Release Notes

Axiom Clinical Analytics
Version 2022.1

AXIOM

10 S. Wacker Dr
Suite 3375
Chicago, IL 60606
(847) 441-0022
www.syntellis.com

info@syntellis.com

Syntellis® is a trademark of Syntellis Performance Solutions, LLC. Microsoft®, Excel®, and Windows® are trademarks of Microsoft Corporation in the United States and/or other countries. All other trademarks are the property of their respective owners.

Version: 2022.1.1

Updated: 6/23/2022

Contents

About the Release Notes

Syntellis is pleased to announce the 2022.1 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**.
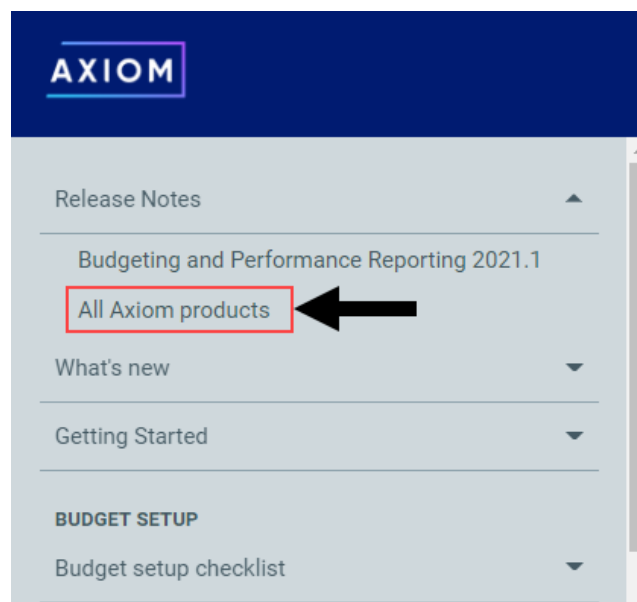
New features in 2022.1

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 2022.1 upgrade before applying any 2022.1 Axiom product upgrades.** Axiom upgrades are backwards compatible so you can upgrade different products at different times, but you must upgrade to the Axiom 2022.1 before the first product upgrade. Refer to the **Axiom 2022.1 Release Notes** and **Axiom Healthcare Suite 2022.1 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.
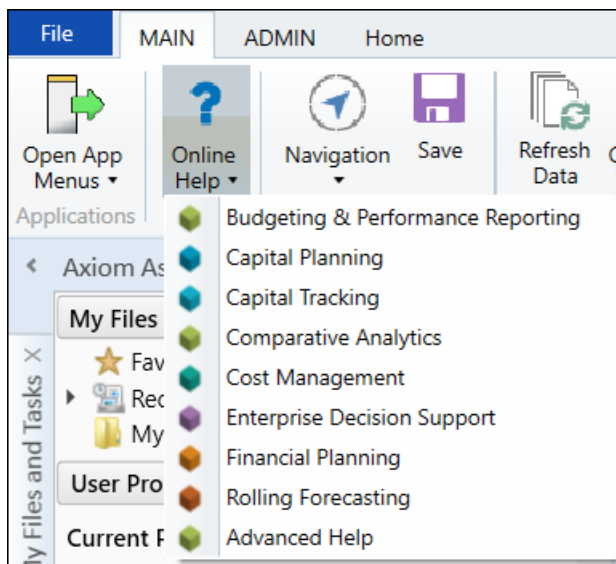
- **Form/Web pages** – Form/web-enabled features and products include contextual help directly within the user interface. This information provides a quick summary and/or instructions specifically related to the screen you are using. You can access this information by clicking the question mark in the 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 2022.1

The following table lists resolutions for issues addressed in 2022.1, released on April 25, 2022:

Issue	Description
Using the NRD as a benchmark returns "No LOS Data" on Utilization tab of CCS [24451]	**Summary:** In a Clinical Case Summary, when you choose a NRD peer group (or any peer group with no benchmark for that DRG) as the benchmark profile, on the **Utilization** tab, the LOS Analysis part shows: • "No LOS Data" instead of what the Charges part does. • Values for the **Short Description** and **Value** columns with "No Benchmark Data" in the **Benchmark Value** and **Difference** columns. LOS Analysis section is not showing anything when there are no benchmark values. **Resolution:** Deleted code related to the unset measures that do not have benchmarks. The applicable LOS measures populate the **Short Description** and **Value** columns with "No Benchmark Data" in the **Benchmark Value** and **Difference** columns.
Principal Procedures Section does not see Principal CPT code for outpatient encounters. [26086]	**Summary:** When using the PPE **Top Principal Procedures** section for Outpatient encounters, the section is unable to see the principal CPT Code on outpatient encounters. **Resolution:** The section sees that the patients being pulled in are outpatients with CPTs; it then pulls the principal CPT procedures. Similarly, if there is no Principal ICD procedure, it is filled with the principal CPT procedure.
CCS throws error when exporting to Excel or PDF and no Benchmark Profile [38333]	**Summary:** While in Clinical Case Summary (CCS), if you try to export to PDF or Excel and there are no eligible benchmark profiles, the export fails, and many notices, warnings, and unreadable symbols appear. **Resolution:** Added validation for non-empty object when generating Excel or PDF report, so PDF or Excel reports get downloaded.

Issue	Description
Costs and charges over $1000 don't show up in CCS exports [40639]	**Summary:** In Clinical Case Summary Excel exports, on the **Detail Services** tab, any cost or charge greater than or equal to $1000 show as blank cells. **Resolution:** Updated the function Export Excel function, and added number format changes so actual charges appear.
Clinical Case Summary - Need to handle Mom/Baby linking better and not throw unrecoverable error [40651]	**Summary:** If you have an encounter that has an encounter.mothersencounterid that does not link to a valid encounter.id, when you go to Clinical Case Summary, an unrecoverable error is thrown. **Resolution:** Added additional validation, so now it shows an error "This encounter id doesn't exist or is invalid" if motherencounterid was not found in the database.
Measures mapped incorrectly between Peak and DME [41005]	**Summary:** Some measures were not mapped properly between DME and Clinical Analytics. **Resolution:** Created additional migration to fix the Measures for proper mapping between Clinical Analytics and DME (PQI-14, PQI-15, PQI-16, PQI-90, PQI-91, PQI-92, PQI-93).
Admitted/Transferred ED Patient with LOS >= 6 hours does not correctly filter out patients with an LOS of less than 6 hours [41496]	**Summary:** When looking at the measure "Admitted/Transferred ED Patient with LOS >= 6 hours," all patients within the denominator were also in the numerator. This measure was always seen as 100%. **Resolution:** Added additional migration to fix the Record Processor. Syntellis Support can now run Measure Refresh.
Update the "oe" column on the measures table to yes for some measures [41533]	**Summary:** Some measures don't show the O/E value in scorecards as they should. **Resolution:** The **oe** column in the measures table is updated from "no" to "yes" for those measures.
Update logic in the AMI Base Conditions record processor [56820]	**Summary:** AMI Base Conditions record processor needs to be updated to allow the mortality measure to more closely follow the CMS cohort definition. **Resolution:** Corrected logic to follow CMS definitions. Syntellis Support can now run Measure Refresh.

Issue	Description
Security audit recommendations [115527]	**Summary:** As part of the security scan conducted for Clinical Analytics, cross-site scripting was identified as an area to enhance. **Resolution:** Security for Clinical Analytics has been updated after the security scan initiative.
Measure Correction - ED Patients transferred after 6 hours [134937]	**Summary:** The denominator and numerator values are incorrect. **Resolution:** Fixed the denominator to include all ED patients with LOS greater than 6, and the numerator (subset of population) to be all ED Patients with LOS greater than 6 who were admitted/transferred.

Issues fixed in 2022.1.1

The following table lists resolutions for issues addressed in 2022.1.1, released on June 20, 2022:

Issue	Description
CPM - Incorrect Measure Denominator - Patch 2022.1 [142338]	**Summary:** CPM report shows costs of encounters with and without HACs, specifically DVT/PE after THR – Rate (measure #677) and DVT/PE after TKR – Rate (#676), with denominators much larger than expected. **Resolution:** Corrected by creating a Clinical Analytics migration, and updating the denominators for these HAC measures to only include encounters related to the procedure instead of all inpatient encounters.