplicates an existing record within the assessment database, the 'Next'  button will enable on the 'Add Assessment' wizard, instead of the 'Finish' button. The following screen will display with a list of duplicate assessments.

**Add Assessment for resident First Name Last**

Assessment(s) exists for entered assessment date

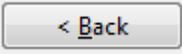
Assessment Information

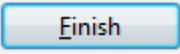
Assessment Date	Assessment Type	Status	Assessor	Entry Date	Discharge Date
06-21-2016	NC-Nursing home comprehensive assessment	IN_USE	[REDACTED]	06-20-2016	

< Back   Next >   Finish   Cancel

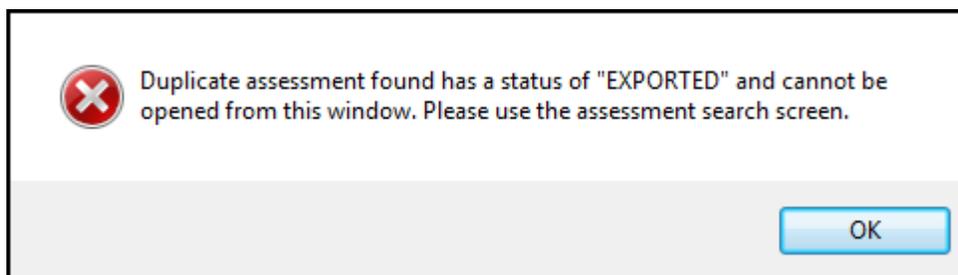
Complete the following steps to proceed in the event of a duplicate assessment:

1. Click to highlight the assessment.

2. Select the 'Back'  button to return to the Add Assessment' wizard to make changes if needed.

Select the 'Cancel'  button to return to the Resident Information Screen OR select the 'Finish'  button to continue data entry of the existing assessment.

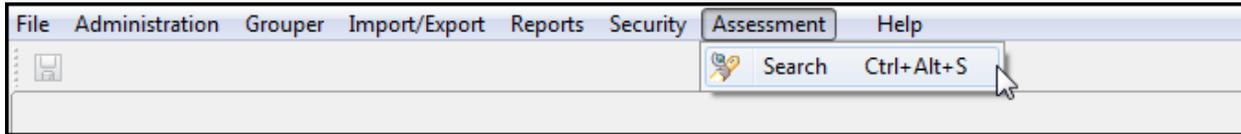
If the assessment found to be a duplicate is already in an Exported status, the following message will display: "Duplicate assessment found has a status of "EXPORTED" and cannot be opened from this window. Please use the assessment search screen." The user will need to navigate to the [Assessment Search](#) screen to modify or remove the assessment before proceeding.



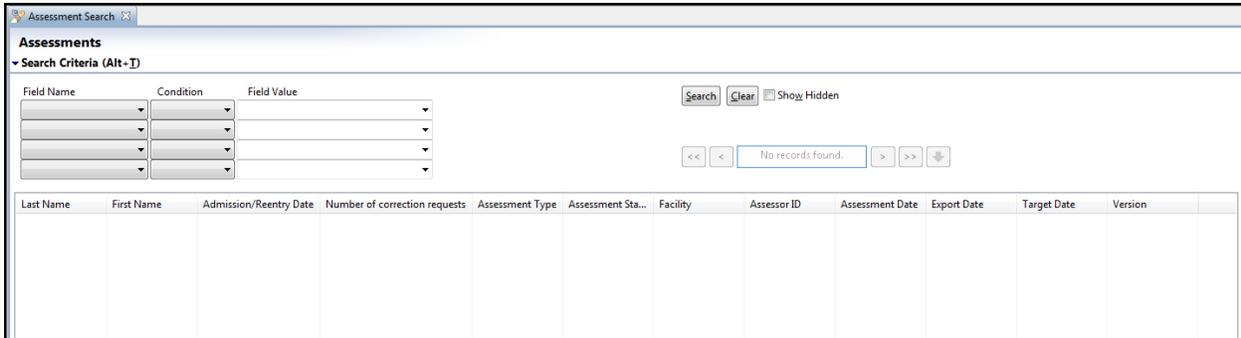
# ASSESSMENT SEARCH

Complete the following steps to search for an assessment:

1. Select 'Search' from the Assessment drop-down on the Menu Bar.



2. The 'Assessment Search' screen displays.



3. To retrieve all existing assessment records leave the Search Criteria blank and click the 'Search'  button.
4. To retrieve one or more assessment records based on Search Criteria:
  - a) Select criteria from the Field Name and Condition lists.
  - b) Enter a corresponding Field Value.
  - c) Click the 'Search'  button.
  - d) Click the 'Clear'  button to remove search criteria.

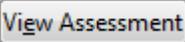
**Please Note:** Selecting the box next to 'Show Hidden' will include records for residents marked 'Yes, Hide Record' on the 'Resident' screen. It is also recommended when conducting a search after updating Resident and/or Facility information that the user close any open tabs and begin with a new Assessment Search screen.

## VIEW ONLY

Occasionally it may be necessary to view previously entered information where there is not a need to modify or edit the data. To view assessment data without editing or resetting the assessment status (e.g. Exported assessment) users may utilize the 'View Only' checkbox.

Complete the following steps to open an assessment in 'View Only' mode:

1. Complete an [Assessment Search](#) to locate the desired assessment.
2. Click to place a checkmark into the 'View Only'  **View Only** checkbox at the bottom of the screen.

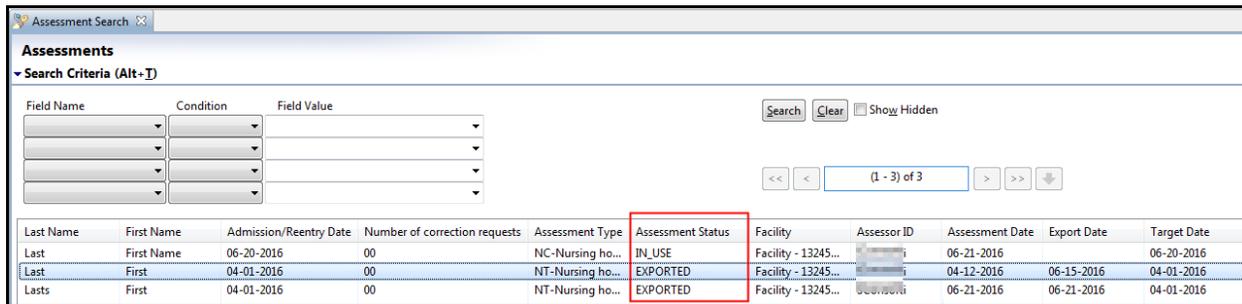
- Highlight the desired assessment record and select the 'View Assessment'  button at the bottom of the 'Assessment Search' screen, or double click to open the assessment for viewing.
- The 'Assessment' screen opens in 'View Only' mode.

**Please Note:** Assessments may not be modified in 'View Only' mode. To make changes to this assessment OR subsequent assessment records the 'View Only' checkbox **MUST** be unchecked.

## MODIFY AN ASSESSMENT

When modifying an assessment the user must first determine the assessment status. The assessment status may be viewed on the 'Assessment Search' screen as shown in the example below or on the Tool Bar once an assessment record has been opened. The following assessment statuses may occur within jRAVEN:

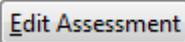
- IN\_USE
- DATA\_ENTRY
- EXPORT\_READY
- EXPORTED
- OUTDATED (assessment record greater than 36 months old)



Last Name	First Name	Admission/Reentry Date	Number of correction requests	Assessment Type	Assessment Status	Facility	Assessor ID	Assessment Date	Export Date	Target Date
Last	First Name	06-20-2016	00	NC-Nursing ho...	IN_USE	Facility - 13245...		06-21-2016		06-20-2016
Last	First	04-01-2016	00	NT-Nursing ho...	EXPORTED	Facility - 13245...		04-12-2016	06-15-2016	04-01-2016
Lasts	First	04-01-2016	00	NT-Nursing ho...	EXPORTED	Facility - 13245...		06-21-2016	06-21-2016	04-01-2016

### NEW, IN USE, DATA ENTRY, EXPORT READY or OUTDATED

Complete the following steps to modify an existing assessment with a status of IN\_USE, DATA\_ENTRY, EXPORT\_READY or OUTDATED:

- Complete an [Assessment Search](#) to locate the desired assessment.
- Highlight the assessment and select the 'Edit Assessment'  button at the bottom of the 'Assessment Search' screen or double click to open the assessment for modification.

**Please Note:** When an OUTDATED assessment is opened the following decision message will be displayed: "(Target Date) is greater than 36 months old. Would you like to continue and open this assessment?" Select 'Yes' to continue.

- The 'Assessment' screen will display.

**TIP:** Unanswered questions will appear in **bold** type in the Navigator section at the upper left corner of the 'Assessment' screen. Clicking on an item in the Navigator tree will move the cursor to the selected field within the assessment.

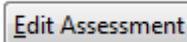
- Modify the assessment as appropriate.

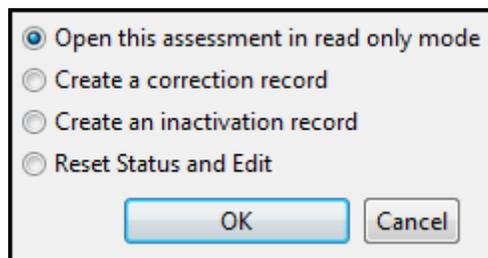
5. Select the 'Save and Validate'  icon on the toolbar to display any applicable warnings or errors found within an assessment.

## **EXPORTED**

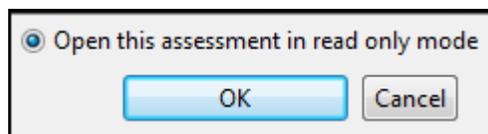
Only a user with System Administrator access may modify an assessment that has been exported.

Complete the following steps to modify an existing assessment with a status of EXPORTED:

1. Complete an [Assessment Search](#) to locate the desired assessment.
2. Highlight the assessment and select the 'Edit Assessment'  button at the bottom of the 'Assessment Search' screen or double click to open the assessment for modification.
3. The 'Exported Assessment' pop-up window displays with the following options:
  - **Open this assessment in read only mode** - Assessment opens and displays all previously selected answers in a view only format. This selection checks the 'View Only' checkbox at the bottom of the 'Assessment Search' screen. All other assessments will be view only until this box is unchecked.
  - **Create a correction record** – Assessment opens and displays all previously selected answers. All fields may be modified with the exception of the responses given on the 'Add Assessment' wizard.
  - **Create an inactivation record** – Inactivation assessment opens. Required fields are displayed within the Navigator section in bold type. Once saved the assessment type will be changed to XX- Inactivation.
  - **Reset Status and Edit** – Assessment opens and displays all previously selected answers in an editable format. All fields may be modified with the exception of the responses given on the 'Add Assessment' wizard. The assessment status will be changed to IN\_USE.



**Please Note:** Users who do not have System Administrator access will be shown an 'Exported Assessment' pop-up with only one option to "Open this assessment in read only mode." Selecting 'OK' will open the assessment for viewing only, selecting 'Cancel' will return the user to the 'Assessment Search' screen.



4. Select one of the four options provided on the 'Exported Assessment' pop-up window.
5. Select 'OK' to continue.

6. Modify the assessment if applicable or enter the required fields shown in the navigator if creating an inactivation assessment.
7. Click the ‘Save and Validate’  icon on the toolbar.

## MODIFY (A0410) SUBMISSION REQUIREMENT

The Submission Requirement (A0410) item provides three options to indicate a Facility or Unit’s Certification or Licensure Designation. In coding this item, the facility must consider Medicare and/or Medicaid status as well as the state’s authority to collect MDS records. State regulations may require submission of MDS data to the QIES ASAP System or directly to the state for residents residing in licensed-only beds.

Nursing homes and swing-bed facilities must be certain they are submitting MDS assessments to QIES ASAP System for those residents who are on a Medicare and/or Medicaid certified unit. For those residents who are in licensed-only beds, nursing homes must be certain they are submitting MDS assessments either to QIES ASAP System or directly to the state in accordance with state requirements.

In order to successfully complete submissions to the appropriate state and/or national data repository item A0410 must be encoded correctly. For additional information regarding how to encode item A0410 please consult Chapter 5 of the MDS 3.0 RAI Manual.

In the event there is a need to modify item A0410 this may be done via the ‘Facility Information’ screen OR on an individual assessment using the ‘Assessment Search’ screen.

To modify A0410 via the ‘Facility Information’ screen complete the following steps:

1. Select ‘Facility’ from the Administration drop-down on the Menu Bar or ‘Go To Facility’ from the ‘Home’ screen.

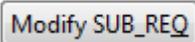


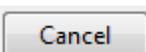
2. The ‘Facility Information’ screen displays.

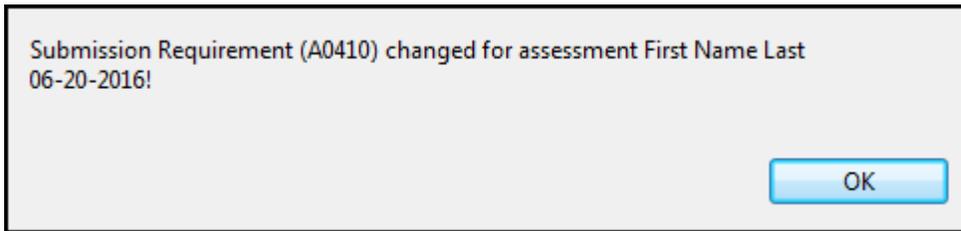
Facility Name	Address	Address	City	State	Zip Code	Facility Termination Date	FAC_ID
Facility Name	Address		City	IA Iowa	50266		1234567

3. Select the appropriate submission requirement from the drop-down menu provided.
4. Select Save  to update the facility information.

To modify A0410 via the 'Assessment Search' screen for an individual assessment complete the following steps:

1. Complete an [Assessment Search](#) to locate the assessment to be modified.
2. Highlight the assessment and select the Modify SUB\_REQ  button in the lower right corner of the search window.
3. The 'Modify Submission Requirement (A0410)' window displays.

4. Select the appropriate SUB\_REQ for the assessment from the provided drop-down.
5. Select the 'OK'  button to change the value and proceed OR select the Cancel  button to close the window and leave the submission requirement unchanged.
6. Once a change has been successfully made the Submission Requirement change confirmation message will appear.



**NOTE:** The Modify SUB\_REQ button is only available for records that have NOT been Exported. If an Exported assessment is highlighted the Modify SUB\_REQ button will be disabled (grayed out).

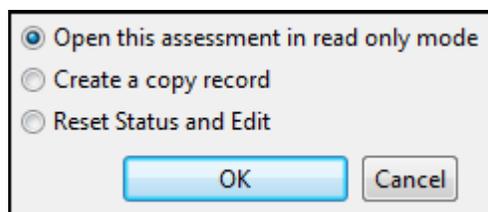
## COPY AN INACTIVATED ASSESSMENT

Occasionally it may be necessary to inactivate a record which subsequently needs to be modified for re-submission to the national data repository. For example, MDS policy instructs the provider to submit an inactivation record when the first name, last name, SSN, gender and/or birthdate is to be corrected. A new record with the correct information is then submitted.

After updating the resident information (see [Modify a Resident](#)) a copy of the inactivated record can be made to avoid the need to re-enter all of the assessment data.

Complete the following steps to copy an inactivated assessment with a status of EXPORTED:

1. Complete an [Assessment Search](#) to locate the inactivated assessment. Note that the assessment type will be shown as XX-Inactivation on the 'Assessment Search' screen.
2. Highlight the assessment and select the 'Edit Assessment'  button at the bottom of the 'Assessment Search' screen or double click to open the assessment.
3. The 'Exported Assessment' pop-up window displays with the following options:
  - **Open this assessment in read only mode** – Inactivation assessment opens and displays all previously selected answers in a view only format. This selection checks the 'View Only' checkbox at the bottom of the 'Assessment Search' screen. All other assessments will be view only until this box is unchecked.
  - **Create a copy** – Assessment opens and displays all previously selected answers in an editable format. All fields may be modified with the exception of the responses given on the 'Add Assessment' wizard. Only one copy per inactivated assessment is allowed.
  - **Reset Status and Edit** – Inactivation Assessment opens and displays all applicable fields for editing. The Assessment Status will be changed to IN\_USE.

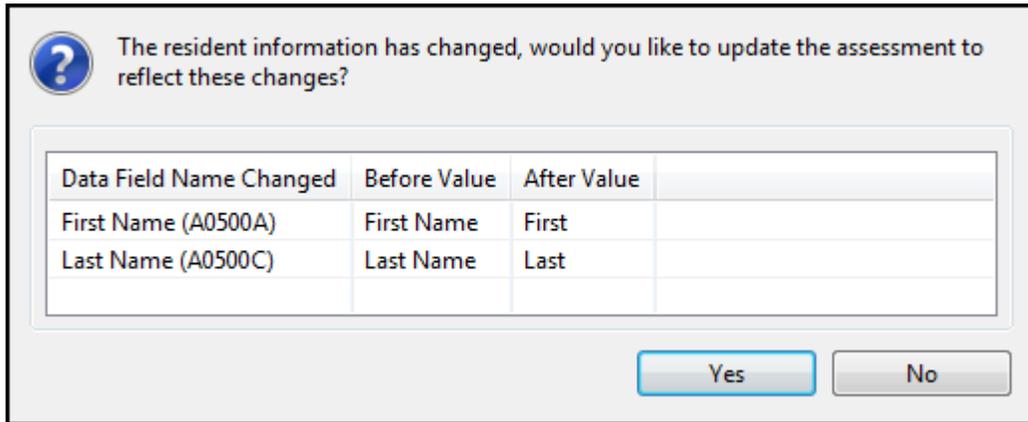


4. Select one of the three options provided on the 'Exported Assessment' pop-up window.

5. Select 'OK' to continue.

**Please Note:** The following message will display prior to opening the assessment if resident information has been modified: “The resident information has changed, would you like to update the assessment to reflect these changes?”

- Select 'Yes' to update the assessment with the 'After Value'.
- Select 'No' to open the assessment without updating resident information.

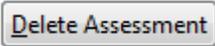


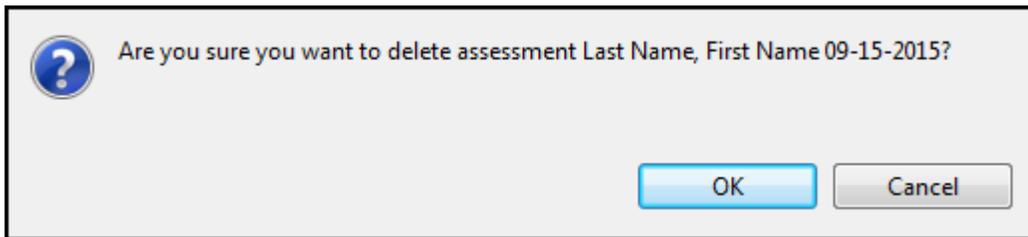
6. The 'Assessment' screen opens.
7. Modify the assessment data if applicable.
8. Click the 'Save and Validate'  icon on the toolbar.
9. Close the assessment.

## DELETE AN ASSESSMENT

Only a user with System Administrator access may delete an assessment. Assessments with a status of EXPORTED cannot be deleted; the status of these records must be reset to complete the deletion.

Complete the following steps to delete an assessment:

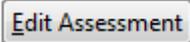
1. Complete an [Assessment Search](#) to locate the desired assessment.
2. Click once to highlight the assessment.
3. Click the 'Delete Assessment'  button at the bottom of the 'Assessment Search' screen to delete the selected assessment.
4. The 'Confirm Assessment Delete' pop-up window displays the following message: “Are you sure you want to delete assessment [resident last name, first name, admission/re-entry date (A1600)]?”

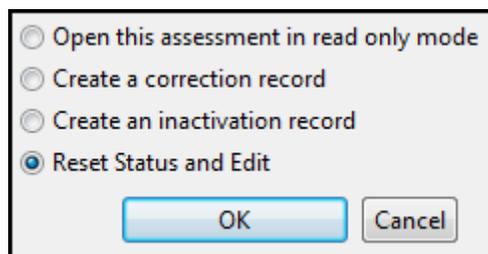


5. Select 'OK' to delete the assessment. Select 'Cancel' to close the pop-up window. The assessment will not be deleted.

If an assessment with a current status of EXPORTED needs to be deleted the user should first verify that the assessment record has not been submitted to the national data repository.

Complete the following steps to delete an assessment that has been previously exported:

1. Complete an [Assessment Search](#) to locate the desired assessment.
2. Highlight the assessment and select the 'Edit Assessment'  button at the bottom of the 'Assessment Search' screen or double click to open the assessment.
3. The 'Exported Assessment' pop-up window displays with the following options:
  - Open this assessment in read only mode
  - Create a correction record
  - Create an inactivation record
  - Reset Status and Edit



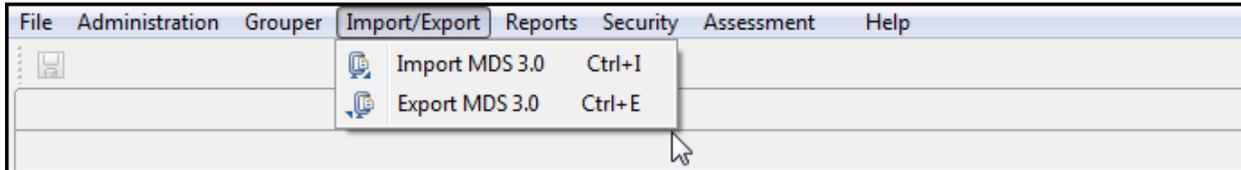
4. Select the 'Reset Status and Edit' radio button.
5. Select 'OK'.
6. The 'Assessment' screen will open setting the assessment status to IN\_USE.
7. Close the assessment.
8. Follow the instructions to [Delete an Assessment](#) to complete the removal of the assessment record.

# EXPORT

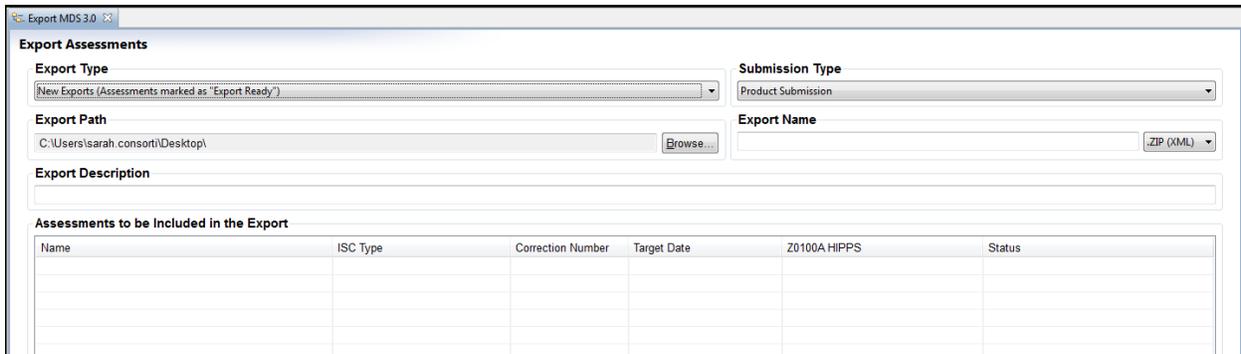
The 'Export Assessments' screen allows the user to export records for subsequent submission to the appropriate national data repository.

Complete the following steps to export an assessment:

1. Select 'Export MDS 3.0' from the Import/Export drop-down on the Menu Bar.



2. The 'Export Assessments' screen displays.



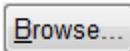
3. The export process will depend upon which Export Type is chosen. Select one of the following Export Types from the drop-down at the upper left corner of the 'Export Assessments' screen:
  - New Export (Assessments marked as "Export Ready")
  - Previous Export (Assessments marked as "Export Ready" or "Exported")

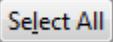
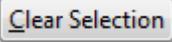
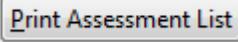
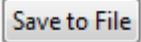
The process for each Export Type has been defined below.

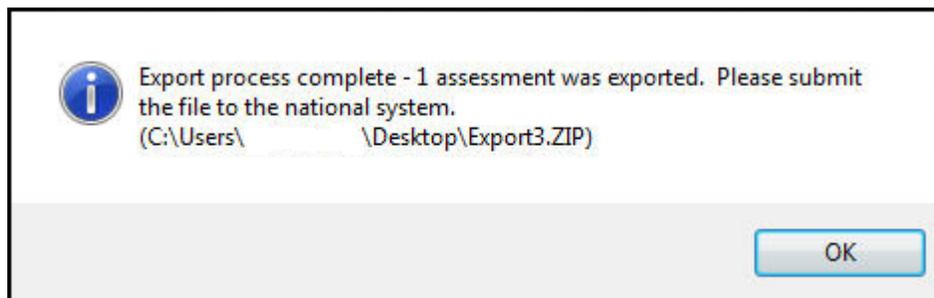
## NEW EXPORT

### (Assessments marked as "Export Ready")

Complete the following steps when selecting New Export:

1. Click the 'Browse'  button to select the Export Path. This is the location where the exported files will be saved.
2. Enter a unique file name into the field labeled Export Name. The Export Name will serve as a reference to the user when submitting the file to the appropriate national data repository. An example of what a user may choose to enter here would be the date the export file is created.

3. Enter the Export Description. This is an optional field which may be used to document additional details regarding the export file.
4. Select the assessments to be included in the export file by placing a checkmark into the boxes next to the desired assessment records. A minimum of one selection is required.
  - The ‘Select All’  button will select all assessments displayed in the list to be included in the export file.
  - The ‘Clear Selection’  button will unselect all assessments previously selected.
5. If desired, select the ‘Print Assessment List’  button to print a list of all assessments selected to be included in the export file. Please note: This report does not have a preview option and will be sent directly to the printer of the user’s choice.
6. If desired, select the ‘Error Check’  button to validate all assessments selected for export. Warnings and/or Error results will display in a new screen.
  - Select the ‘Save to File’  button to save the error report.
  - Select the ‘Close’  icon in the upper right corner to close the error report.
7. Select the ‘Export’  button to complete the export process.
8. The ‘Export Complete’ pop-up window displays notifying the user that the export process is complete. The number of assessments which have been exported as well as the location of the exported files displays within this pop-up window.



## PREVIOUS EXPORT

### (Assessments marked as “Export Ready or “Exported”)

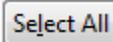
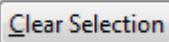
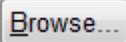
Complete the following steps when selecting Previous Export:

1. Begin by highlighting a previously exported file from the list in the Previous Exports section located in the center of the ‘Export Assessments’ screen.

Previous Exports		
Description	Location	Date
1 assessments.	C:\Users\... Desktop\test.ZIP	2016-06-15
1 assessments.	C:\Users\... Desktop\test2.ZIP	2016-06-15
1 assessments.	C:\Users\... Desktop\test.ZIP	2016-06-21
1 assessments.	C:\Users\... Desktop\test.ZIP	2016-06-21

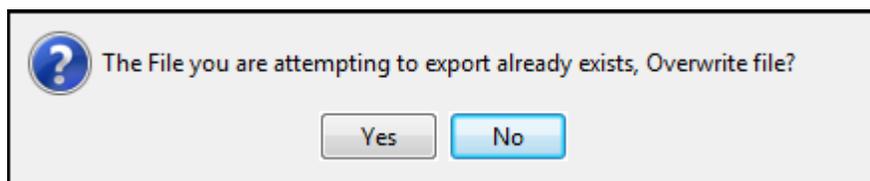
- A list of assessments included in the previous exports will be displayed in the section titled Previously Exported Assessments located at the bottom of the 'Export Assessments' screen.

Previously Exported Assessments					
Name	ISC Type	Correction Number	Target Date	Z0100A HIPPS	Status
<input type="checkbox"/> Last, First	NT-Nursing home tracking re...	00	2016-04-01		EXPORTED

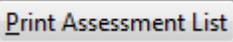
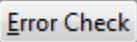
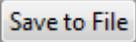
- Select the assessments to be included in the export file by placing a checkmark into the boxes next to the desired assessment records. While all assessments included in the previous export will be displayed, ONLY assessments with a status of "Export Ready" or "Exported" may be selected for inclusion in a new export file. A minimum of one selection is required.
  - The 'Select All'  button will select all assessments displayed in the list to be included in the export file.
  - The 'Clear Selection'  button will unselect all assessments previously selected.
- Click the 'Browse'  button to select the Export Path. This is the location where the exported files will be saved.
- Enter a unique file name into the field labeled Export Name. The Export Name will serve as a reference to the user when submitting the file to the appropriate national data repository. An example of what a user may choose to enter here would be the date the export file is created.

**Please Note:** By default the original Export Path and Export Name will be displayed. It is recommended to use the same Export Path for each export file; however the Export Name should be unique for each export file created. Failure to create a new Export Name may result in the following pop-up window: "The file you are attempting to export already exists, overwrite file?"

- Selecting 'Yes' will replace the original export file saved.
- Selecting 'No' will return the user to the 'Export Assessments' screen so they may select a new Export Name.



- Enter the Export Description. This is an optional field which may be used to document additional details regarding the export file.

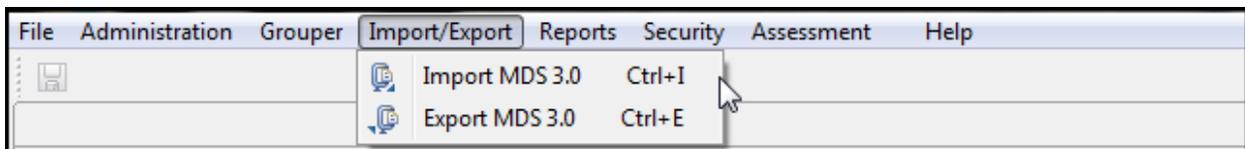
7. If desired, select the 'Print Assessment List'  button to print a list of all assessments selected to be included in the export file. Please note: This report does not have a preview option and will be sent directly to the printer of the user's choice.
8. If desired, select the 'Error Check'  button to validate all assessments selected for export. Warnings and/or Error results will display in a new screen.
  - Select the 'Save to File'  button to save the error report.
  - Select the 'Close'  icon in the upper right corner to close the error report.
9. Select the 'Export'  button to complete the export process.
10. The 'Export Complete' pop-up window displays notifying the user that the export process is complete. The number of assessments which have been exported as well as the location of the exported files displays within this pop-up window.

## IMPORT

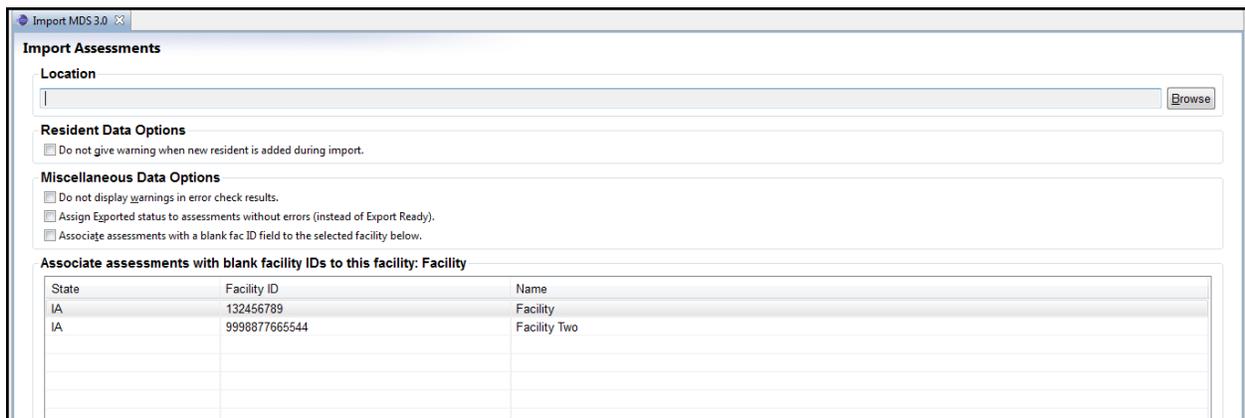
The 'Import Assessments' screen allows users to determine how data is imported into jRAVEN.

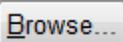
Complete the following steps to import an assessment:

1. Select 'Import' from the Import/Export drop-down on the toolbar.



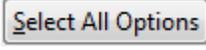
2. The 'Import Assessments' screen displays.



3. Click the 'Browse'  button to navigate to the location of the files to be imported.

**Please Note:** There may be an increased wait time when importing a large number of assessment records due to database encryption.

4. Set the desired preferences. You may select preferences individually or click the ‘Select All Options’

 button to check or uncheck all checkboxes.

## PREFERENCES

### RESIDENT DATA OPTIONS CHECKBOX

Selecting this checkbox turns off the warning message displayed when a new resident is imported. “Do not give warning when new resident is added during import.”

**Resident Data Options**

Do not give warning when new resident is added during import.

### MISCELLANEOUS DATA OPTIONS CHECKBOXES

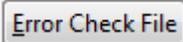
- “Do not display warnings in error check results.” Selecting this checkbox removes warning messages from the error check results report that displays after importing data. ONLY fatal errors are included in the report. Please note assessments which contain fatal errors in accordance with the MDS 3.0 Data Specifications will NOT be imported into jRAVEN.
- “Assign Exported status to assessments without errors (instead of Export Ready).” Selecting this checkbox sets the status of imported assessments to ‘Exported’. It is recommended to select this option if all records have been previously accepted by the ASAP System.
- “Associate assessments with a blank FAC ID field to the selected facility below.” Selecting this checkbox links import records which are missing a facility ID to the selected facility.

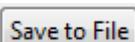
**Miscellaneous Data Options**

Do not display warnings in error check results.

Assign Exported status to assessments without errors (instead of Export Ready).

Associate assessments with a blank fac ID field to the selected facility below.

5. Select the ‘Error Check File’  button to validate all assessments to be imported. Error results will display in a new screen.

- a. Select the ‘Save to File’  button to save the error report (.txt).
- b. Click the ‘Close’  icon in the top right corner to close the report.

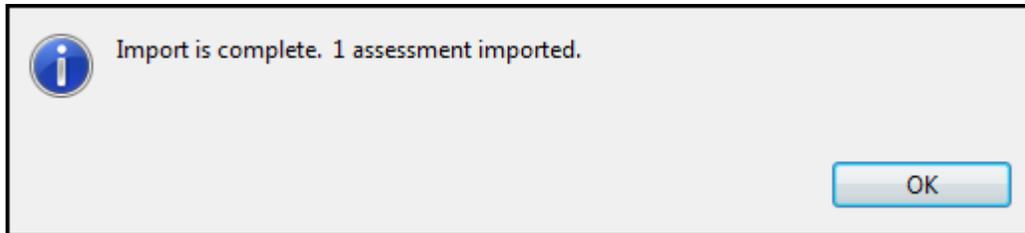
6. Click the ‘Import’  button to import the selected assessment records into jRAVEN.

7. If the import file chosen contains assessment records for residents who have not previously been entered into jRAVEN a ‘New Resident’ message will be displayed: “A new resident is being added to (Facility – FAC ID). Continue with the import of (Resident Name - SSN)?”

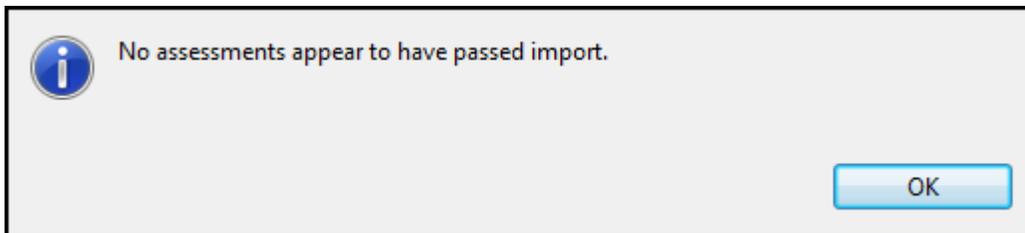
- a. Click 'Yes' to continue.
- b. Click 'No' or 'Cancel' to stop the import process.

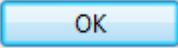
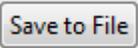
**Please Note:** This message will NOT be shown if the Resident Data Options checkbox has been selected.

8. The 'Import Complete' message displays along with a Status Report for all assessments included in the import.



9. If none of the selected files are successfully imported, the 'Import Failed' message displays along with a Status Report.



10. Click the 'OK'  button on the 'Import Complete' pop-up window to view the Status Report.
11. Click the 'Save to File'  button on the bottom of the Status Report to save a copy.

**Please note:** This is the ONLY opportunity the user will have to view OR save the Import Status Report. It is strongly recommended to save or print this report for future reference.

12. Click 'Close'  in the top right corner to close the Status Report.

## REPORTS

jRAVEN reports allow users to preview and print assessment information as well as detail and summary information for both facilities and residents.

The following reports are available within the jRAVEN application:

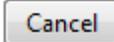
- Print Assessment Report
- Print Assessment Error Report
- Event Tracking
- Assessment Data Entry – By Status

## PRINT ASSESSMENT REPORT

The 'Print Assessment Report' provides a listing of all data which has been entered into the assessment record. Complete the following steps to obtain the 'Print Assessment Report':

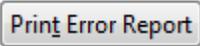
1. Begin generating the report using one the three available methods.
  - Click the 'Print Assessment Report'  icon on the Toolbar.
  - Utilize the short-cut Ctrl+A.
  - Select 'Print Assessment Report' from the File drop-down on the Menu Bar.
2. The 'Print Assessment Report' criteria selection window is displayed. This criteria selection window may be used to designate the number of signature lines shown on the printed report. The default number of signature lines will be 12.

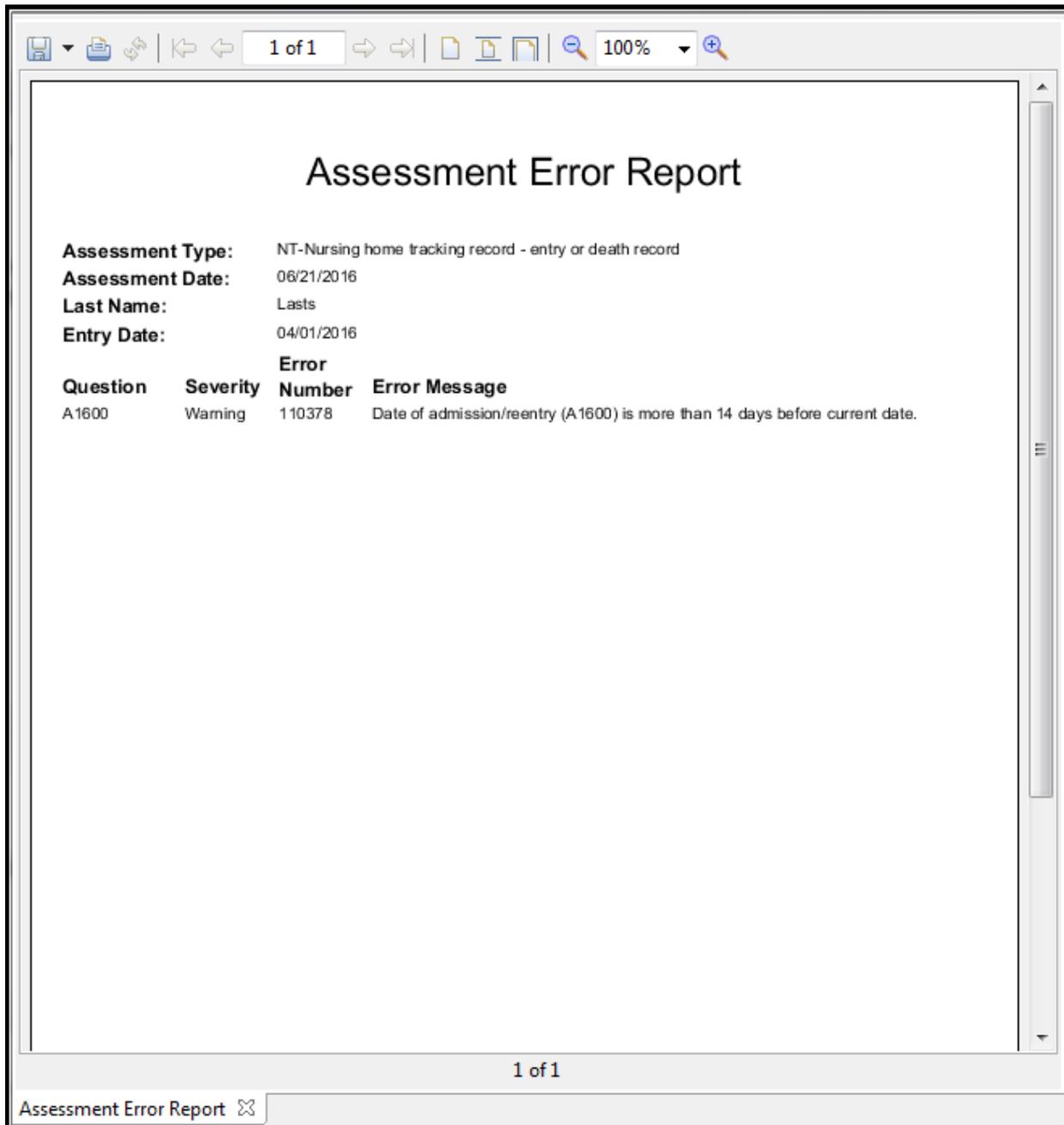


3. Complete the required fields. Required fields display on the screen in bold type with an asterisk.
4. Select the 'OK'  button to generate the report. Selecting 'Cancel'  will close the 'Print Assessment Report' criteria selection window. The 'Print Assessment Report' will not be generated.
5. To print the report, click the 'Print'  icon on the Report Viewer screen.
6. To save the report, click the 'Save'  icon on the Report Viewer screen.
7. To export the report, click the arrow next to the 'Save' icon.
8. The following export type values display:
  - Export as PDF
  - Export as RTF
  - Export as Jasper Reports
  - Export as HTML
  - Export as Single Sheet XLS
  - Export as Multi Sheet XLS
  - Export as CSV
  - Export as XML
  - Export as XML with Images
9. Select an export type.
10. Select the location in which you wish to save the report.

## ASSESSMENT ERROR REPORT

The Assessment Error Report provides a printable listing of all edits received for an assessment and may be generated in one of the following ways:

- Click the 'Print Error Report'  button located at the bottom of the 'Edits' section.
- Click the 'Print Assessment Error Report'  icon on the Toolbar.
- Utilize the short-cut Ctrl+P.
- Select 'Print Assessment Error Report' from the File drop-down on the Menu Bar.



The screenshot shows a software window titled "Assessment Error Report". The window has a toolbar at the top with various navigation and printing icons, including a "1 of 1" page indicator and a "100%" zoom level. The main content area displays the following information:

**Assessment Type:** NT-Nursing home tracking record - entry or death record  
**Assessment Date:** 06/21/2016  
**Last Name:** Lasts  
**Entry Date:** 04/01/2016

Question	Severity	Error Number	Error Message
A1600	Warning	110378	Date of admission/reentry (A1600) is more than 14 days before current date.

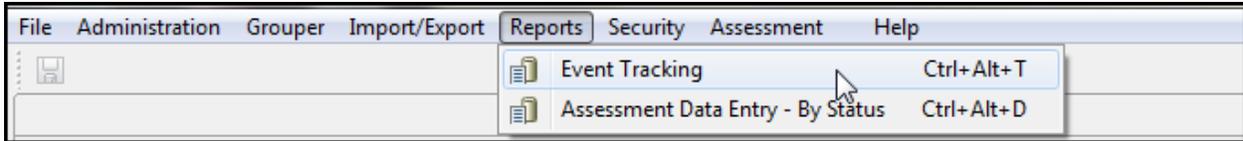
The window footer shows "1 of 1" and the title bar contains "Assessment Error Report".

## EVENT TRACKING

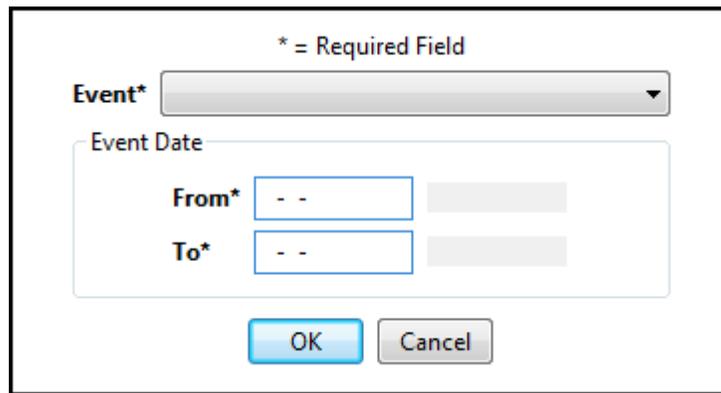
The Event Tracking report is available ONLY to users with System Administrator access. This report may be used to track activity such as additions, deletions and/or modifications which are made to data within the Facility, User, Resident or Assessment screens.

Complete the following steps to run the Event Tracking report:

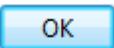
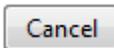
1. Select 'Event Tracking' from the Reports drop-down on the Menu Bar.



2. The 'Event Tracking' criteria selection window displays.



3. Complete the required fields. Required fields display on the screen in bold type with an asterisk.

4. Select the 'OK'  button to generate the report. Selecting 'Cancel'  will close the 'Event Tracking' criteria selection window.

5. To print the report, click the 'Print'  icon on the Report Viewer screen.

6. To save the report, click the 'Save'  icon on the Report Viewer screen.

7. To export the report, click the arrow next to the 'Save'  icon.

8. The following export type values display:

- Export as PDF
- Export as RTF
- Export as Jasper Reports
- Export as HTML
- Export as Single Sheet XLS
- Export as Multi Sheet XLS
- Export as CSV
- Export as XML
- Export as XML with Images

9. Select an export type.
10. Select the location in which you wish to save the report.

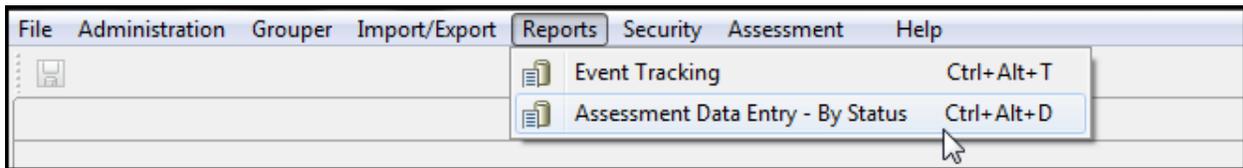
## ASSESSMENT DATA ENTRY – BY STATUS

The Assessment Data Entry – By Status report provides a listing of all assessment records for the chosen status. The following statuses are available in jRAVEN:

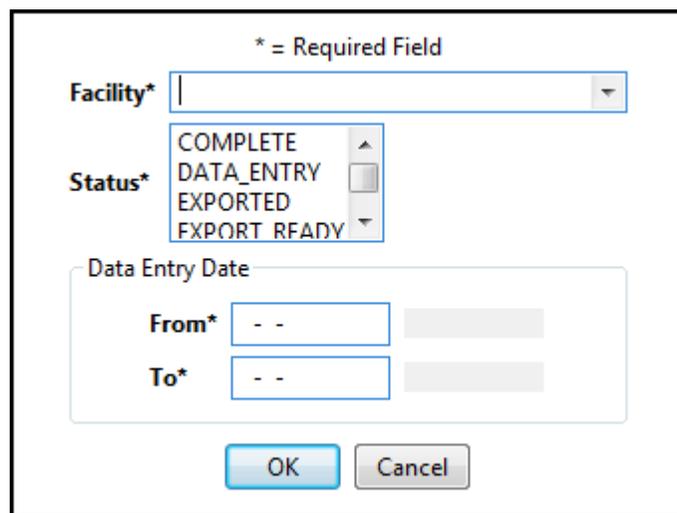
- In Use
- Data Entry
- Complete
- Export Ready
- Exported
- Outdated

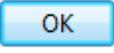
Complete the following steps to run the Assessment Data Entry – By Status report:

1. Select ‘Assessment Data Entry – By Status’ from the Reports drop-down on the Menu Bar.



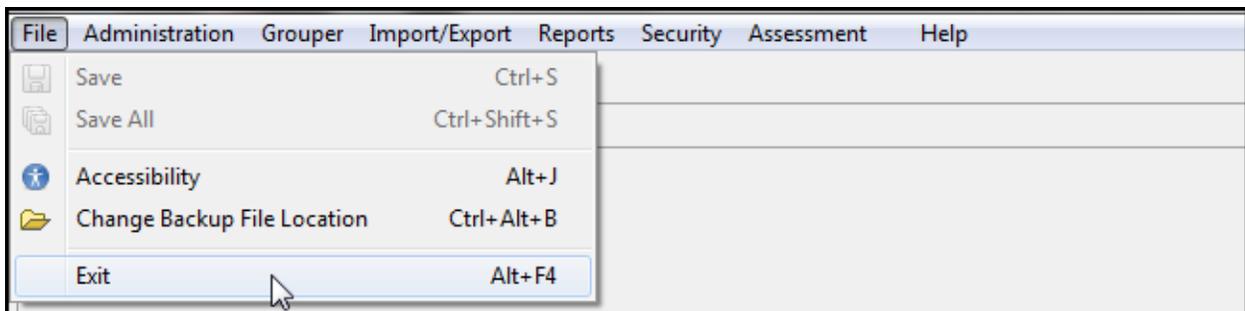
2. The ‘Assessment Data Entry – By Status’ criteria selection window displays.

A screenshot of the 'Assessment Data Entry – By Status' criteria selection window. The window has a title bar with the text '\* = Required Field'. It contains several fields: 'Facility\*' is a dropdown menu; 'Status\*' is a dropdown menu with a list of options: COMPLETE, DATA\_ENTRY, EXPORTED, and EXPORT READY; 'Data Entry Date' is a section containing 'From\*' and 'To\*' fields, each with a date input field and a secondary greyed-out field. At the bottom of the window are 'OK' and 'Cancel' buttons.

3. Complete the required fields. Required fields display on the screen in bold type with an asterisk. To select two or more statuses, hold the Ctrl OR the Shift button on your keyboard while you select or scroll through the list.
4. Select the 'OK'  button to generate the report. Selecting 'Cancel'  will close the 'Assessment Data Entry – By Status' criteria selection window.
5. The Report Viewer screen opens displaying the generated report.
6. To print the report, click the 'Print'  icon on the Report Viewer screen.
7. To save the report, click the 'Save'  icon on the Report Viewer screen.
8. To export the report, click the arrow next to the 'Save'  icon. The following export type values display:
  - Export as PDF
  - Export as RTF
  - Export as Jasper Reports
  - Export as HTML
  - Export as Single Sheet XLS
  - Export as Multi Sheet XLS
  - Export as CSV
  - Export as XML
  - Export as XML with Images
9. Select an export type.
10. Select the location in which you wish to save the report.

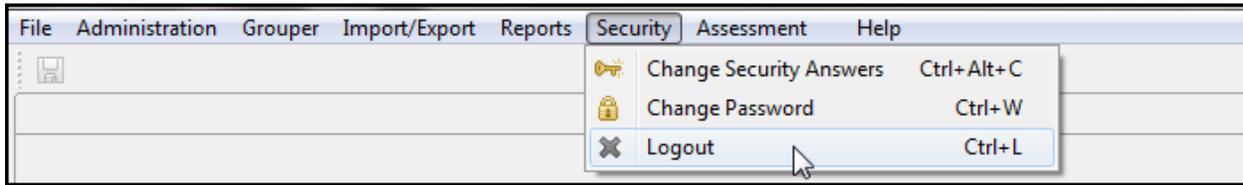
## CLOSE THE APPLICATION

To close the jRAVEN application select 'Exit' from the File drop-down on the Menu Bar. jRAVEN may also be closed by selecting the close icon  in the upper right corner of the screen.



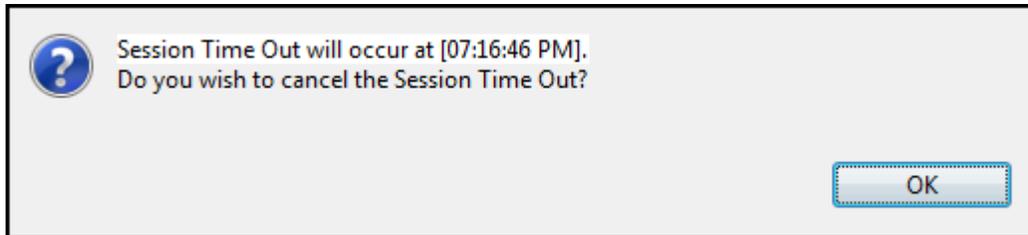
## LOGOUT

To log out and return to the jRAVEN 'Login' screen, select 'Logout' from the Security drop-down on the Menu Bar.



## SESSION TIME OUT

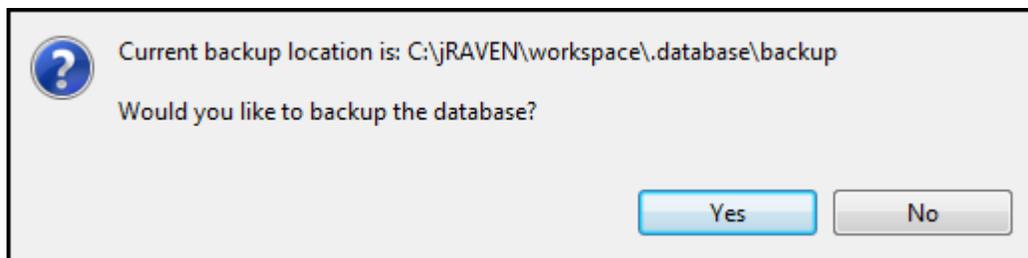
To enhance the security of data stored within the jRAVEN application the system will issue a timeout warning if there has been no activity by the user for ten (10) minutes. The following decision message will be displayed: “Do you wish to cancel the session time out?”



To continue with the session click ‘OK’. If the user does not cancel the session time out prior to 15 minutes of inactivity jRAVEN will close the active screens and return the user to the ‘Login’ screen. If assessment data has been entered but not saved when a time out occurs the application will perform an auto save of the assessment data. Please note that any active [Help Contents](#) windows will not be closed when a session has timed out.

## DATA BACKUP

When closing an active session of jRAVEN the user will receive the following decision message along with a listing of the current backup location: “Would you like to backup the database?”



- Select ‘Yes’ to backup the database and close jRAVEN.
- Select ‘No’ to decline the database backup and close the jRAVEN application.

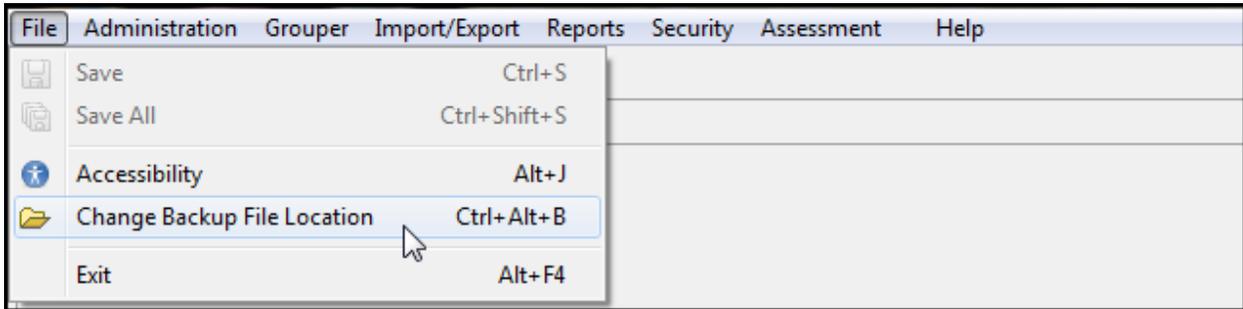
**Please Note:** It is strongly recommended that users backup the database each time new data is entered. If a backup has not occurred in the last seven (7) days, jRAVEN will automatically backup the database when the application is closed.

## CHANGING THE BACKUP FILE LOCATION

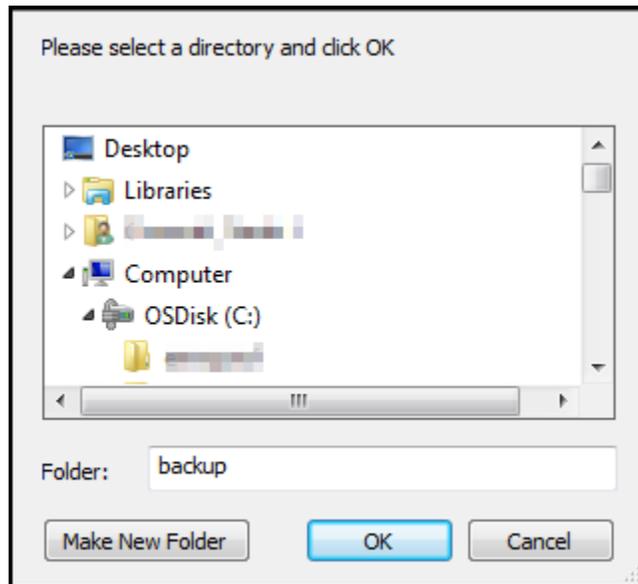
The default location for the database backup is located in a database/backup folder where the application is installed. Only a System Administrator may change the location where the backup will be stored.

Complete the following steps to change the location where the backup will be stored:

1. Select 'Change Backup File Location' from the File drop-down on the Menu Bar.



2. The 'Change Backup File Location' pop-up window displays with the current backup location highlighted.



3. Select the desired backup location.
4. Select 'OK' to set the location and close the pop-up window.
5. Selecting 'Cancel' will close the pop-up window without changing the location of the backup files.

## DATA RESTORE

A database restore requires the assistance of the QIES help desk. In the event of data loss, a System Administrator may perform a data restore using a prior database backup.

When attempting to restore a database using a backup which is older than that of the installed version of jRAVEN the following error message will be displayed: "The version of the backup you selected is older than the current version of

jRAVEN. Please select a backup of the same version.” Select ‘OK’ to return to the ‘Login’ screen and restore using the appropriate backup file.

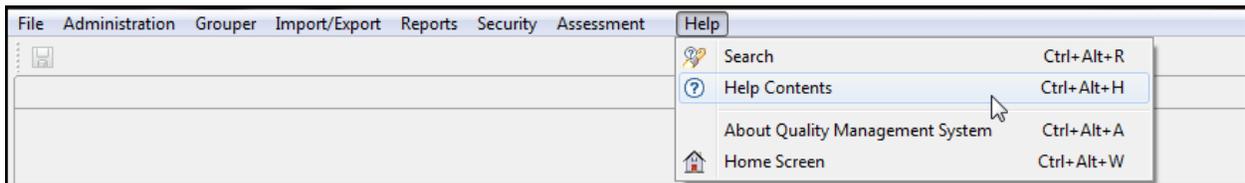
## HELP

Help  icons, including information from the MDS 3.0 RAI Manual, are available throughout the jRAVEN application. While this help text is not intended to replace the RAI manual it provides users with item-specific definitions, instructions and tips for entering data into jRAVEN as well as completing MDS assessments.

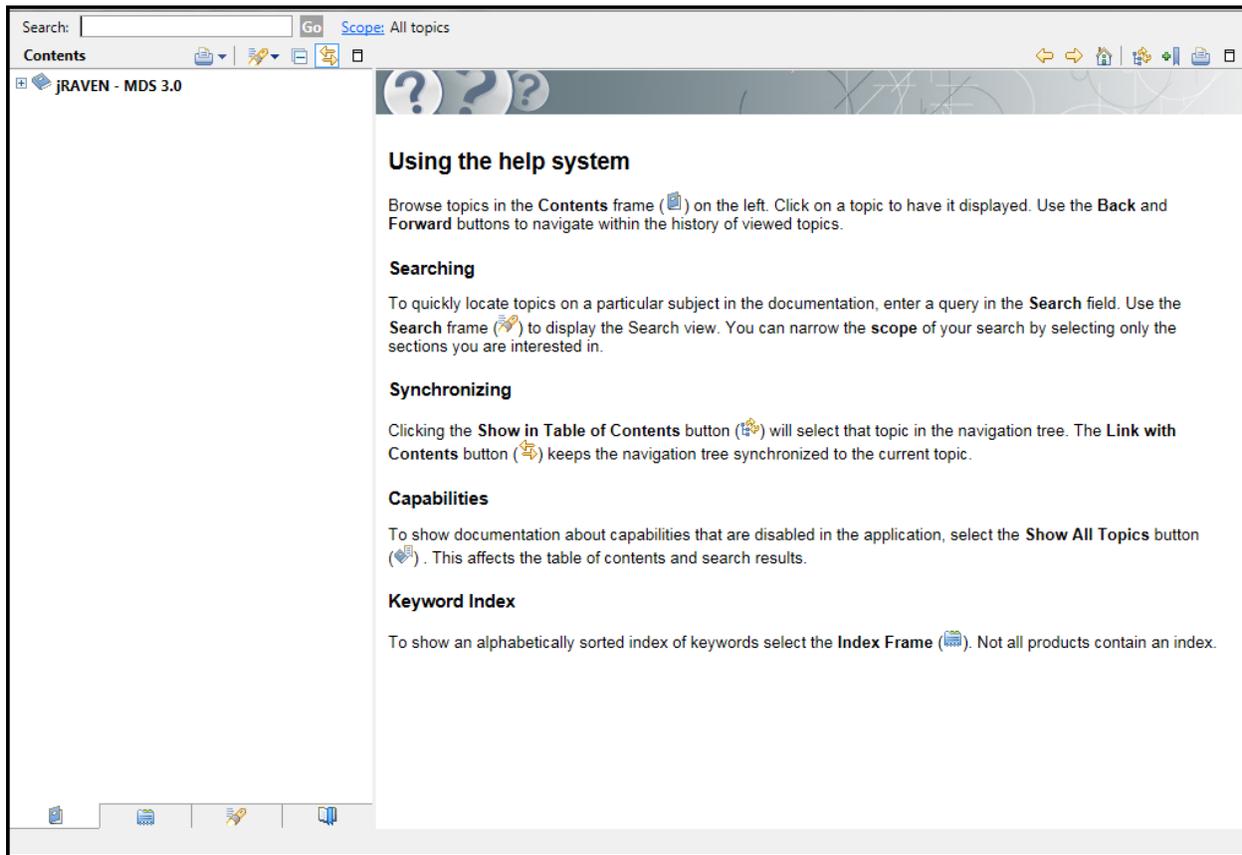
Click the ‘Help’  icons throughout jRAVEN for additional field or item specific information as needed.

Complete the following steps to access help documentation via the Menu Bar:

1. Select ‘Help Contents’ from the Help drop-down on the Menu Bar.



2. The jRAVEN ‘Help’ screen displays. Help contents are available in an expandable drop-down tree format at the upper left corner of the screen.



3. Click the plus sign next to the bold jRAVEN heading to expand the tree for item help by section.

**Please Note:** There will be multiple listings available within the Help Contents. To ensure that users are receiving the accurate item coding instructions please select the MDS 3.0 Item Help effective date which directly corresponds to the effective date of the assessment record being completed.

## QIES Help Desk

For technical support and assistance please contact the QIES Help Desk.

Hours: Monday - Friday 7AM – 7PM CST

Phone: 800-339-9313

Email: [help@qtso.com](mailto:help@qtso.com)

Website: <https://www.qtso.com>