**Perceptive Reach**

**Integrated Reach Database System**

**(IRDS)**

**Software Release Version Number 1.4**

**Release Notes**



**Department of Veterans Affairs**

**September 2016**

Version 3.0

Revision History

| Date | Version | Description | Author |
| --- | --- | --- | --- |
| 9/2/2016 | 3.0 | Management review with minor updates throughout | Matthew Robinson / Moira McCarthy |
| 9/2/2016 | 2.9.1 | Updated technical update information and re-ordered defects / new features section. | Matthew Robinson |
| 9/1/2016 | 2.9 | Updated with 1.4 Release information | Moira McCarthy |
| 8/17/2016 | 2.8 | Updated title page, page headers, and page footers to reflect the correct month. | Kaitlin Reskovac |
| 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 release PerceptiveReach1.4 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 September 2016. 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

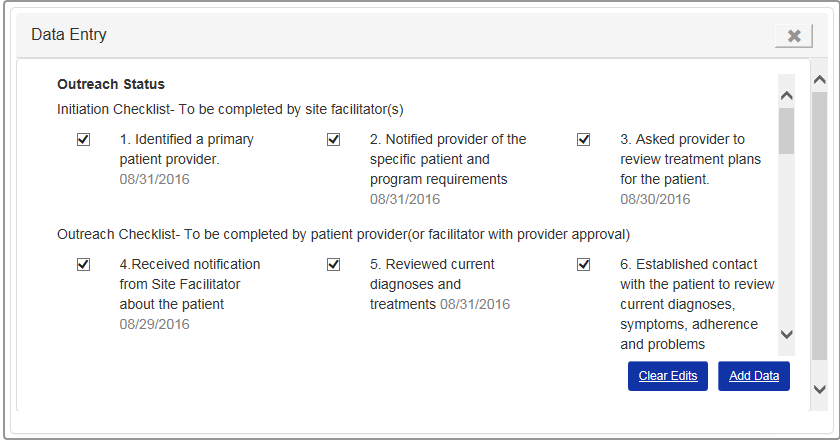
The following sections describe updates to the system since the last deployment of v1.3.

## 2.1 New Features

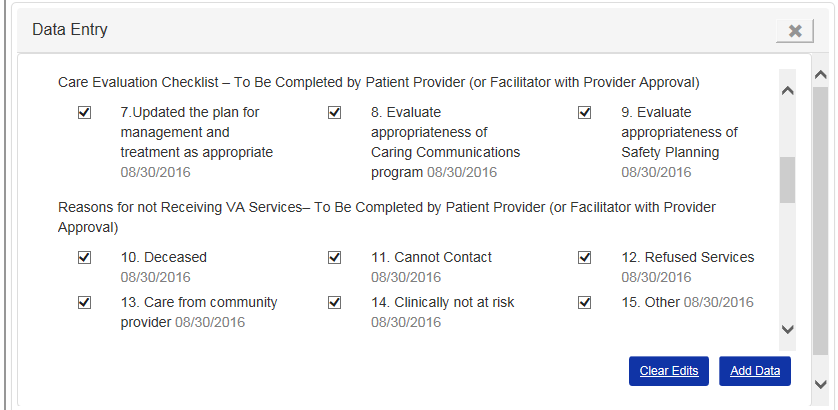
The content below describe new features incorporated in this release.

### 2.1.2. Data Entry Widget- Outreach Status Checklist

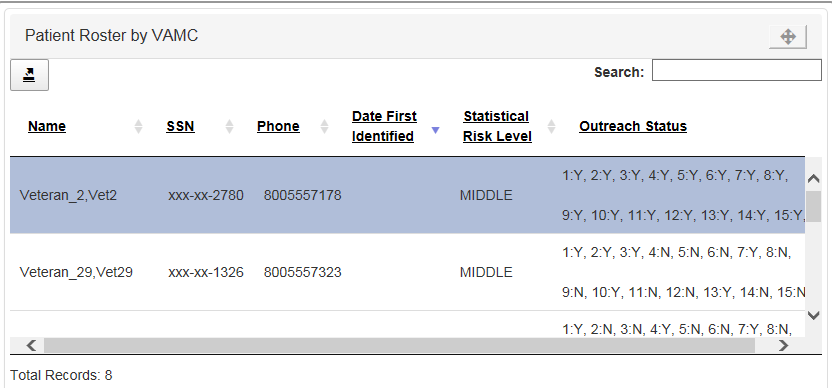
A number of updates to the Data Entry widget have been added to the Dashboard since the last release. The Data Entry widget is located on the Individual view and is available to all users. This widget now includes an Outreach Status checklist system for care providers to complete, as seen in **Figure 1.** Each section in the checklist corresponds to a phase of the Veteran outreach process, and there are multiple steps within each section that outline specific actions that must be completed. There is also a section for providers to indicate reasons that a Veteran is not receiving VA services, as seen in Figure 2. When a provider marks an item complete by clicking the check box to the left of the item, the system will automatically record the date of completion underneath the item, as seen in **Figures 1 and 2.** This new system of indicating a Veteran’s outreach status is reflected in the Patient Roster by VAMC widget, which now includes a new format for the Outreach Status column, as seen in **Figure 3.**



**Figure 1: Outreach Status Checklist**



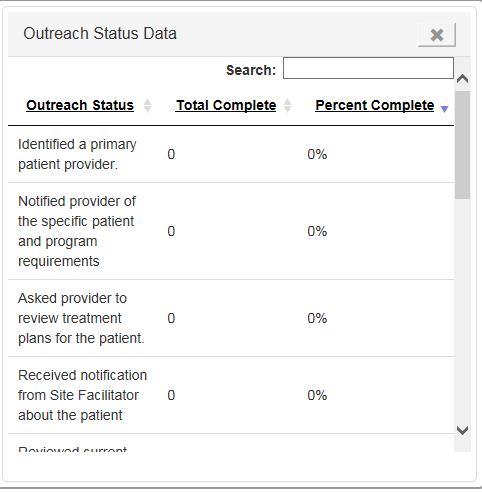
**Figure 2: Reasons for Not Receiving VA Services**

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**Figure 3: New Outreach Status column format**

### 2.1.3. Outreach Status Data summary widget

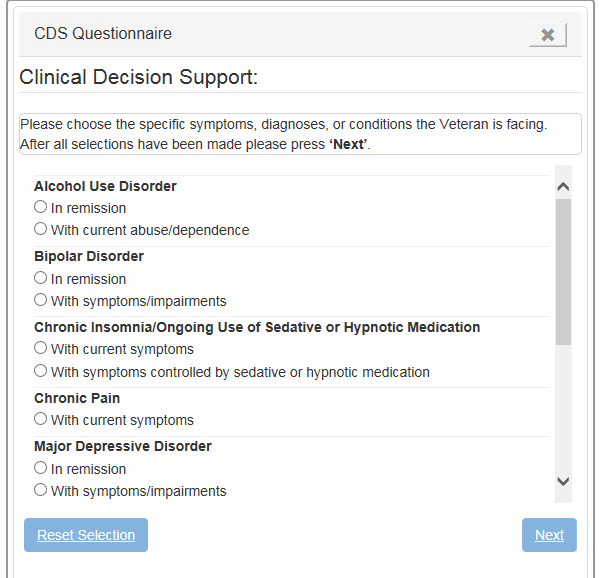
Since the last release, the Perceptive Reach dashboard has been updated to include a new widget on the Surveillance and Facility Views page that summarizes the Outreach Status Checklist data for facilities. The Outreach Status Data widget provides a summary view of each item in the Outreach Status Checklist, and includes both total items complete and percentage complete, as seen in **Figure 4.** Only users with supervisor level access to the dashboard will see the Surveillance View, and therefore the widget itself on the Surveillance View. This widget aggregates the data from specific facilities, and the total complete and percent complete columns refer to the overall data from the entire facility.



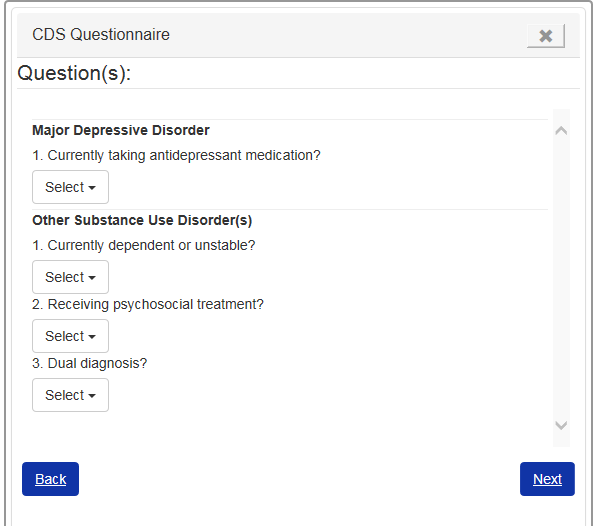
**Figure 4: Outreach Status Data widget**

### 2.1.4. Clinical Decision Support (CDS) Questionnaire widget

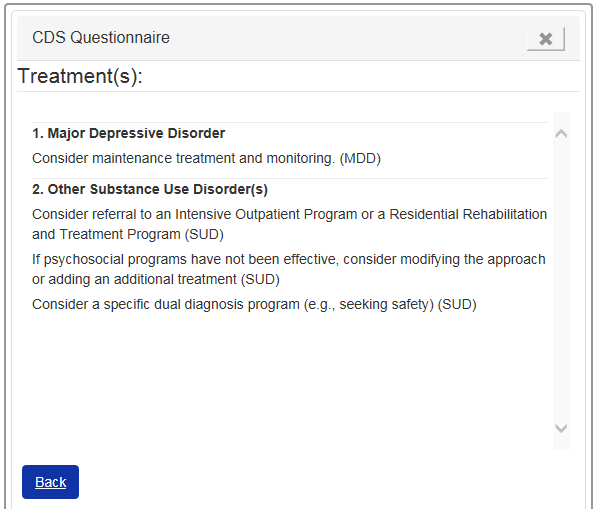
Since the last release, the Perceptive Reach dashboard has been updated to include a new widget that provides a questionnaire for providers to fill out and receive tailored clinical decision support for their patients. The Clinical Decision Support (CDS) Questionnaire widget consists of three screens, the first of which asks the provider to specify conditions or symptoms a veteran is facing, as seen in **Figure 5.** The second screen will populate with follow questions based on selections made in the first screen, and prompts the provider to give more clinical information, as seen in **Figure 6.** The third screen provides tailored clinical decision support recommendations based on the information provided in the first and second screens, as seen in **Figure 7.**



**Figure 5: CDS Questionnaire widget first screen**



**Figure 6: CDS Questionnaire second screen**



**Figure 7: CDS Questionnaire third screen**

## 2.2 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-4011 | Resizing of VISN Roster Widget has Formatting Issues | Previously, when resizing the VISN roster widget, it caused all the widgets to overlay and are no longer on clean grids. They overlapped and could not be moved around as expected.  The widget behavior is now fixed to behave appropriately. Widgets will move out of the way to make room for resizing, and no overlaps occur. |
| PR-4012 | Remove Widget Title as Not Editable | Previously, the titles of widgets were editable via blue boxes next to the official widget title in the gray widget headers.  Now, widget titles are static and cannot be changed. The blue boxes used for editing the widget titles no longer exist on the dashboard. |
| PR-4088 | Supervisor-level user cannot view data on the Dashboard | Previously, when a supervisor level user accessed the dashboard, it sometimes took too long to load and would time out. Clicking on the different views did not prompt the system to react, and stopping the script would re-route the user to the login page.  Now these issues have been addressed with performance fixes and supervisor level users are not experiencing lag times |
| PR-4090 | Data Table Error in Appt. Widget | Previously, the Appointment widget was not displaying any data and was instead displaying a data table error.  The Appointment widget is now displaying the appropriate information and does not display any errors. |
| PR-4091 | PR API's Architecture need to be revisited due to Performance Issues. | Previously, the dashboard was experiencing performance issues because all of the data for all of the Veterans was getting pulled into the system at the time of load.  Now this issue has been addressed with a performance fix, and the system is pulling the appropriate data. |
| PR-4109 | RowIndex Property Error | Previously, the developers were seeing JavaScript errors while debugging performance issues.  Now this issue has been with a performance fix, and there are no JavaScript errors. |
| PR-4156 | Update Help Desk Email Spelling on Login Page | Previously, the Login page was displaying the incorrect email for the Perceptive Reach help desk.  Now the Login page is displaying the correct help desk email, which is as follows: VAPerceptiveReachSupport@va.gov |
| PR-4163 | Some Patients are displayed with empty name | Previously, a patient that did not have either a first or last name in the system would have the missing name displayed as “NULL.”  Now the missing name will simply be empty. |
| PR-4250 | Hovering over the export/report function a tool tip appears and says "Navigate to header and click tab arrow to enter table, esc to leave table rows" | Previously, hovering over the export/report would display text that read "Navigate to header and click tab arrow to enter table, esc to leave table rows."  Now, hovering over the export button displays text that indicates the export functionality. |
| PR-4292 | Veteran not selected when moving from Individual to Facility | Previously, when moving between the Individual View and Facility View and back, the dashboard would not retain the information selected in Individual View.  Now, the dashboard will keep the selected Individual View information as is, even after a user has navigated away. |
| PR-4293 | Facility Row not selected when moving from Individual to Facility | Previously, when moving between the Individual View and Facility View and back, the dashboard would not retain the information selected in Facility View.  Now, the dashboard will keep the selected Facility View information as is, even after a user has navigated away. |
| PR-4295 | Facility and VISN roster should scroll to the selected row | Previously, when a user selected item in the VISN and Facility Roster widgets and then navigated away, and then back, the dashboard would not scroll to the selections.  Now the dashboard will remember the selections made and automatically scroll to them. |
| PR-4297 | "At-risk" patients are not matching across the widgets for Gender Distribution and Age Group | Previously, and data import issue caused the Gender Distribution and Age Group counts to sometimes not match across widgets. A coding change has been implemented to correct the error. |
| PR-4390 | VISN and Facility selection gets removed when a widget is removed | Previously, when a user selected items in the VISN and Facility Roster widgets and then deleted the Attempt Prediction Chart widget, the dashboard would not display data once the Attempt Prediction Chart widget was re-added.  Now deleting and re-adding widgets does not cause the dashboard to forget selections, and data will display as expected when a widget is re-added. |
| PR-4339 | Facility Roster widget search box is not being displayed promptly | Previously, the Facility Roster widget search box would sometimes not appear unless a user scrolled up to view it. A coding change has been implemented to keep the search box in view. |
| PR-4706 | Outreach Status updates are not consistent | Previously, users with Supervisor roles would see inconsistent updates to the Outreach Status column, and would have to refresh the page to see changes to the Outreach Status.  Now the dashboard will consistently display updates made to the Outreach Status after they added in the Data Entry widget. |
| PR-4708 | Edit Age category rollup in the Age summary widget. | Previously, the aggregate age group counts in the Age Group Data widget were incorrect due to ages not being rolled up into the proper categories.    Now the Age Group Data widget displays the appropriate data, and the aggregate age group counts are correct. |

## 2.3 Remaining Defects

**Table 3: Remaining Defects**

| **Key** | **Summary** | **Description** | **Priority** |
| --- | --- | --- | --- |
| PR-4820 | Number of Facilities in the Dashboard | The number of facilities available for users in the Dashboard is 130. There should actually be 140, however several individual facilities are consolidated under single facility IDs. The Dashboard needs several enhancements to account for this number of facilities. | Major |
| 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 right corner. | 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 Whitespace | Facility View widget has too much whitespace and misalignment when the widget is resized dramatically. | Minor |
| PR-3957 | Name of the Files Exported from the Dashboard | All files exported using the enhanced export button 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-4229 | The Patient Roster Widget has blue lines while loading and searching | The new “virtual scrolling” feature on the Patient Roster creates some minor user interface issues related to blue background lines and placement of the roster’s visual elements. | Minor |
| PR-4230 | Single Facility Searching | Searching for a single facility will cause the system to display the following message: \*Showing 1 to 1 of 1 entries (filtered from 138 total entries)\* | Minor |
| PR-4267 | Perceptive Reach Login page username text box | When the login page of Perceptive Reach is displayed, the cursor is supposed to be on the username text box. | Minor |
| PR-4500 | "At-risk" patients are not matching for Military Branch data in IT Pilot | "At-risk" patients for Military Branch data sometimes do not match between Facility and Surveillance level views because of how the aggregates are calculated for patients with a “NIULL” value for Military Branch. This is a high priority candidate for resolution in the next deployment. | Major |
| PR-4762 | Outreach Status in the Exported Spreadsheet has an extra line | The exported Spreadsheet for the Patient Roster by VAMC has an extra line at the 9th question (column O) | Minor |
| PR-4768 | Data Entry User Notes Date stamp no longer uniform | For checkbox updates, only the date stamp was desired and therefore the note section should be updated to only include the date stamp as well. | Minor |

## 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 |