**Perceptive Reach**

**Integrated Reach Database System**

**(IRDS)**

**Release Notes**



**Department of Veterans Affairs**

**May 2016**

Version 2.7

Revision History

| Date | Version | Description | Author |
| --- | --- | --- | --- |
| 5/23/2016 | 2.7 | Management review with minor updates throughout | Matthew Robinson |
| 5/17/2016 | 2.6 | Updated the description for ticket PR-4090 in the Remaining Defects table. | Kaitlin Reskovac |
| 5/16/2016 | 2.5 | Added bugs to the “Remaining Defects” table in section “2.2. Remaining Defects” | Kaitlin Reskovac |
| 5/9/2016 | 2.4 | Updated the title page, page headers, and page footers to reflect the correct month  Added section “2.3.6. Dashboard Export Functionality”  Added ticket PR-4088 to the “Remaining Defects” table. | Kaitlin Reskovac |
| 4/11/2016 | 2.3 | Updated section “2.3.1. Data Entry Widget” | Kaitlin Reskovac |
| 4/6/2016 | 2.2 | Updated Data Entry Widget screenshot in section “2.3.2. Data Entry Widget”  Added section “2.3.7. Exporting from the Dashboard” | Kaitlin Reskovac |
| 4/5/2016 | 2.1 | Updated Data Entry Widget screenshots in section “2.3.2. Data Entry Widget” | Kaitlin Reskovac |
| 4/4/2016 | 2.0 | Updated title page, page headers, and page footers to reflect the correct month | Kaitlin Reskovac |
| 4/1/2016 | 1.9 | Added sections ‘2.3.3. Prevent Roster widgets from being deleted’, ‘2.3.4. Help Desk Information’, ‘2.3.5. Clinical Care Supervisor (CCS) IRDS user role’, ‘2.3.6. Dashboard Update Date Indicator’ | Kaitlin Reskovac |
| 3/31/2016 | 1.8 | Added user story to section “2.1. Defects Fixed Since Last Release” | Kaitlin Reskovac |
| 3/16/2016 | 1.7 | Updated sections “2.1 Defects Fixed since Last Release” and “2.1 Remaining Defects” | Kaitlin Reskovac |
| 2/18/2016 | 1.6 | Updated section “2.3.1. Attempt Prediction Chart Widget” | Kaitlin Reskovac |
| 2/16/2016 | 1.5 | Updated title page to reflect correct version number  Updated items in sections “2.1. Defects Fixed Since Last Release” and “2.2. Remaining Defects” | Kaitlin Reskovac |
| 1/25/2016 | 1.4 | Updated section “Defects Fixed Since Last Release”  Removed sections “2.4.3. 508 Compliance – Resizing Widgets”, “2.4.4. 508 Compliance – Moving Widgets” and “2.1 Remaining Tasks” | Kaitlin Reskovac |
| 1/20/2016 | 1.3 | Updated sections “2.2 Defects Fixed Since Last Release” and “2.3 Remaining Defects”  Added sections “2.4.2. Data Entry Widget” and “2.4.4. 508 Compliance – Moving Widgets” | Kaitlin Reskovac |
| 12/15/2015 | 1.2 | Added sections “2.4 New Features”, “2.4.1 Facility Surveillance Widget”, and “2.4.2 508 Compliance – Resizing Widgets” | Kaitlin Reskovac |
| 12/10/2015 | 1.1 | December 2015 update and review for new features | Kaitlin Reskovac |
| 9/15/2015 | 1.0 | Final Review | Paul Bradley/Monica Mohler |
| 9/13/2015 | .3 | Additional issue added | Matthew Robinson |
| 9/11/2015 | .2 | Formatting update and peer review | Matthew Robinson / Kaitlin Reskovac |
| 9/11/2015 | .1 | Initial Draft | Jaya Rao |

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## 1. Introduction

The Perceptive Reach Integrated Reach Database System (IRDS) innovation project proposes to combine technology, outreach, and clinical support to realize a clinically based data-driven early intervention and treatment solution aimed at Veteran suicide prevention.

This release corresponds to minor release PerceptiveReach1.3 of the Perceptive Reach Integrated Reach Database System option year and associated functionalities.

## Purpose

The purpose of this document is to identify and describe the remaining bugs or known behaviors in the Perceptive Reach IRDS software. It summarizes the defects remaining as of December 2015. Reference the documents listed in [Section 1.3](#_Related_Documents) for a full summary of the features and functionality included in this release.

## Scope

The scope of this release includes the initial development effort of the Perceptive Reach option year, which spans Atlassian JIRA tickets from requirements and conceptualizing through 508 compliance remediation and release.

## Related Documents

The documentation for the Department of Veterans Affairs (VA) Perceptive Reach Integrated Reach Database System includes:

* **Perceptive Reach Installation Guide**: Provides detailed instructions for setting up, installing, and configuring Perceptive Reach on VA servers. Its intended audience includes server administrators and AngularJS application developers.
* **Perceptive Reach System Design Document**: Contains detailed information on the design considerations as well as architecture for VA Perceptive Reach and related applications.
* **Perceptive Reach Developer Guide**: Contains detailed information about workstation setup, authentication, continuous integration, JIRA, Structured Query Language (SQL) Server, and code base details.
* **Perceptive Reach User Manual**: Describes all end user-facing features of the application and underlying functionality.
* **Perceptive Reach Release Notes** (this document):Contains detailed information about the scope of this release and remaining defects slated for resolution in the next release.

## **Acronyms and Definitions**

**Table 1: Acronyms and Definitions**

|  |  |
| --- | --- |
| Acronym | Description |
| CDW | Corporate Data Warehouse |
| EUT | End User Testing |
| IRDS | Integrated Reach Database System |
| SPC | Suicide Prevention Coordinator |
| SQL | Structured Query Language |
| VA | Department of Veterans Affairs |
| VAMC | VA Medical Center |
| VHA | Veterans Health Administration |
| VistA | Veterans Health Information Systems and Technology Architecture |

## 2. Technical Release Notes

At the close of the Perceptive Reach IRDS software development, select tasks were left for the next release. While there were no defects considered “critical” to functioning of the system left at the close of development, defects discovered after the close of the code freeze during testing or those considered “non-critical” are documented below as known defects.

## 2.1 Defects Fixed Since Last Release

This table is updated to describe defects resolved as part of the release.

**Table 2: Defects Fixed**

| **Key** | **Summary** | **Description** |
| --- | --- | --- |
| PR-3099 | Appointment Type Does Not Appear in Appointment Widget | Previously, the appointment type was not displayed in the appointment widget.  The appointment type now appears in the widget. It will also indicate the reason for the appointment. For example, the widget will display if the Veteran’s appointment is related to: primary care, psychological care, surgery, specialty care, etc. |
| PR-3086 | Unable to sort the Outreach Status column on the Patient Roster by VAMC widget | Previously, the user was unable to sort the "Outreach Status" column on the Patient Roster by VAMC widget.  The “Outreach Status” column in this widget can now be sorted by selecting the “Outreach Status” title in the Patient Roster by VAMC widget. |
| PR-3318 | Outreach Status Null Value | Previously when the outreach status field loaded, statuses with no selections would load as “null” and an error was thrown to the background. This error prevented the “Outreach Status” column from sorting correctly.  Now, outreach statuses with no selection do not appear as a “null” value and the “Outreach Status” column can sort correctly. |
| PR-3010 | Refreshing Page deletes Recent Changes made | Previously when the user added new widgets to a dashboard, saved their changes, and then refreshed the page, the recently saved changes were deleted.  Now when the user saves their dashboard changes, these changes remain after the page is refreshed. |
| PR-3333 | 508 Compliance- Widget Resize: Handle keyboard arrow events for widget resizing. | Previously, the user was not able to resize widgets in the Dashboard using only their keyboard.  Users now have the ability to resize all widgets solely by using the tab and arrow keys on the keyboard. |
| PR-3337 | 508 Compliance- Moving Widgets - Use keyboard to move widgets. | Previously, the user was not able to move widgets in the Dashboard using only their keyboard.  Users now have the ability to move all widgets solely by using the tab and other keys on the keyboard. |
| PR-2176 | Resizing table widgets creates unused white space in the widget area. | Previously, the data inside a widget would not expand or resize when a user resized the height and/or width of a widget. This resulted in unused white space in the widget area.  Now, when a user resizes a widget, the data inside the widget also resizes and expands. This resizing minimizes unused white space in the widget area. |
| PR-3461 | Column Content and Header Alignment | Previously when a user expanded the width of a widget, the column headers spread out faster than the data in the column itself, causing the headers and the data to appear misaligned visually.  Now the column headers are aligned to the column content when widgets are resized. |
| PR-3002 | Adding the Same Widget Multiple Times | Users were previously able to add multiple instances of the same widget, which could be confusing from a user experience perspective.  This functionality has now been removed and the user is not able to add the same widget multiple times to the Dashboard. |
| PR-3531 | Add VAMC Name (Instead of Number) | Currently, the Dashboard shows the VAMC "number" when a user puts a VAMC into view, instead of the VAMC name.   The VAMC name and number now display on the IRDS Dashboard when a VAMC is selected. This change has been applied to all relevant Dashboard views (Individual view and Surveillance view). |
| PR-3530 | No "X" In the Top Right of Widgets | Currently, widgets do not display an "X" in the upper right corner of each widget.  The “X” icons are now displayed in the upper right corner of each widget. |
| PR-3095 | The user is unable to select the VAMC and VISN under the Surveillance View on the VISN roster as well as Facility roster widget with tab key (IE11). | Previously, the user was unable to select a VAMC and VISN in the Surveillance view using the tab key on the keyboard.  This functionality is now available to users. Users can select a VAMC or VISN in the Surveillance view using the tab key. |
| PR-3092 | On Initial Load, the "Outreach Status" column loads data for the entire data set and not just the SPC user. | Previously when a user logged in to the system, the Outreach Status widget would display data for the entire dataset, not just for the facility the user was assigned to.  Now when a user logs in to the system, the Outreach Status widget only displays data for the facility that user is assigned to. |
| PR-3049 | Focused fields have a blue box around them. | Previously, when a user clicked on a container on certain pages, a blue box appeared around it.  The blue boxes have been removed so the user will no longer see them. |
| PR-4011 | Resizing of VISN Roster Widget has issues | Previously when the user resized the Roster widgets to be extremely large, the widgets would overlay and not move properly.  A maximum height has been set so users can no longer resize widgets to extremely large sizes and the issue previously experienced no longer occurs. |
| PR-4012 | Remove Widget Title as Not Editable | Previously, two titles appeared in the title bar of each Dashboard widget. The second widget title is not editable and should be removed.  The second widget title was removed and now only one title appears for each widget. |
| PR-4088 | Supervisor-level user cannot view data on the Dashboard | Previously, a Supervisor-level user was having multiple issues accessing and viewing data in the IRDS Dashboard.    Virtual scrolling was implemented on the Patient by VAMC Roster widget on the Individual view to resolve the previous performance issues. |

## 2.2 Remaining Defects

**Table 3: Remaining Defects**

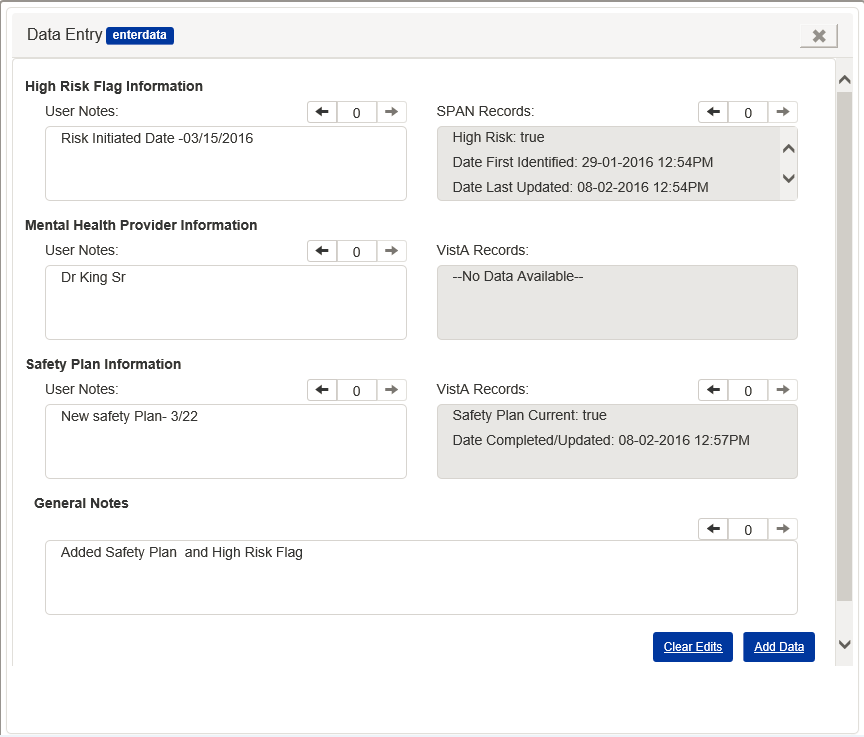
| **Key** | **Summary** | **Description** | **Priority** |
| --- | --- | --- | --- |
| PR-2973 | Clinical Decision Support Widget shows TOP and MIDDLE info for two seconds and then only shows MIDDLE info. | The Clinical Decision Support widget at first shows both TOP and MIDDLE info for 1-2 seconds before showing only MIDDLE info. | Trivial |
| PR-3068 | Surveillance View Bug Remediation | When the user selects a VISN/Facility in the Surveillance view, then switches to the Facility View their selections in the Surveillance view are not saved and the Facility/VISN rosters do not properly display the user’s selections. | Major |
| PR-3225 | Blue Widget Titles are not readable | When a widget is resized, the blue widget titles do not fit in the allotted space and the title is cut off, making it unreadable. | Minor |
| PR-2185 | Widget title repeats in a header style text and also a bold/bubble text | The widget titles on the Dashboard repeat in a header style text and also a bold/bubble text. | Trivial |
| PR-4090 | Data Table Error in Appointment Widget | When a Supervisor selects a Veteran on the Individual View no data or headings appear in the Appointment widget. | Medium |
| PR-4014 | Refresh to Browser goes to default Facility and VISN associated to the User | If a VISN and/or Facility is selected and the browser is refreshed, the default Facility and/or VISN associated to the User gets selected instead of the previously selected sites. | Minor |
| PR-4013 | Add Facility Name to the Toolbar for Individual View | Currently, the facility name is not listed on the Individual View in the upper left corner. | Minor |
| PR-4010 | Research the delete symbol for the Roster Widgets | The new symbol in the upper right corner in the VISN and Facility roster widgets is confusing. It looks like the standard "move" symbol, yet when I click on it or try to grab the widget nothing happens. Product owner suggests removing the symbol all together and leaving the area blank. | Minor |
| PR-4009 | Roster Widgets Scroll down and not to the selection | In all the Views after the ‘Clear’ button is selected the widgets in the view are removed. When the user clicks the Default Widgets button, the Roster widgets scroll down to a place in the list that does not include the most recent selection. This forces the user to scroll back up to their previous selection. | Minor |
| PR-4008 | VISN and Facility selections do not carry over to a different View | When a Supervisor selects a VISN and Facility, and then goes to the Facility View, the selections made in the Surveillance View do not carry over. | Minor |
| PR-4007 | Issues with Age Group Widget | In the Facility View, the Age Groups Data widget does not update when different facilities are selected in the Facility Roster widget. However, if the Age Group Data widget is removed and added back, the widget updates. If the user selects a VISN or Facility in the Surveillance view and returns to the Facility View, the Age Groups Data widget updates. | Minor |
| PR-4006 | Facility View has a lot of whitespace and misalignment when maximizing | Facility View widget has a lot of whitespace and misalignment when the widget is resized. | Major |
| PR-4005 | Errors when clicking Default Widget more than once | If the Default Widget button is clicked multiple times the following errors occur:   1. Multi colored dotted pattern is visible in the Top Mid Risk Data widget. 2. The Outreach Status Data widget appears empty but after refreshing a couple of times the widget populates. | Medium |
| PR-3957 | Name of the Files Exported from the Dashboard | All files exported using the enhanced printing functionality all have the same name (Perceptive Reach Dashboard.csv) by default. After saving the file, the user will have to change the name of the file manually. | Minor |
| PR-3956 | Outreach status values in the exported Roster Table Spreadsheet are complicated | When the Roster Table is exported into a Spreadsheet, the Outreach status values are confusing on the spreadsheet. (see below)  3 Not ContactedOutreach InitiatedOutreach Attempted – No ResponseServices RefusedNo Additional Outreach Required | Minor |

## 2.3 New Features

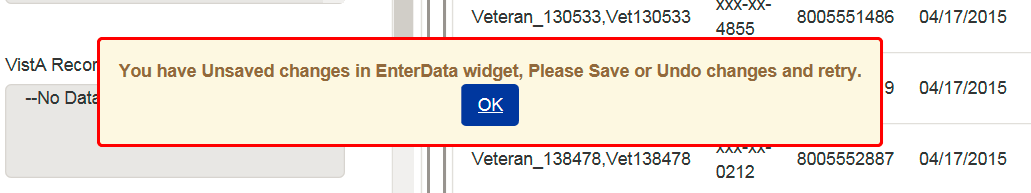
The content below describe new features incorporated in this release.

### 2.3.1. Data Entry Widget

An update to the Data Entry widget has been added to the IRDS dashboard since the last release. The Data Entry widget is located on the Individual view and is available to all users. This widget introduces an data entry and reporting component to the IRDS Dashboard allowing users to enter and save patient-related information in the IRDS Database. The Data Entry widget displays information entered by the user and official information from the systems of record. System of record data in this widget is updated on a monthly basis. Free-text areas in the Data Entry widget are limited to 128 characters to prevent users from accidentally creating excessively large entries. Users have the ability to view historical records in the Data Entry widget by selecting the left and right arrows adjacent to each text area. When the user hovers their mouse over the number between the arrows, hover-over text (alt-text) appears displaying the date when that note was last updated. This allows the user to know how recent the data is. If a user attempts to select a different Veteran in the Patient by VAMC Roster widget before saving their changes in the Data Entry Widget, a pop-up message will appear, as highlighted in **Figure 3**. The pop-up message informs the user that they must either save or clear their changes in the Data Entry widget before selecting a new Veteran from the Patient by VAMC Roster widget.



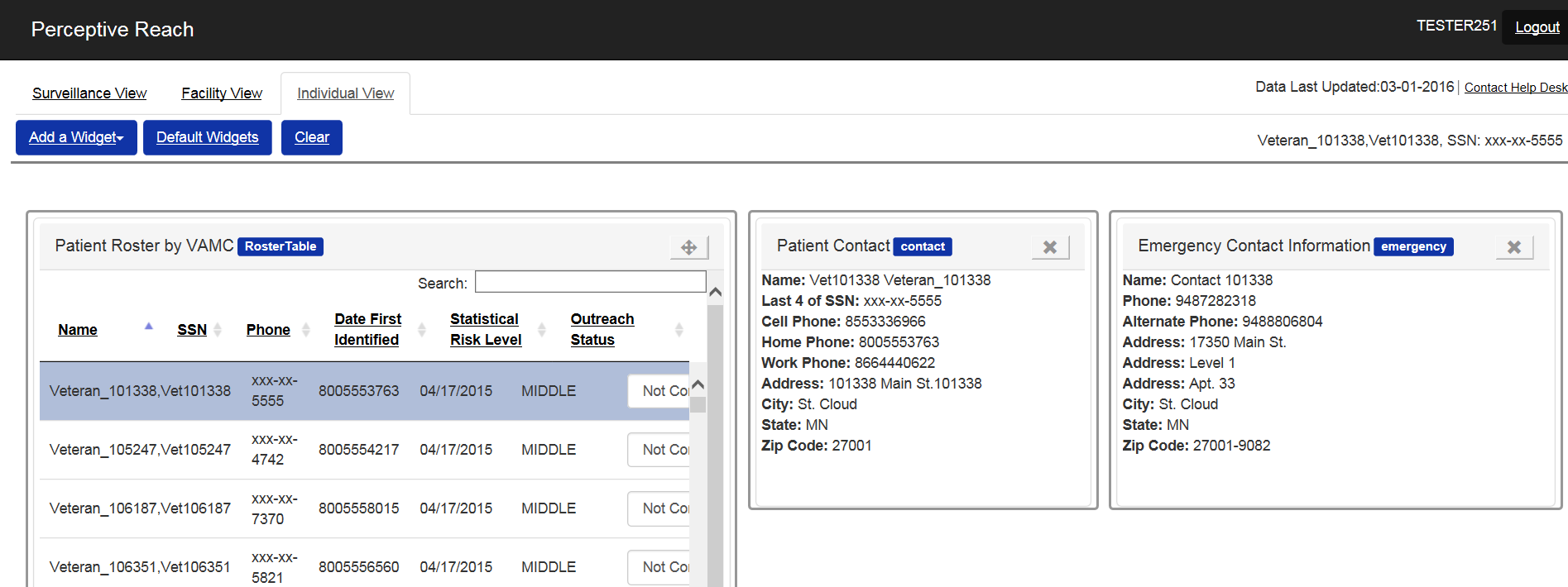
**Figure 2: Data Entry Widget**



**Figure 3: Data Entry Widget Pop-up Message**

### 2.3.2. Prevent Roster widgets from being deleted

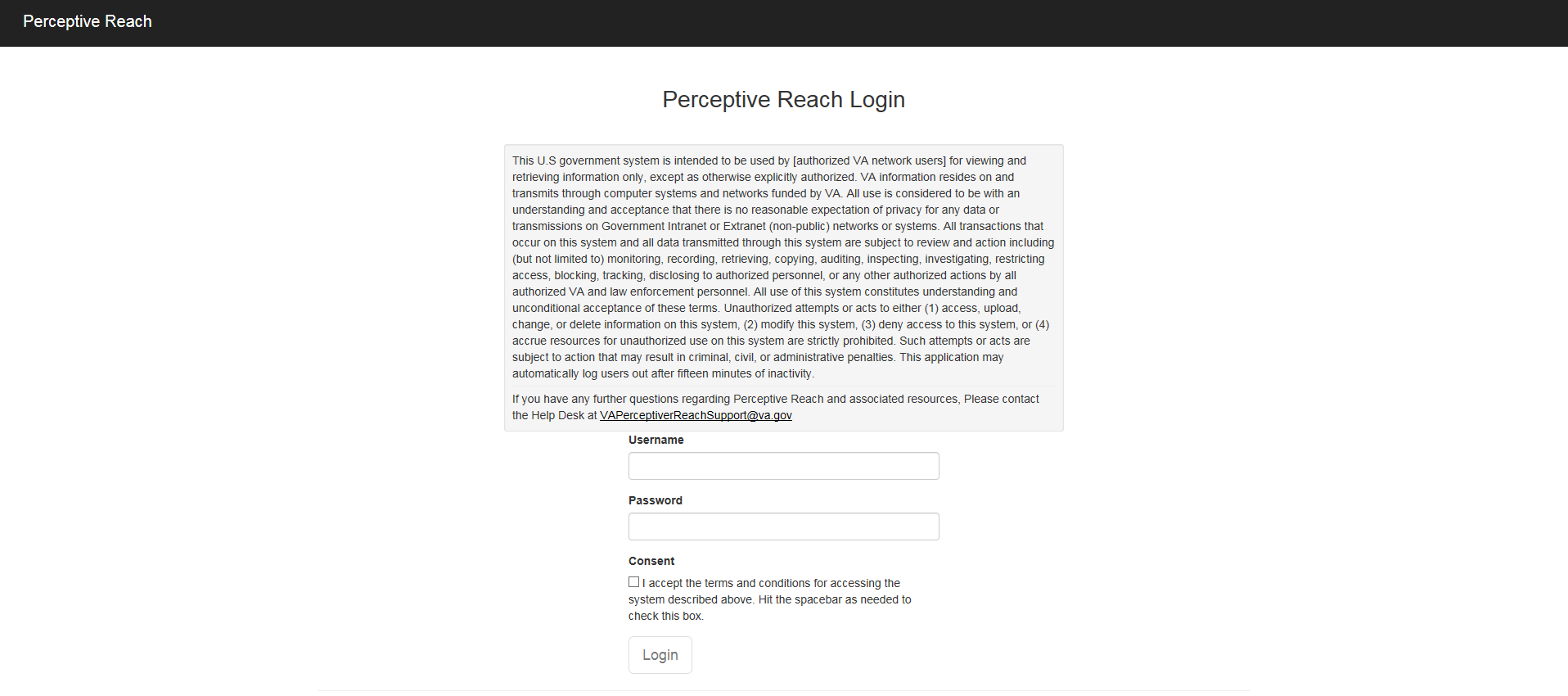
The ability for a user to delete Roster widgets (Patient by VAMC, Facility, and VISN) from any Dashboard view has been removed from the system since the last release. These widgets are essential for the other Dashboard widgets to function correctly, therefore they should not be deleted. A new icon has been added to the top right corner of each Roster widget. Instead of an X, the user will see an arrow split in four directions, as seen in **Figure 4**. This new icon indicates to the user that this widget cannot be removed from the Dashboard.



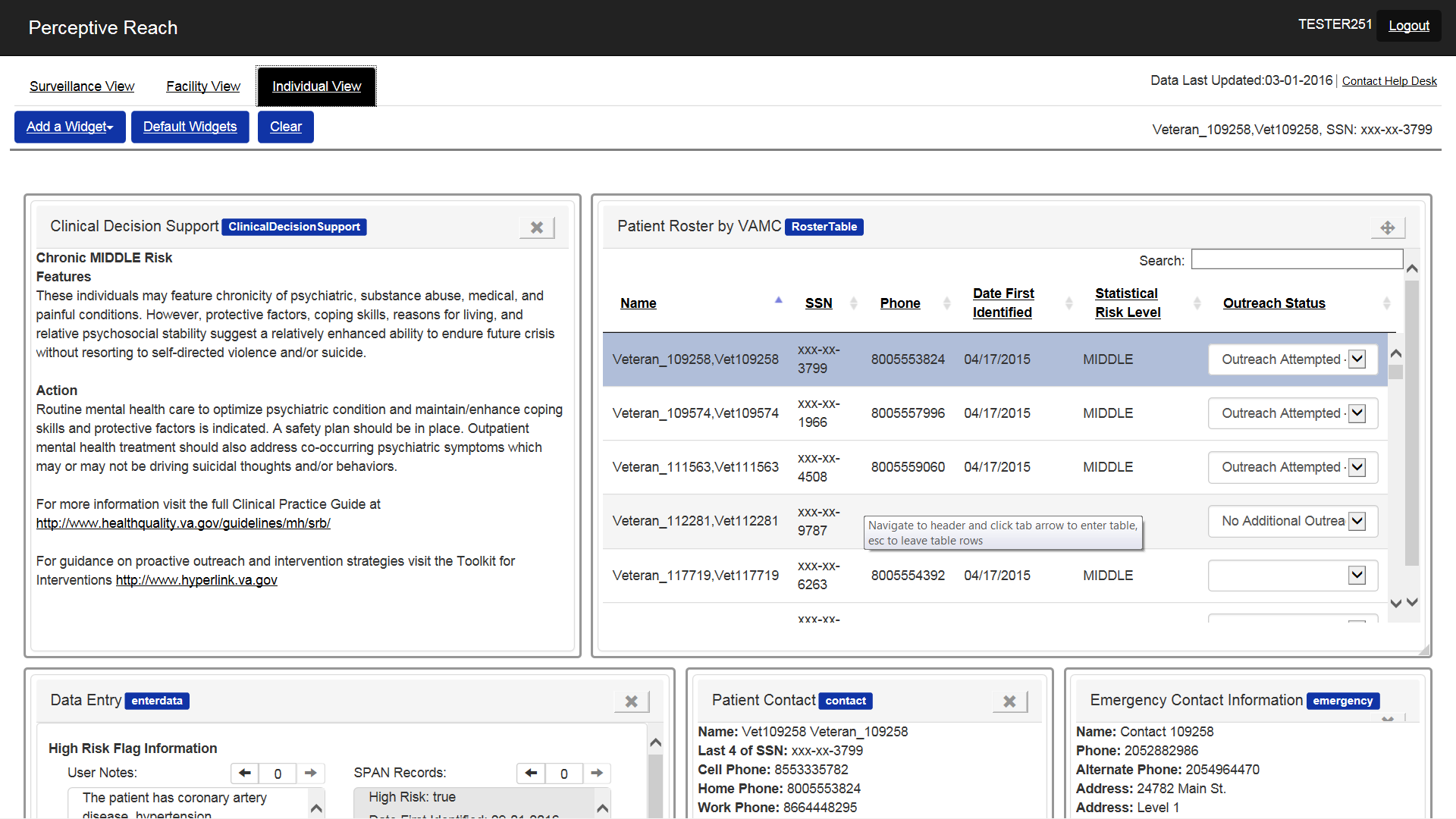
**Figure 4: Patient by VAMC Roster Widget**

### 2.3.3. Help Desk Information

Since the last release, Perceptive Reach help desk information was added to the login page and the IRDS Dashboard. Instructions for accessing the help desk are included on the login page directly under the original text that appears in the center of the screen, as highlighted in **Figure 5**. A help desk email-compatible link was added to the Dashboard in the upper right corner, directly below the logout button. When the user selects this link, it automatically creates a draft email in the user’s email system with the Perceptive Reach help desk email address auto-populated in the recipient field. The help desk email link in the Dashboard is highlighted in **Figure 6**.



**Figure 5: Help Desk Information on the Login Screen**



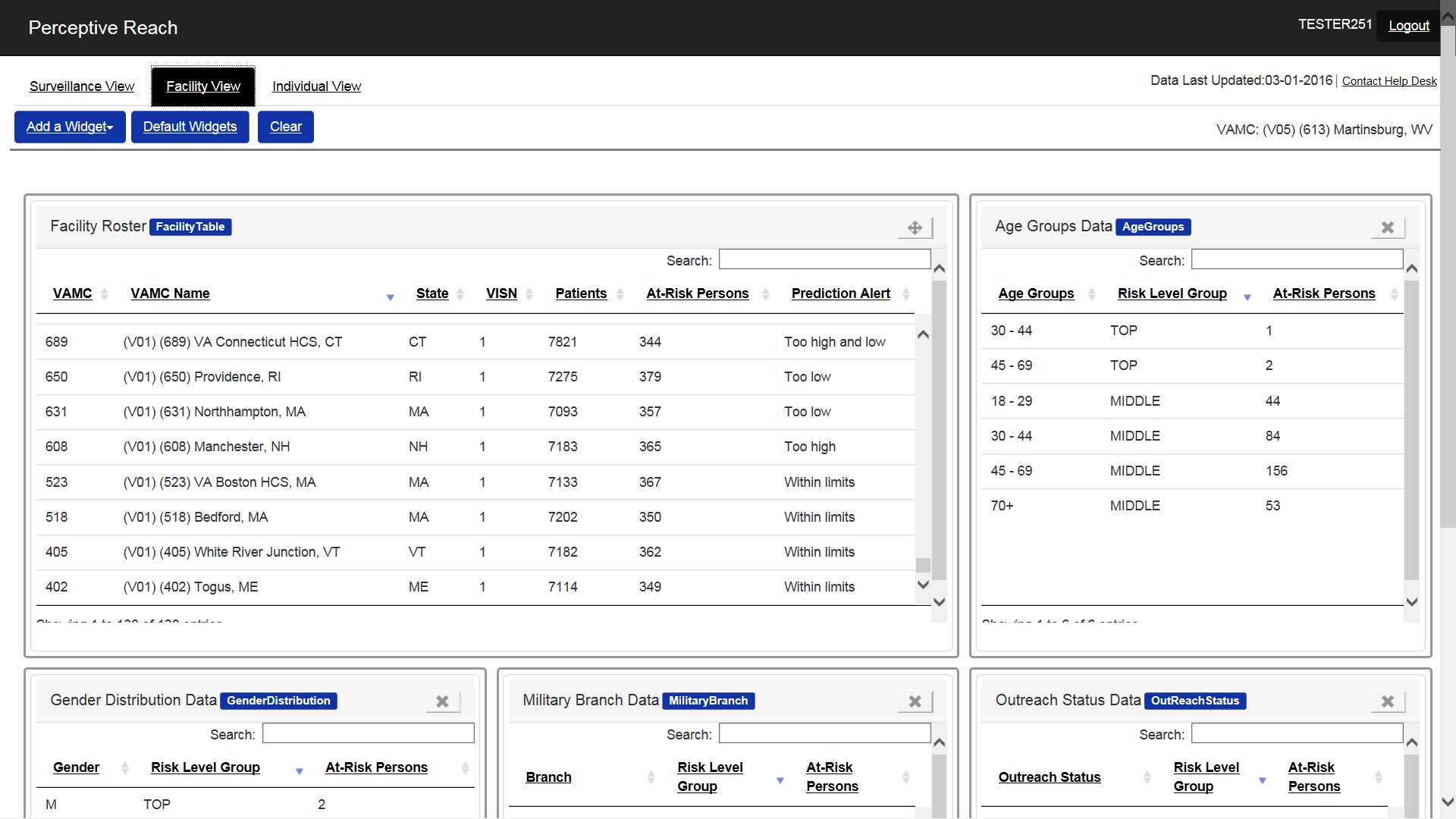
**Figure 6: Help Desk Link in Dashboard**

### 2.3.4. Clinical Care Supervisor (CCS) IRDS user role

Since the last release, the Clinical Care Supervisor (CCS) role has been added to the IRDS system. A user mapped to the CCS role is someone at the VISN or regional level that needs to access data for multiple facilities where they are assigned. This user role was created to give a user access to multiple facilities without giving them access to all facilities, as they would have in the Supervisor role.

### 2.3.5. Dashboard Date Indicator

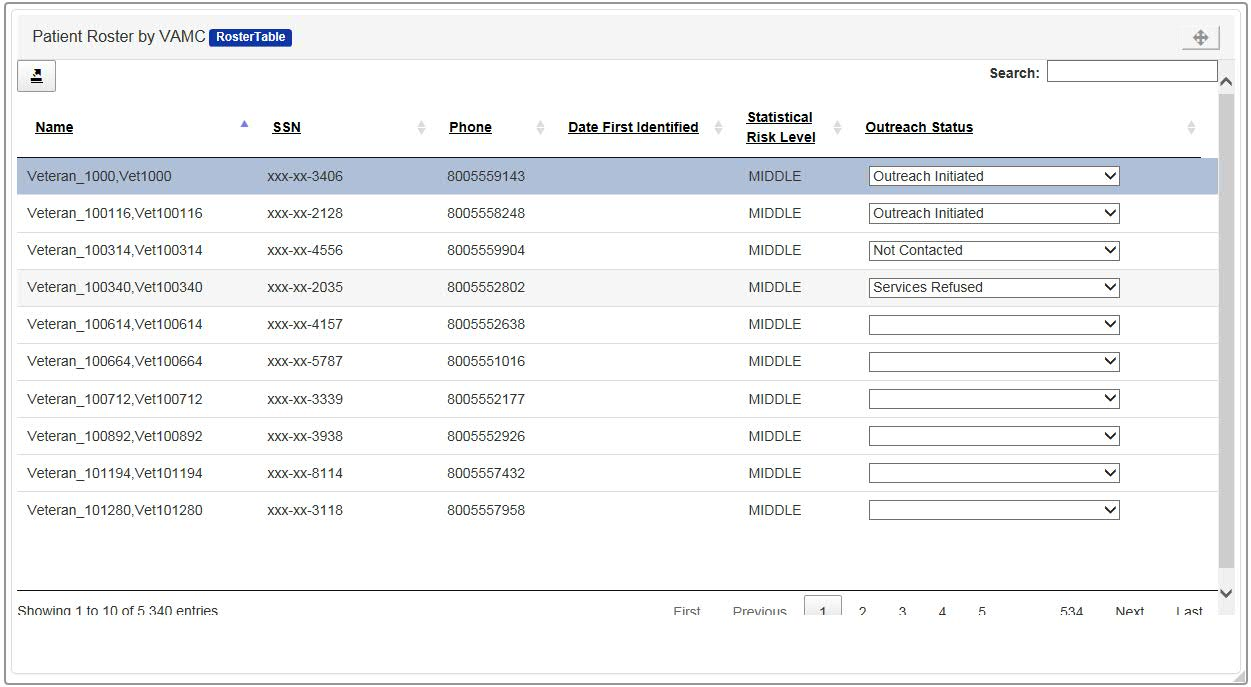
Since the last release, a date stamp was added to the IRDS Dashboard. This date stamp indicates the date when Veteran risk scores were last calculated and when the data on the Dashboard was last updated. This date is displayed to the left of the help desk link and below the logout button in the top right corner of the Dashboard screen, as highlighted in **Figure 7**. This date stamp lets the user know how recent the data is and can be seen from all IRDS Dashboard views (Individual, Facility, and Surveillance).



**Figure 7: Dashboard Date Indicator**

### 2.3.6. Dashboard Export Functionality

Export functionality was added to the Dashboard since the last release. This functionality allows users to export Roster widget data as an Excel file that can be saved locally and printed. Users begin the export process by selecting the export icon that appears in the top left corner of the Roster widgets, as highlighted in Figure 8 below. After selecting this button, users are prompted to either save or open the Excel file.



**Figure 8: Dashboard Export Functionality**

## Appendix A. Priority Definitions

The table below defines the criteria used in the defect descriptions in this document.

**Table 4: Priority Definitions**

|  |  |
| --- | --- |
| **Priority Level** | **Description** |
| Blocker | Critical functionality not implemented correctly; user cannot meet the business objectives; a work-around (temporary fix) is ***NOT*** available |
| Critical | Errors found which result in the user not being able to meet the business objectives; a work-around (temporary fix) is available |
| Major | This is a moderate defect, which can cause some deviations from the requirements; deviation is not serious and does not require a work around |
| Minor | Minor defect, which causes the user some inconvenience but does not alter functionality (e.g. spelling error, user interface [UI] issue, aesthetics, or other minor issues) |
| Trivial | Cosmetic problem like misspelled words or misaligned text |