**Release Notes**

Axiom Clinical Analytics
Version 2022.2

AXIOM

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Version: 2022.2

Updated: 7/19/2022

# Contents

# About the Release Notes

Syntellis is pleased to announce the 2022.2 release of Axiom Clinical Analytics. Each product release provides new features, enhancements, and configuration options to meet your needs. Many of these features and enhancements are a direct result of your feedback and suggestions.

The purpose of these release notes is to provide you with the following:

- High-level descriptions of new features
- Information to know before upgrading
- Steps for preparing for and scheduling your upgrade
- List of fixed issues

> **TIP:** Periodically, the release notes are updated when new information is available, including patch release fixes. To view the latest release notes, we encourage you to view them in the Axiom Clinical Analytics online help. On the help home page, simply click the Release Notes link at the top of the page.

▶ Accessing current and older release notes for Axiom Healthcare products

The online help for Axiom Healthcare products includes a page with links to current and past release notes for the last several years. To access this page, open the product online help, and at the top of the menu on the left side of the page, click **Release notes > All Axiom products**.
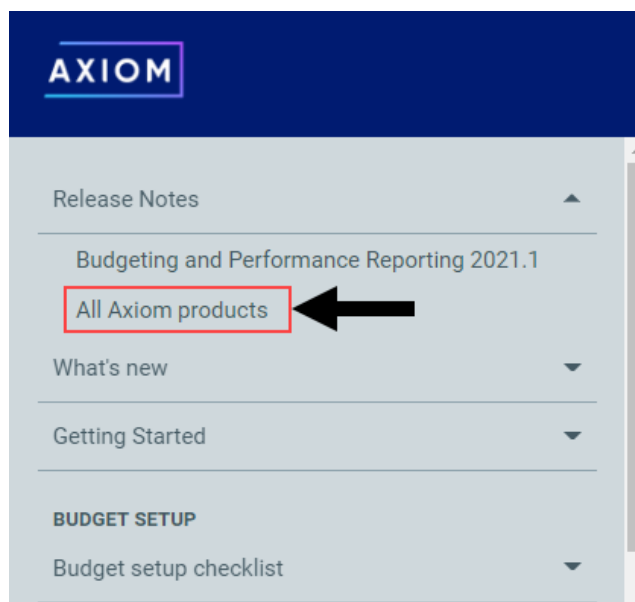
# New features in 2022.2

## Regulatory content updates

We provide Version 39 Regulatory Updates and 2021 AHRQ software updates, including:

- 3M GPCS software update
- AHRQ software
- APR lookup tables
- Exclusions table for Coding Analytics
- HCPCs descriptions table
- HCAHPS Adjustment Weights
- ICD Diagnosis tables
- MS-DRG Grouper software
- MS-DRG lookup tables
- PPR norms
- Procedure tables

# What to know before upgrading

> **IMPORTANT:** **You must apply the Axiom 2022.2 upgrade before applying any 2022.2 Axiom product upgrades.** Axiom upgrades are backwards compatible so you can upgrade different products at different times, but you must upgrade to the Axiom 2022.2 before the first product upgrade. Refer to the **Axiom 2022.2 Release Notes** and **Axiom Healthcare Suite 2022.2 Release Notes** for considerations before upgrading.

When upgrading to the 2021.3 version of Axiom Clinical Analytics, keep in mind the following:

- Along with upgrading to Axiom 2021.3, you will also need to upgrade to Axiom Comparative Analytics 2021.3.
- This product upgrade contains updated templates, calculation methods, updated drivers, and remediated defects.
- This product upgrade contains updated templates, calculation methods, and remediated defects.
- Syntellis delivered reports may be replaced. Any report that you saved under a different name or created new will remain untouched. Replaced reports are available in Document History, if needed.
- Any Syntellis delivered report that was moved to a new location will automatically move back to its original location.
- Syntellis product templates and calculation method libraries will be replaced.
- Product task panes will be replaced.
- Process definitions will not be replaced.
- Driver files will be replaced.
- Security roles and sub-systems will be reset to their configured settings. All user security exceptions you may have made will remain intact.
- Specific items configured as part of your company or organization's implementation such as imports, exports, driver files, and process management files, will remain as is. Any required modifications to these areas are covered in the release notes, if required.

# Preparing and scheduling upgrades

Summary of the upgrade process:

1. **Review product release notes** – Review this document to familiarize yourself with the new features and functionality.

2. **Schedule an installation date** – Submit a request to your organization's Axiom System Administrator to contact Support to schedule an installation date and time with at least three days of advance notice. The request should include the following information:
   - Desired Axiom platform version.
   - Desired Axiom for Healthcare product and version.
   - Indicate whether to first refresh the Axiom test sandbox with a copy of the production instance of Axiom and apply update(s) to it. If so, provide the soonest that Syntellis can do this.
   - Propose an approximate two-hour downtime window when Syntellis can apply update(s) to the production instance of Axiom during regular business hours, Monday through Friday 7 AM to 7 PM Central (except holidays recognized by Syntellis).

3. **Complete manual configuration updates** – After installing the upgrade, review any manual setup steps needed to enable features for this version.

# Getting help and training

Syntellis provides world-class resources at your fingertips directly within the Axiom system. Axiom Help provides topics, knowledge base articles, documents, webinar/training announcements, and videos to guide you through managing your system. To access these resources, do any of the following:

- **Windows and Excel Clients** – From the Main or Admin ribbon tab, click **Online Help**, and then select the product. Axiom Help opens in a new browser window.

> **NOTE:** The online help will only open for products you are licensed to use.
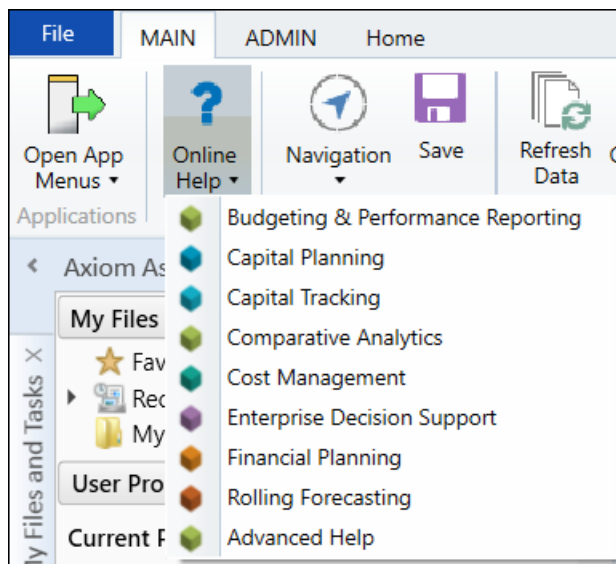


- **Form/Web pages** – Form/web-enabled features and products include contextual help directly within the user interface. This information provides a quick summary and/or instructions specifically related to the screen you are using. You can access this information by clicking the question mark in the upper right corner of the screen. To access the full Axiom Help system, click **Open Help** at the top of the contextual help dialog.



▶ Syntellis Central

Syntellis Central provides centralized self-service content and resources for the Axiom Clinical Analytics platform and suite of products. Using Syntellis Central, you can:

- Search help across all Axiom products

- Access tips, tricks, and best practices in our knowledge base
- Find training & certification content including on-demand, video, webinars, labs, and instructor-led courses
- Submit a support issue, find suggested content, and manage any outstanding issues directly with us
- Review open Software Service project status and details

# Issues fixed in 2022.2

The following table lists resolutions for issues addressed in 2022.2, released on July 18, 2022:

| Issue | Description |
|---|---|
| Drill into details from LOS/Two Col Section retains Measure Filter settings [19301] | **Summary:** After drilling into details of LOS section or Two-Column section, all applied settings are reset for subsequent drill attempts, except for Measure Filters. **Resolution:** Corrected by resetting the Measure Filters so they disappear similar to the rest of the applied settings for each subsequent drill-in. |
| Summary Bar graph analysis section of PPE is missing many patient safety measure (PSIs, HACs). [19304] | **Summary:** The Bar Graph Analysis section of PPE doesn't allow you to select all of the PSI and HAC measures. **Resolution:** Corrected by updating the logic of the function chooseMeasures() that finds any measures that can be used. You can choose from all the PSI and HAC measures. The Bar Graph Analysis Measure Adding table is the same as the Measure Analysis Measure Adding table. |
| PPE/Peak-Reporting Files Tab - selected physician/facility doesn't show up as selected in the pretty table [19308] | **Summary:** On the **PPE Files** tab, if you select a physician, then open up the physician selection pretty table again, the selected physician is not selected in the pretty table. This is the same behavior for Facility in Peak Reporting. **Resolution:** Corrected by adding logic so that when you select a physician or facility using the Edit (pencil) icon, that physician or facility appears in the table even if you have not saved your selection. |
| Replying to a long annotation in PPE/WFs in a small screen cuts off editing box and save/reply/cancel buttons [19310] | **Summary:** When you reply to a long annotation in a PPE/WF review process on a standard laptop-size screen, the editing box and/or **Save** and **Reply** buttons are not accessible. **Resolution:** Corrected by adjusting the screen size for scrolling to include the **Save** and **Reply** buttons without having to adjust display settings when using a laptop or smaller monitor. |

| Issue | Description |
|---|---|
| ScorecardsController deleteCustom() checks user ID after deleting Scorecard [19318] | **Summary:** The ScorecardsController deleteCustom() method tries to prevent users other than the Scorecard's user from deleting the Scorecard. However, the user ID check is made after the scorecard is deleted, and the Scorecard is deleted unexpectedly.<br><br>**Resolution:** Corrected by preventing deletion of the scorecard by users other than the Scorecard's user, including custom scorecards. |
| Removing last Detail Template causes error in Scorecard Sections [19336] | **Summary:** Deleting the last Detail template for a section causes that section to break. An error dialog appears.<br><br>**Resolution:** Corrected by enabling navigating back to Scorecard section after deleting a template, and no error appears, and no Detail template is selected for that section. |
| Clinical Case Summary - Physician Attribution Overview - Physician name missing [19349] | **Summary:** Physicians on the Physician Attribution Overview that do not have a role in the encounter appear with blank name and specialty.<br>**Resolution:** Corrected by showing Physician name and specialty, even if they did not have a role set on the encounter. |
| Top Sections - Graph caption is sometimes wrapped in quotes [21208] | **Summary:** The top sections in Scorecards, such as Top DRGs, show a pie chart with a caption, sometimes wrapped in single quotes.<br>**Resolution:** Corrected by not wrapping Graph caption in single quotes. |

| Issue | Description |
|---|---|
| Measures that use Surgical Case Volume are wrong [35288] | **Summary:** Two places are maintained for the new MS-DRGs: the MS-DRG identifier table and the Surgical Case Volume calculator item. The Surgical Case Volume is not updating, so any measure that is based off that is incorrect. Cases with newer DRGs, that are surgical, are ignored because their Surgical Case Volume value is incorrect.<br><br>**Resolution:** Corrected by:<br><br>• Updating the Surgical Case Volume calculator source whenever new MS-DRGs are released.<br>• Changing how these measures are calculated by using the MS-DRG identifier table Type field, rather than the Surgical Case Volume. |
| CCS Outpatient Procedures need to pull from the encounterprocedures table instead of encounterdatas [35906] | **Summary:** Procedures for all patient types are being pulled from the peak.encounterdatas table, and they're all assumed to be ICD procedures. This is incorrect, making it impossible to correctly filter outpatients. Outpatients are coded with CPT procedures, and the code appears for them but not the description, because it's assumed to be an ICD procedure.<br><br>**Resolution:** Corrected by using the peak.encounterprocedures table. This enables the **Coding Type** field to determine which type of procedure code is being used. |
| PPE changes the capitalization of Physician Specialties [36017] | **Summary:** In PPE, the second word of a specialty gets changed to lower case no matter how it first appears.<br><br>**Resolution:** Corrected by not making any changes, and just displaying what appears in the physician specialty table. |
| Top Service Lines pie chart contains bogus characters when not cached [38319] | **Summary:** The Top Service Lines pie chart contains illegitimate characters when not cached.<br><br>**Resolution:** Corrected by eliminating illegitimate characters. |

| Issue | Description |
|---|---|
| Add the ability to choose a Physician Group when adding a physician to the Physician List (uploads?) [38468] | **Summary:** When adding a physician to the physician list, either individually, or by uploading a file, being able to select a physician group so you do not have to add the physician by having to go into the Physician Group page.<br><br>**Resolution:** Corrected by adding capability of adding Physician Group with the following caveats:<br><br>• When editing an existing physician entity with a PhysicianGroup assignment, and selecting nothing in PhysicianGroup control, the existing record is removed from peak.physicianphysiciangroups, enabling you to replace the physician's existing value with a blank value or a default value.<br>• If the physician has more than one PhysicianGroup, the "Physician Group" control is disabled.<br>• When uploading a file, the same behavior exists from the previously defined caveats. If a physician is assigned to more than one group, the assignment is not removed or updated, unless updated manually. |
| NHSN measures need the Den title changed [41006] | **Summary:** The Denominator column for NHSN measures is labeled as NULL, but should just be null.<br><br>**Resolution:** Corrected by removing the Denominator column from NHSN Count measures. |
| Update the list of Core Measures the Patient List Category pulls from [41007] | **Summary:** Core Measures list is out of date that the Patient List pulls from.<br><br>**Resolution:** Corrected by making everything that appears in Details for any of the Core Measures also appears in the Patient List section. |
| DRG image not showing up for speedometers in PDFs [41644] | **Summary:** DRG image does not show up for speedometers when they are exported to PDFs. This is the case for PPE and Scorecards.<br><br>**Resolution:** Corrected by ensuring speedometer includes DRG image, so that it matches what is shown in the browser. |

| Issue | Description |
|---|---|
| PFB-08465 - Need to reword message when you emulate a user [43405] | **Summary:** When emulating a user, a message reads "Successfully switched to User: Last, First - email. To switch back click "Sign Out" in the header." The Sign Out link is no longer in the header, requiring rewording. The Sign Out link is now embedded under the user's initials.<br><br>**Resolution:** Corrected by replacing "To switch back, click 'Sign Out' in the header" with "Sign Out to stop emulating user." |
| PFB-08587 - Putting LDOS then Service Details or Pharm Analytics disables rerun button [45357] | **Summary:** When building a scorecard with a tab layout of an LDOS section at the top, followed by a Physician Service Details section or a Pharmacy Analytics Section, the **Rerun** button on the **Service Details** or **Pharmacy** sections do not work.<br><br>**Resolution:** Corrected by adding a </form> element to the LDOS section, enabling the **Rerun** button to work as expected. |
| PFB-08816 - All SC templates from SC library have "view documentation" option [47915] | **Summary:** All SC templates within the SC library have a "View documentation" option, even if there is not a documentation option made for that scorecard.<br><br>**Resolution:** Corrected by adding logic that checks for the existence of documentation on a remote server.<br><br>The **View Documentation** link is visible when scorecards have a documentation, and hidden when no documentation available. |
| PFB-08822 - Change the automatic naming of Scorecards to not say "Peak" [48043] | **Summary:** Need to change every Peak reference to Clinical Analytics in Scorecard template.<br><br>**Resolution:** Corrected by replacing "Peak Template" to "Clinical Analytics" in the scorecard template name. |
| PFB-09151 - Duplicate indexes on peak.encounterphysicianroles are causing performance issue [58423] | **Summary:** Duplicate indexes exist on peak.encounterphysicianroles.<br><br>**Resolution:** Corrected by creating script to remove all nonclustered indexes from encounterphysicianroles table. |

| Issue | Description |
|---|---|
| PPFB-09373 - Auto log out message doesn't work correctly [71391] | **Summary:** When the system auto-logs out, an error appears in the Measure Analysis block in the PPE Reporting Simple Report section, instead of redirecting you to the login page.<br><br>**Resolution:** Corrected by changing the .text to .html. Current page is successfully redirected to the login page. |
| PFB-09423 - Clients with "NO_ LICENSE" for APRs can't see MRNs anywhere [75106] | **Summary:** When you select NO_LICENSE as the APR license level, the MRNs do not appear (even where there are no APRs). Also, the Account numbers in the Details view do not appear.<br><br>**Resolution:** Corrected by not showing APRs when APR license reads NO_LICENSE. MRNs and Account numbers appear anywhere you should see them. |
| PFB-09440 - CPT Analytics Section - No APR-DRG license note is outdated [76507] | **Summary:** When a client has no license for APR-DRGs, the CPT Analytics Section note is outdated.<br><br>**Resolution:** Corrected by updating the CPT Analytics section note. |
| 30 day mortality measures are incorrectly only looking for inpatients [107465] | **Summary:** The 30 day mortality measures incorrectly uses the "TBS - Mortality readmission within 30 days" plug-in that only looks for inpatient visits.<br><br>**Resolution:** Corrected by created a new plug-in function that sets the 30 Day Mortality Readmissions, but uses all encounter types for the return visits. |
| MS-DRG Grouper software and versioning update for v39 (Blizzard) [110702] | **Summary:** v39 MS-DRGs must be grouped appropriately for new and historical data so that current and accurate DRG assignments appear for the fiscal year beginning on October 1st, 2021.<br><br>**Resolution:** Corrected by running the MS-DRG grouper, viewing encounter level MS-DRG output in DME, and having all data with a discharge date on or before September 30, 2021 to remain the same as it was prior.<br><br>Also, data with discharge date on or after October 1, 2021 groups correctly with v39 codes. |

| Issue | Description |
|---|---|
| Case Number 00445547 - Multiple PPC sections on one page don't all work [114783] | **Summary:** When adding multiple PPC sections onto one tab, only the bottom one works. If you press **Rerun** for the top one, the bottom one reruns. Any changes you make to the other sections do not change anything.<br><br>**Resolution:** Corrected by adding an onclick event to the markup enabling the **Rerun** button to work. |
| Case Number 00448853 - Axiom PSI 8 - question [118841] | **Summary:** The PSI-8 measure name is out of date and requires updating.<br><br>**Resolution:** Corrected by adding code to ensure that the PSI-8 measure name and the PSI-9 measure name were updated. |
| The "Invalid or corrupted PDF file" message is displayed after uploading a private key [129460] | **Summary:** An "Invalid or corrupted PDF file" message incorrectly appears after uploading a private key.<br><br>**Resolution:** Corrected by displaying no messages after downloading a private key. |
| The exception occurs after entering and saving a long description into the "Short Description" field [129998] | **Summary:** Page is broken after you enter a long text into the **Short Description** field in the **Templates** tab.<br><br>**Resolution:** Corrected by adding validation rules to Scorecard template:<br><br>• 'Short description may not be longer than 100 characters.'<br>• 'This field cannot be blank.' |
| The ordering in PDF file differs from the web in the "Charges and Costs Detail" section [129999] | **Summary:** The ordering in a PDF file differs from the web in the **Charges and Costs Detail** section.<br><br>**Resolution:** Corrected by displaying the order of the values with the default web settings - by **Total Opportunity**, then by **Description**. |
| Profiles: The pop up and the error message are shown behind the warning message [130853] | **Summary:** When creating a profile, the popup and error message appear behind the yellow warning message.<br><br>**Resolution:** Corrected by discretely displaying both the popup and the error message. |
| Case Number 00460519 - Board Certification measure type needs changed [132505] | **Summary:** Board Certification measure requires the measure type to be switched from composite.<br><br>**Resolution:** Corrected by changing the Board Certification measure type. |

| Issue | Description |
|---|---|
| Case Number 00460845 - OAS CAHPS measures [132775] | **Summary:** OAS CAHPS measures incorrectly exclude Observation patients.<br>**Resolution:** Corrected by adding columns in to the measureencountertypes table for the OAS CAHPS measures to include patient type 2 (OBS). |
| Case Number 00461113 - LOS Section Opportunity [133198] | **Summary:** LOS section is missing the opportunity calculation for the "Days - Accommodation - Private, Semi-Private and Ward" measure using any peer group, but it shows the opportunity in the Details section.<br>**Resolution:** Corrected by enabling the opportunity to appear in the Scorecards section, both in the browser and when it's exported to PDF. Also, enabled the benchmark and opportunity to appear in the PPE section. |

| Issue | Description |
|---|---|
| Update Rehab measure names to remove the "RIC" in the title of 6 count and 6 rate measures. [139664] | **Summary:** Update new physician RAD measure to remove the RIC in the measure name from the following 12 measures. Update these measure names from: |

**Summary:** Update new physician RAD measure to remove the RIC in the measure name from the following 12 measures. Update these measure names from:

- Physician - Rehab - RIC Stroke - Count
- Physician - Rehab - RIC Brain Injury – Count
- Physician - Rehab - RIC Spinal Cord Injury – Count
- Physician - Rehab - RIC Orthopedic – Count
- Physician - Rehab - RIC Neurological – Count
- Physician - Rehab - RIC General Rehab Medical - Count
- Physician - Rehab - RIC Stroke – Percentage
- Physician - Rehab - RIC Brain Injury - Percentage
- Physician - Rehab - RIC Spinal Cord Injury – Percentage
- Physician - Rehab - RIC Orthopedic - Percentage
- Physician - Rehab - RIC Neurological - Percentage
- Physician - Rehab - RIC General Rehab Medical - Percentage

to appear as follows:

- Physician - Rehab - Stroke - Count
- Physician - Rehab - Brain Injury – Count
- Physician - Rehab - Spinal Cord Injury – Count
- Physician - Rehab - Orthopedic – Count
- Physician - Rehab - Neurological – Count
- Physician - Rehab - General Rehab Medical - Count
- Physician - Rehab - Stroke – Percentage
- Physician - Rehab - Brain Injury - Percentage
- Physician - Rehab - Spinal Cord Injury – Percentage
- Physician - Rehab - Orthopedic - Percentage
- Physician - Rehab - Neurological - Percentage
- Physician - Rehab - General Rehab Medical - Percentage

**Resolution:** Corrected by updating the Rehab measure names accordingly.

| Issue | Description |
|---|---|
| CPM - Incorrect Measure Denominator [141420] | **Summary:** When creating a CPM report to show costs of encounters with and without HACs, the denominators are incorrect.<br><br>**Resolution:** Corrected by updating denominators for 8 measures. |
| Physician Group Picklist on Physician Edit - Make Multi Select [142984] | **Summary:** When using Clinical Analytics profile data management, the physician group picklist located on the physician edit screen must be multi-select to enable adding and/or removing the physician to/from a group.<br><br>**Resolution:** Corrected by implementing new dialog to enable multi-selecting PhysicianGroups for the physician currently being edited. |