

Release Notes

Axiom Enterprise Decision
Support
Version 2023.3

The Axiom logo consists of the word "AXIOM" in a bold, white, sans-serif font. It is enclosed within a rectangular frame made of two horizontal lines and two vertical lines. The top and bottom lines are a light blue color, while the left and right lines are a light purple color.

AXIOM

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About the Release Notes

Strata is pleased to announce the 2023.3 release of Axiom Enterprise Decision Support. Each product release provides new features, enhancements, and configuration options. 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

This document provides the list of changes to shared areas of the Axiom Healthcare Suite products, which includes:

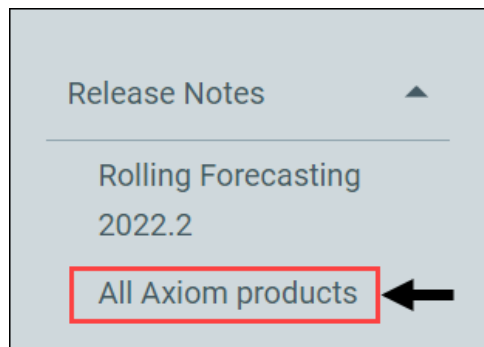
- Suite-wide feature additions and changes
- Security changes
- Key platform changes

Each Axiom Healthcare Suite product has their own separate release notes that provide additional details about features and fixes that are specific to that product.

Prior to upgrading, review the **Axiom 2023.3 Release Notes** and the release notes for each product that is licensed by your organization.

► Access 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. To access this page, [open the product online help](#), and at the top of the menu, click **Release notes > All Axiom products**.



What's new in version 2023.3

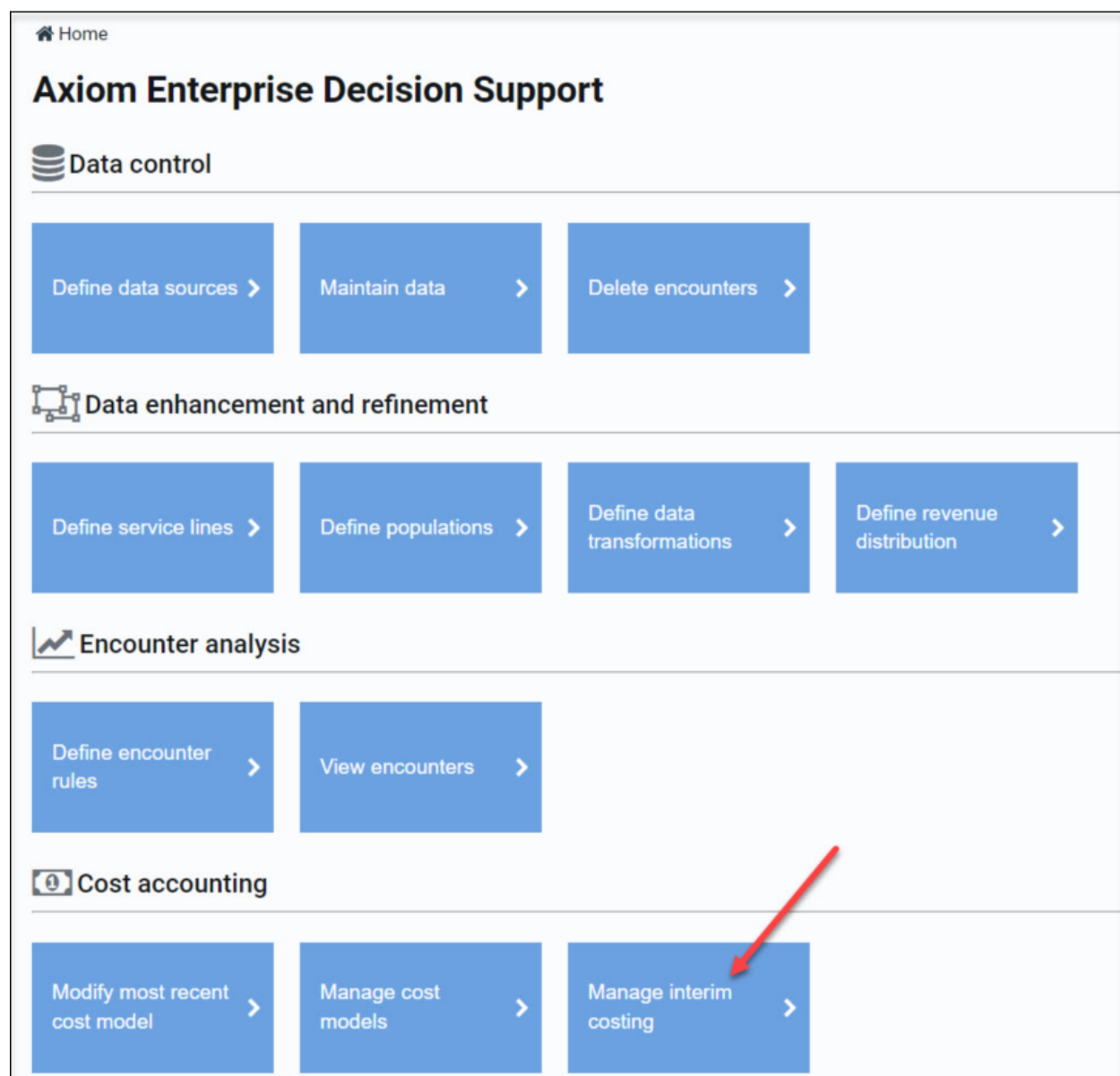
Welcome to Version 2023.3 of Axiom Enterprise Decision Support!

This release of Axiom Enterprise Decision Support includes the following new features and enhancements:

► Interim costing

Use interim costing to leverage previously costed cost models and assign those costs to newly loaded data without having to process a cost model. This feature is helpful when you do not plan to run costing for a while, but continue to load data.

Applying interim costs to your new data lets you run analysis on the most current data and avoid waiting until you run the cost processing analysis again. For example, if you load data nightly, you could configure interim costing and schedule it to run as the last step of your nightly load. That data would have costs associated with it by the next morning versus waiting until it is time to run monthly costing.



► Revenue distribution

Use revenue distribution to include non-adjudicated payments and adjustments (such as payor quality incentives, cost report settlements, and so on) in your decision-support reporting. This feature provides a user interface-standardized process for managing these payment and adjustment definitions and eliminates the need for historically created customized approaches.

Create targeted distribution rules that identify the applicable encounter population to receive these payments or adjustments, along with a basis for spreading the amount.

Edit revenue distribution

Name: Medicare DSH

Table to filter: Encounter

Description (optional): Medicare Disproportionate Share Hospital payment

Transaction type: ☒ Payments ☐ Adjustments

1 Population filter: Encounter
Encounter.InsurancePlan.FinClass.Description = 'M...'

and

Discharge date: From 01/01/2019 To 03/31/2019

2 Aggregation settings: Basis table: Encounter
Basis column: LengthOfStay
Aggregation methods: SUM

3 Revenue information: Revenue to be distributed: 750000.00

Cancel Save

The **Define revenue distribution definition** page provides key information about existing definitions. From this page, you can:

- Select a definition and move it to the edit page to review or update it.
- Modify the revenue amount to be distributed.
- Modify the discharge date.

This page simplifies ongoing maintenance of the most common inputs and allows multiple definition changes from one location by clicking **Save**. You can also select which definitions to process from this page.

Define revenue distribution

Revenue distribution

Search Edit distributions Process selected Add revenue distribution

Transaction c...	Name	Transaction type	Filter table	Basis table	Basis column	Revenue to be distributed	Discharge date range	Last modified date	Date completed	Job status	Actions
RD_000001	Medicare DSH	Payments	Encounter	Encounter	LengthOfStay	\$750,000.00	01/01/2019 - 03/31/2019	07/13/2023 03:56 PM	07/13/2023 03:57 PM	Success	

10 Items per page 1 - 1 of 1 items

During processing, the calculated amounts distributed to encounters are saved in the EncounterPayments table as new transactions. To simplify auditing and review, the transaction IDs in the table are prefaced with “RD_” and tie directly to the transaction ID displayed on the **Revenue Distribution definition** page.

Transactions that are posted to Encounter Payment include the applicable payment type (PAY or ADJ). If you rerun any previously published revenue distribution transactions, transactions that overlap with the population filter discharge date range are deleted.

EncounterID	TransactionID	Amount	ChargeTransactionID	InsurancePlan	InsuranceOrPatientPayment	PaymentType	PostDateOfPayment	DatePaymentWasReceived	AccountNumberFromSourceSystem	DetailedTransactionCode	TransactionCode	PMSOBSequence	PMSOBSequence	PMSOBSequence	PMSOBSequence
7978432 RD 000001	0	85714.29		0.1		PAY	7/13/2023 12:57 PM					2			
7716294 RD 000001	0	64285.71		0.1		PAY	7/13/2023 12:57 PM					2			
7737641 RD 000001	0	85714.29		0.1		PAY	7/13/2023 12:57 PM					2			
7708219 RD 000001	0	21428.57		0.1		PAY	7/13/2023 12:57 PM					2			
7984717 RD 000001	0	107142.86		0.1		PAY	7/13/2023 12:57 PM					2			
7722281 RD 000001	0	12857.14		0.1		PAY	7/13/2023 12:57 PM					2			
7829345 RD 000001	0	42857.14		0.1		PAY	7/13/2023 12:57 PM					2			
7844538 RD 000001	0	42857.14		0.1		PAY	7/13/2023 12:57 PM					2			
7971239 RD 000001	0	85714.29		0.1		PAY	7/13/2023 12:57 PM					2			
7829382 RD 000001	0	21428.57		0.1		PAY	7/13/2023 12:57 PM					2			
7985941 RD 000001	0	21428.57		0.1		PAY	7/13/2023 12:57 PM					2			
7725266 RD 000001	0	42857.14		0.1		PAY	7/13/2023 12:57 PM					2			

Additionally, each revenue distribution definition generates a new record in the TransactionCode reference table for report writers to reference the revenue distribution name. This record is stored in the **LongDescription** field.

TransactionCodeID	Description	TransactionCode	LongDescription	TransactionType
2	Medicare DSH	RD_000001	Medicare Disproportionate Share Hospital payment	RevenueDistribution

NOTE: EncounterDirty.LastUpdate is updated for any encounter with a new transaction record added to EncounterPayment. This record makes the encounter eligible for any processes that reference the EncounterDirty table to identify encounters with recent changes.

► Relative Value Units (RVU) maintenance

The reimagined **Maintain RVU** page provides more flexibility when selecting which cost items to review and offers multiple options for incorporating updates.

You are no longer restricted to view only items within a single department. Using standard Axiom filter wizard behavior, you can select precisely what to review (for example, you can view the same cost item or cost item revenue code across all departments).

The page provides a default view of all cost categories that are sorted by costcat ID. You can select which cost categories are visible by clicking **Select cost categories**, and then clicking one or more cost items. By sorting the values in the cost category columns, you can view which cost items have similar RVUs or no RVUs.

You can modify the RVUs directly on the page by leveraging the new mass-save functionality. Click in the RVU cells, make changes or delete values for one or multiple items and cost category columns, and then click **Save**.

You are no longer restricted to edit only one line at a time.

You can also download filtered data into Excel to modify and upload these changes.

Home > Model group management > Managing cost models > **Methods** > RVU Maintenance

Methods

2022 - 9 months

Direct to encounter Maintain RVU Cost method exclusions Define markup groups Maintain RCU

RVU Maintenance - Base **Save** Upload table Download table ⚙ Select cost categories CostDetail.Dept.Description IN ('Surgery ORMH', 'S...')

Department	Departme...cription	Cost item	Cost item description	Rev code	Volume	Charges	RNSal	TechSal
400066000	Surgery ORMH	I_36000100	HC LEVEL I-30 MIN BASE	R0360	34,721	\$7,590,925.58	30.00	30.00
400066000	Surgery ORMH	I_36000101	HC LEVEL I EACH MINUTE	R0360	90,925	\$7,734,721.50	1.00	1.00
400066000	Surgery ORMH	I_36000200	HC LEVEL II-30 MIN BASE	R0360	20,069	\$21,248,678.44	40.00	
400066000	Surgery ORMH	I_36000201	HC LEVEL II EACH MINUTE	R0360	48,678	\$12,120,069.95		
400066000	Surgery ORMH	I_36000300	HC LEVEL III-30 MIN BASE	R0360	15,027	\$13,548,001.46		
400066000	Surgery ORMH	I_36000301	HC LEVEL III EACH MINUTE	R0360	48,001	\$22,415,027.63		
400066000	Surgery ORMH	I_36000400	HC LEVEL IV-30 MIN BASE	R0360	50,291	\$26,350,291.44		
400066000	Surgery ORMH	I_36000401	HC LEVEL IV EACH MINUTE	R0360	72,090	\$56,072,090.64		
400066000	Surgery ORMH	I_36000500	HC LEVEL V-30 MIN BASE	R0360	8,680	\$4,559,167.29		
400066000	Surgery ORMH	I_36000501	HC LEVEL V EACH MINUTE	R0360	9,167	\$4,768,680.00		

► Delete encounters

Use the new interface to delete unwanted encounters from Axiom.

Home > Delete encounters

Delete encounters

Staging view - Last updated: 07/14/2023 10:07 AM

Save + Select encounters Delete encounters

Encounter	Total charges	Total payments
-----------	---------------	----------------

You can select encounters by:

- Using the filter wizard.
- Downloading a template, and then uploading it when complete.
- Manually entering encounters. Use the manual entry option to enter encounter numbers or paste copied data from an external source.

You can also use multiple options to compile the staging view on the **Delete encounters** page.

+ Select encounters

SELECT USING FILTER WIZARD:

Encounter

EncounterCPT

EncounterDiagnosis

EncounterPatient

EncounterPayor

EncounterProcedure

EncounterSurgical

SELECT USING TEMPLATE:

Download template

Upload table

SELECT MANUALLY:

Manual

After you save the staging list, the grid displays total charges and payments for the encounters. You can start the deletion process immediately or schedule it to start later. You can use either option to cancel at this point, if necessary. If you schedule the deletion, you can still edit the staging list up to 10 minutes before the start of the scheduled job. After that time, the **Delete encounters** page is locked and a prompt notifies you that the job is in progress.

AXIOM Enterprise Decision t

Encounters deletion job has been scheduled

Home > Delete encounters

Delete encounters

Encounter deletion is scheduled for 07/14/2023 11:17 AM. You can add items and save them to the table up to 10 minutes before the scheduled date and time for processing.

Staging view - Last updated: 07/14/2023 10:07 AM

Save

+ Select encounters

Delete encounters

Encounter	Total charges	Total payments
10000048-2	\$3,194.09	\$2,968.77

NOTE: Encounter deletion is irreversible. For auditing purposes, deleted encounter numbers are saved in a table named EncounterDeleteArchive, which includes the date and time of the deletion. However, you cannot reinstate the data associated with those encounters after the deletion is processed; you must reload any encounters that were mistakenly deleted.

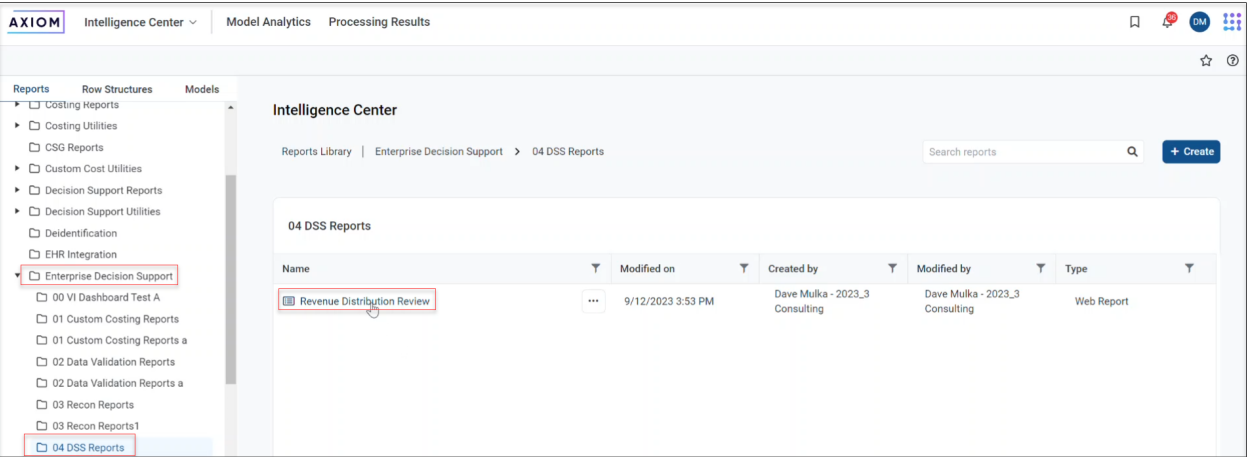
What’s new in version 2023.3.2

Welcome to Version 2023.3.2 of Axiom Enterprise Decision Support!

This release of Axiom Enterprise Decision Support includes the following new feature:

► Revenue Distribution Review web report

Use the new Revenue Distribution Review web report to review the results of the revenue distribution definitions you have processed. This report is packaged and delivered to the Reports Library\Enterprise Decision Support\04 DSS Reports.



For more information, see [Revenue Distribution Review web report](#).

What's new in version 2023.3.3

Welcome to Version 2023.3.3 of Axiom Enterprise Decision Support!

This release of Axiom Enterprise Decision Support includes the following new features:

► Updated EDS encounter model

Additional fields support a new EDS dashboard and expand the breadth of the EDS encounter model.

A Visual Insights (VI) data model reference file contains a listing of the tables and fields referenced for VI data models. The file is located Reports Library\Enterprise Decision Support\50 Visual Insights Dashboards\00 EDS Visual Insights Model Contents.xlsx. This file currently has a tab for the EDS encounter model and will be updated when future models are released.

NOTE: Filters for the data model and plans for updating the current calendar year and two previous calendar years will be adjusted through product updates:

- CostDetail.ServiceDate (Date) >= '2021-01-01'
- Encounter.DischargeDate (Date) >= '2021-01-01'

► Visual Insights model contents

A new information file contains a listing of the tables and fields referenced for Visual Insights (VI) data models. The file is located in Reports Library\Enterprise Decision Support\50 Visual Insights Dashboards\00 EDS Visual Insights Model Contents.xlsx. This file has a tab for the EDS encounter model and will be updated when future models are released.

► Visual Insights for volume and financial intelligence

Visualizations in volume and financial intelligence help you understand trends in:

- Case volume
- Costs
- Net income
- Mortality

Use the following tabs for your analysis:

- Entity
- Patient type
- Service line
- Financial class
- Discharge date

These reports appear in Reports Library\Enterprise Decision Support\50 Visual Insights Dashboards\Volume and Financial Intelligence.

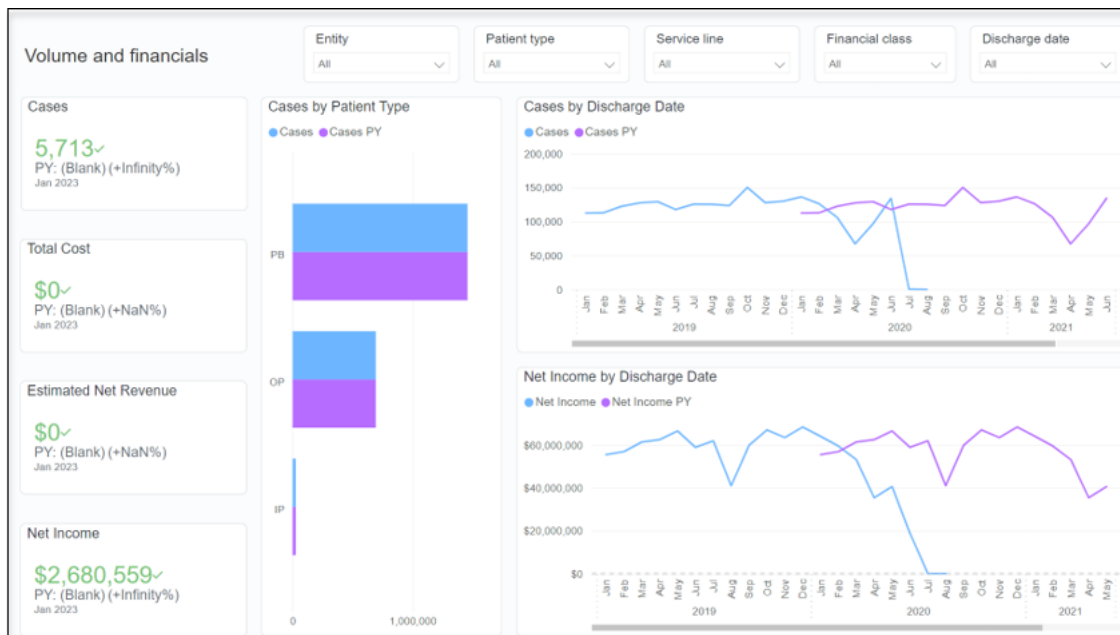
Use the following visualizations:

- Volumes and financials

- Volume and financials detail
- Provider detail
- Provider net income
- Inpatient mortality
- Net income

Volumes and financials

The quick summary cards provide case and profitability information. Review trending visualizations for current and previous year cases to understand the magnitude of changes in case volume and net income over time.



Volume and financials detail

Provides a detailed, tabular representation of the data on the volume and financials report.

Volume and financials detail	Entity	Patient type	Service line	Financial class	Discharge date								
	All	All	All	All	All								
	Jan 2019	Feb 2019	Mar 2019	Apr 2019	May 2019	Jun 2019	Jul 2019	Aug 2019	Sep 2019	Oct 2019	Nov 2019	Dec 2019	Jan 2020
Cases	112,684	113,042	122,498	127,493	129,320	117,723	125,622	125,339	123,567	150,166	127,802	130,012	136,375
Cases PY													112,684
Cases YOY	112,684	113,042	122,498	127,493	129,320	117,723	125,622	125,339	123,567	150,166	127,802	130,012	23,691
Cases YOY %													21.0 %
Estimated Net Revenue	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Net Revenue PY													\$0
Estimated Net Revenue YOY	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$0
Estimated Net Revenue YOY %													
Total Cost	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$23,260,474	\$2,158,999	\$117,458	\$0	\$0	\$0
Total Cost PY													\$0
Total Cost YOY	\$0	\$0	\$0	\$0	\$0	\$0	\$0	\$23,260,474	\$2,158,999	\$117,458	\$0	\$0	\$0
Total Cost YOY %													
Net Income	\$55,514,268	\$56,919,935	\$61,411,140	\$62,490,543	\$66,532,323	\$58,921,186	\$61,931,629	\$41,052,107	\$59,841,084	\$67,032,963	\$63,497,784	\$68,379,788	\$64,029,140
Net Income PY													\$55,514,268
Net Income YOY	\$55,514,268	\$56,919,935	\$61,411,140	\$62,490,543	\$66,532,323	\$58,921,186	\$61,931,629	\$41,052,107	\$59,841,084	\$67,032,963	\$63,497,784	\$68,379,788	\$8,514,872
Net Income YOY %													15.3 %

Provider detail

Analyze payor mix on the top bar graph as you change selections. Review volume and profitability by physician and toggle between the following provider roles:

- Admitting
- Attending
- Primary Care (PCP)

Provider detail

Entity

All

Patient type

All

Service line

All

Financial class

All

Discharge date

All

Percent of Cases by Financial Class

Commercial

Medicaid

Medicare

Other

Self-Pay

Workers Comp

95.82%

	Admitting Provider	Cases	Cases PY	Cases YOY	Total Cost	Total Cost PY	Total Cost YOY	Net Income	Net Income PY	Net Income YOY
Admitting provider	.	1,459,516	1,459,516	0	\$9,023	\$9,023	\$0	\$182,173,555	\$182,173,555	\$0
	Aaron,	3	3	0	\$0	\$0	\$0	\$1,341	\$1,341	\$0
	Aaron, Bryanda	1	1	0	\$0	\$0	\$0	\$39	\$39	\$0
	Aaron, Jillean	370	370	0	\$42,792	\$42,792	\$0	\$1,422,269	\$1,422,269	\$0
Attending provider	Aaron, Mayo	46	46	0	\$921	\$921	\$0	\$47,004	\$47,004	\$0
	Aaron, Tabbetha	1	1	0	\$0	\$0	\$0	\$63	\$63	\$0
	Abassi, Mayo	1	1	0	\$0	\$0	\$0	\$3,736	\$3,736	\$0
	Abastta, Prashan	52	52	0	\$27	\$27	\$0	\$7,471	\$7,471	\$0
PCP provider	Abastta, Raymundo	5	5	0	\$0	\$0	\$0	\$479	\$479	\$0
	Abdelgadir,	924	924	0	\$5,628	\$5,628	\$0	\$94,824	\$94,824	\$0
	Abdelsaied, Marnier	7	7	0	\$0	\$0	\$0	\$1,378	\$1,378	\$0
	Abercrombie,	38	38	0	\$14	\$14	\$0	\$2,410	\$2,410	\$0
	Abercrombie, Debriana	183	183	0	\$3,984	\$3,984	\$0	\$160,372	\$160,372	\$0
	Abercrombie, Stacy	1,314	1,314	0	\$9,405	\$9,405	\$0	\$280,773	\$280,773	\$0
	Able,	2	2	0	\$0	\$0	\$0	\$471	\$471	\$0
	Acovedo, Kezia	1	1	0	\$0	\$0	\$0	\$180	\$180	\$0
	Total	2,178,089	2,178,089	0	\$25,536,931	\$25,536,931	\$0	\$997,813,411	\$997,813,411	\$0

Provider net income

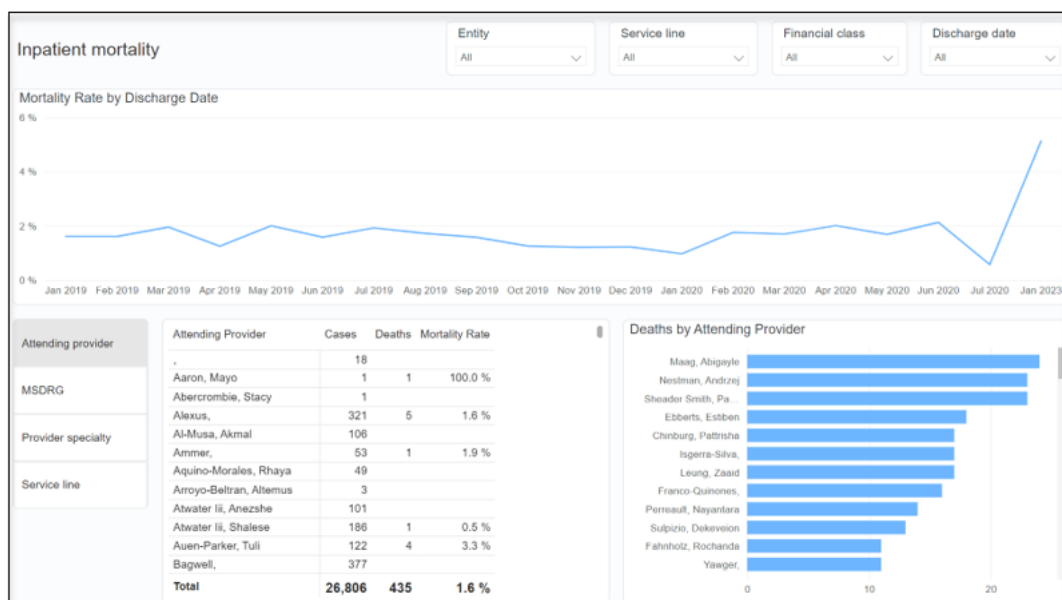
Review service line case volume and explore net income by attending provider.



Inpatient mortality

View your organization’s overall mortality rate trend. You can further analyze deaths by:

- Attending provider
- Medicare Severity Diagnosis Related Groups (MS-DRGs)
- Provider specialty
- Service line



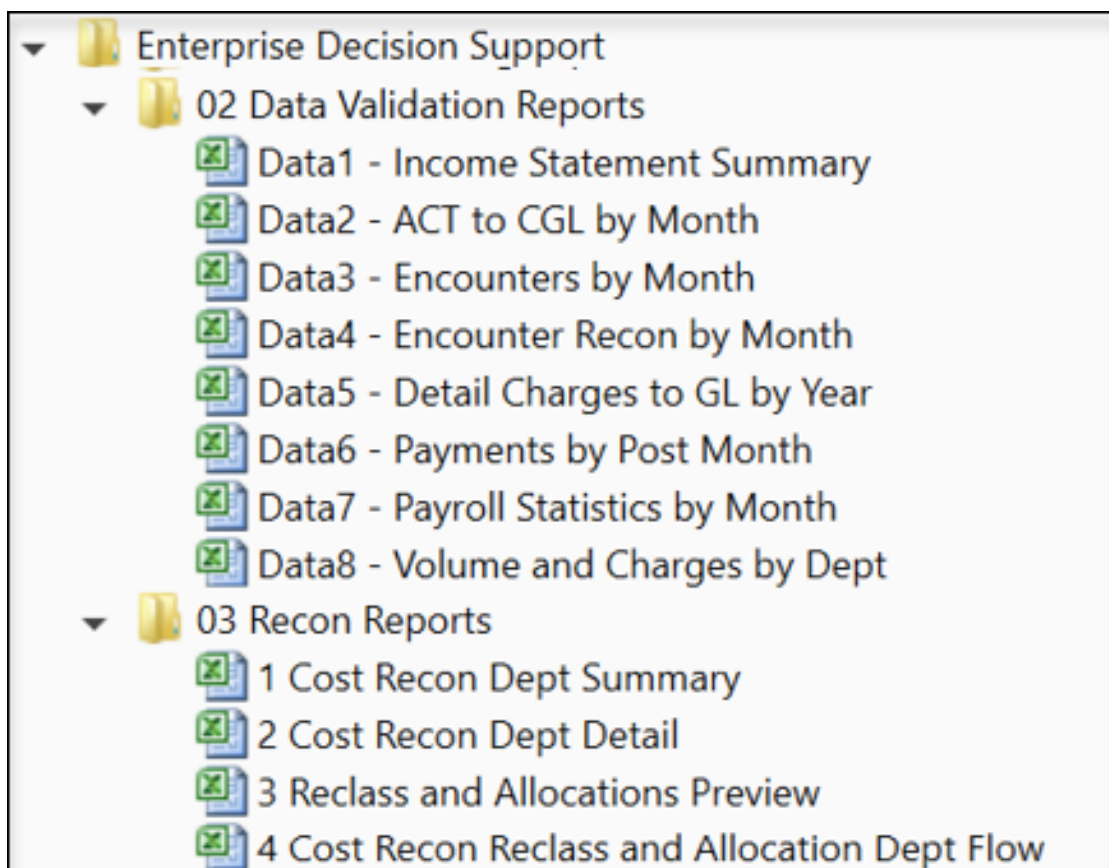
Net income

View the net income progress of your organization as it builds or decreases over time.



► Updates to standard reports

All Cost Recon and Data Reports contain minor changes to headers, views, and variables to provide an up-to-date user experience.



For 03 (Cost) Recon Reports that prompt for a cost model ID, cost model ID 0 (zero) was filtered out from the selection list. CGL.TOT is used where applicable, and extra data and sheets that were previously necessary were removed before that column was brought into EDS.

- The *1 Cost Recon Dept Summary* included additional changes:
 - The data filter for the *ReclassDetail* restricts results to just expense and prevents statistics from contaminating the results.
 - Column AI (formerly titled, “Exclusions (CostCat Is Costed = False)”) was renamed “Costcats not included in costing” to avoid any confusion with method exclusions.
 - The restriction on this column that only provided data for direct and indirect columns was removed so that all sections provide data, if applicable.
- The *2 Cost Recon Dept Detail* changed actual quantity (AQ) changed to restrict results to expense.

► New unit cost report

Use the *5 Unit Cost Review* report to review unit cost reports before publishing reporting tables. This report resides under Reports Library\Enterprise Decision Support\03 Recon Reports\5 Unit Cost Review.

The report leverages *CostDetailCategoryCalculation* (CDCC) and *Cost Detail* tables (along with their Direct to Encounter counterparts), enabling you to review cost per unit results for one entity after all cost methods are processed.

Cost Per Unit Review

Cost Model = 40 and Entity = 2000

Total 1,001,346,582 66,308,587 212,230,505 281,518,888 Min 0.00
Ratio of cost to charges 0.06 0.19 0.26 Max 85.74

Dept	Dept Desc	Cost Item	Cost Item Description	Rev Code	Volume	Charges	Price	Fixed Cost	Variable Cost	Calculated Cost	Total CPU	Total CPU compared to Price
200061101 Neuroscience Center		I_16096372	HC INTRBJCT INJECTION (THERAPEUTIC, DR, PROPHYL)	80260	7	1,051	150.10	(0)	348	348	49.85	0.33
200061101 Neuroscience Center		I_16120552	HC TRIGGER POINT INJ 1-2 MUSCLES	80361	18	6,221	622.13	(0)	2,054	2,054	205.77	0.33
200061101 Neuroscience Center		I_16120553	HC TRIGGER POINT INJ 3+ MUSCLES	80361	21	14,776	701.40	(0)	4,867	4,867	232.72	0.33
200061101 Neuroscience Center		I_16120610	HC ASPIR AND/OR INJ MAJOR JOINT/BURSA W/O US GUIDANC	80361	1	430	429.76	430	430	860	859.52	2.00
200061101 Neuroscience Center		I_16162368	HC IMPLANT PUMP WITH REPROGRAM	80361	21	13,889	661.37	(0)	4,594	4,594	218.75	0.33
200061101 Neuroscience Center		I_16164405	HC INJ ANESTH OR STEROID GR OCCIPITAL NERVE	80361	1	629	629.06	629	629	1,258	1,258.12	2.00
200061101 Neuroscience Center		I_16164812	HC BOTOX/CHEMODNRVN MUSC/FACIAL INJ	80361	173	87,979	508.55	(0)	29,100	29,100	168.21	0.33
200061101 Neuroscience Center		I_16295813	HC EEG 60-115 MINUTES	80760	4	4,752	1,188.12	4,752	4,752	9,505	2,378.24	2.00
200061101 Neuroscience Center		I_16295818	HC EEG AWARE & DROWSY	80760	179	148,466	829.43	(0)	49,107	49,107	274.34	0.33
200061101 Neuroscience Center		I_16295951	HC EEG W/VIDEO-EACH 24 HRS	80760	9	12,738	1,359.77	9,518	9,518	19,037	2,115.20	1.56
200061101 Neuroscience Center		I_16319211	HC OUTPATIENT VISIT LEVEL 1 - ESTABLISHED	80761	118	19,538	161.58	(0)	6,462	6,462	46.83	0.33
200061101 Neuroscience Center		I_16319212	HC OUTPATIENT VISIT LEVEL 2 - ESTABLISHED	80761	1,264	283,515	224.30	(0)	93,775	93,775	74.19	0.33
200061101 Neuroscience Center		I_16319213	HC OUTPATIENT VISIT LEVEL 3 - ESTABLISHED	80761	4,178	1,240,866	297.00	(0)	410,425	410,425	98.23	0.33
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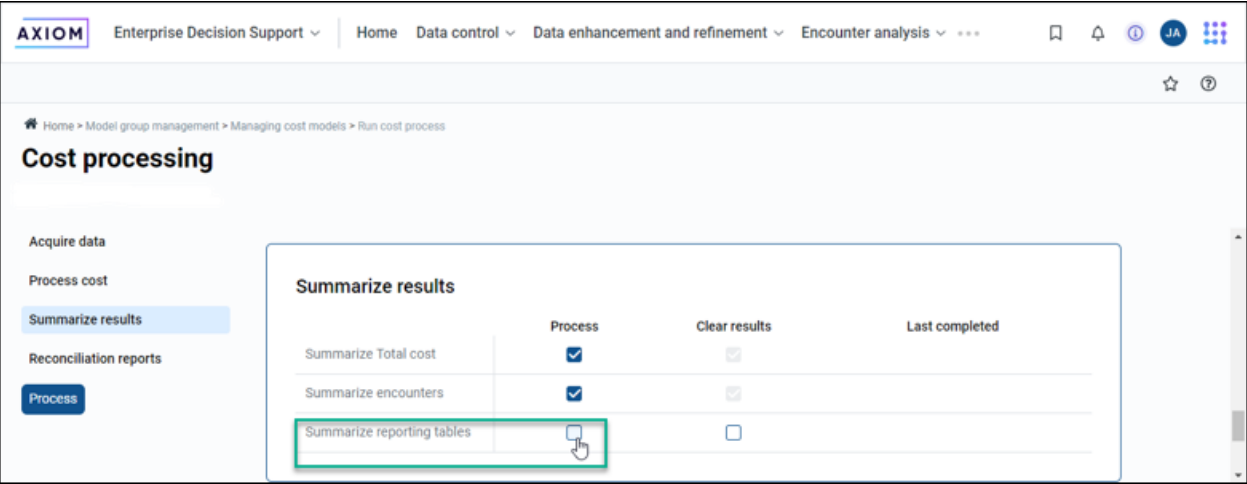
What’s new in version 2023.3.9

Welcome to Version 2023.3.9 of Axiom Enterprise Decision Support!

This release of Axiom Enterprise Decision Support includes the following enhancements:

► Publish Reporting Tables job enhancements

The Publish Reporting Tables job was enhanced to support more efficient processing. This part of costing is still initiated from the Run Cost Process page, as it was previously, but the underlying job was improved to overcome challenges with temporary table space and job durations.



What's new in version 2023.3.10

Welcome to Version 2023.3.10 of Axiom Enterprise Decision Support!

This release of Axiom Enterprise Decision Support includes the following enhancements:

► Encounter payment table added to Table to filter dropdown in Add Revenue Distribution page

The following enhancements were made to the **Add revenue distribution** page:

- Added Encounter payment table to Table to filter dropdown.
- [1] Encounter Payment selection shown in the Population filter section when adding a revenue distribution.
- [2] Encounter Payment shown as a selection in the Basis table in the Aggregation settings section.
- [3] Encounter payment columns shown in the Basis columns section when user selects Encounter payment in the Basis table (columns with numeric datatypes only, except AuditColumn).

Add revenue distribution

Name

Description (optional)

Table to filter

Encounter payment

Transaction type

Payments

Adjustments

1

Population filter

Encounter payment

and

Discharge date

From

09/06/2023

To

09/06/2023

2

Aggregation settings

Basis table

Encounter payment

Basis column

Aggregation methods

3

Revenue information

Revenue to be distributed

Cancel

Save

► Definition identification number added to Reclass and Allocation error messages

For troubleshooting ease, processing output for Reclasses and Allocations show the definition ID number when definitions fail for any reason.

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► Numeric AgeValue column added to the Age reference table

An AgeValue column was added to the Age reference table for easy use in Visual Insights or any other reports.

NOTE: A script in the upgrade attempts to convert the Age.Age string values into numeric values for this column, so review your table to see if you need to make any additional updates to complete this information for your reporting users.

► TotalCost column added to D2E_CostDetailcategoryCalculation and TransactionDetailcategoryCalculation tables

To simplify reporting, a calculated column, TotalCost, was added to the Direct to Encounter_CostDetailcategoryCalculation (D2E_CostDetailcategoryCalculation) and TransactionDetailcategoryCalculation tables. The TotalCost column shows the sum of the VariableCost and FixedCost columns.

► New columns added to CDTC, D2E CostDetail, and ETC tables

New columns were added to the Cost Detail Total Costs (CDTC), D2E CostDetail, and Encounter Total Costs (ETC) tables:

- TotalFixedCost (populated with values from TotalFixedDirectCost and TotalFixedIndirectCost).
- TotalVariableCost (populated with values from TotalVariableDirectCost and TotalVariableIndirectCost).
- TotalDirectCost (populated with values from TotalFixedDirectCost and TotalVariableDirectCost).
- TotalIndirectCost (populated with values from TotalFixedIndirectCost and TotalVariableIndirectCost).
- TotalCost (populated with values from TotalFixedDirectCost , TotalFixedIndirectCost, TotalVariableIndirect, and TotalVariableDirectCost).

Adding these columns minimized manually adding costs from the current columns.

What’s new in version 2023.3.11

Welcome to Version 2023.3.11 of Axiom Enterprise Decision Support!

This release of Axiom Enterprise Decision Support includes the following enhancements:

► **Revenue Distribution: Updated maximum dollar value allowed**

- Updated maximum value to 99,999,999,999.99
- Update minimum value to -99,999,999,999.99

Add revenue distribution

Name

testia

Description (optional)

Table to filter

CostDetail

Active

Transaction type

Payments

Adjustments

1

Population filter

CostDetail

and

Discharge date

From

05/02/2024

To

05/02/2024

2

Aggregation settings

Basis table

CostDetail

Basis column

EncounterID

Aggregation methods

COUNT

3

Revenue information

Revenue to be distributed

99999999999.99

[95499]

What's new in version 2023.3.12

Welcome to Version 2023.3.12 of Axiom Enterprise Decision Support!

This release of Axiom Enterprise Decision Support includes the following enhancements:

► Security updates

A new security role exists:

- **Visual Insights** for Axiom Intelligence Models/Enterprise Decision Support Visual Insights Models folders [83307]
 - Role name: EDS Visual Insights Admin
 - Subsystems: DSS
 - Permissions: Browse Model Analytics and Create BI Models
 - File access:
 - Enterprise Decision Support\01 Custom Costing Reports: Read/Write
 - Enterprise Decision Support\50 Visual Insights Dashboards: Read/Write
 - Axiom Intelligence Models\Enterprise Decision Support Visual Insights Models: Read/Write

The following security role updates consist of:

- Costing Admin: Read/Write access for Reports Library/Enterprise Decision Support folder [90111]
- DSS Admin: Read/Write access for Reports Library/Enterprise Decision Support folder [90980]
- DSS Analyst: Read/Write access for Reports Library/Enterprise Decision Support folder [90995]
- DSS User: Read access for Reports Library/Enterprise Decision Support folder [90996]
- EDS Dashboard Security Admin: Read/Write access for Reports Library/Enterprise Decision Support folder [91000]
- EDS Dashboard: Read access for Reports Library/Enterprise Decision Support folder [91002]
- EDS Dashboard: Access to Visual Insights files [83351]
- DSS subsystems: Read/Write access for Reports Library/Enterprise Decision Support folder [91004]
- CA subsystems for Reports Library/Enterprise Decision Support folder [91008]
- Costing Admin for Table Type access to the following tables to audit and modify data: [90113]
 - EDS Staging: Read/Write
 - EDS Staging Data: Read/Write
 - Episodic Grouper Data: Full Read
 - Episodic Grouper Reference: Full Read
 - Service Lines: Full Read access and Read only
 - Service Line Data: Full Read access and Read only

- Cost DSS Import Admin for Table Type access to the following tables to audit and modify data: [90115]
 - EDS Staging: Read/Write
 - EDS Staging Data: Read/Write
 - EDS Core: Read/Write
 - EDS Core Data: Read/Write
 - EDS Reference: Read/Write
 - Payroll: Read/Write
 - Financial: Read/Write
 - Cost Model: Read/Write
 - Cost Model Data: Read/Write
- Costing Admin for Visual Insights access to Axiom Intelligence Models/Enterprise Decision Support Visual Insights Models folders [83313]
- DSS Admin for Visual Insights access to Axiom Intelligence Models/Enterprise Decision Support Visual Insights Models folders [83339]:
 - Permissions: Browse Model Analytics and Create BI Models
 - File access: Axiom Intelligence Models/Enterprise Decision Support Visual Insights Models- Read only
- DSS Analyst for Visual Insights access to Axiom Intelligence Models/Enterprise Decision Support Visual Insights Models folders: [83340]
 - Permissions: Create BI Models
 - File access: Axiom Intelligence Models/Enterprise Decision Support Visual Insights Models: Read only
- DSS User role for Visual Insights access to Axiom Intelligence Models/Enterprise Decision Support Visual Insights Models folders: [83341]
 - Permissions: Create BI Models
 - File access: Axiom Intelligence Models/Enterprise Decision Support Visual Insights Models: Read only
- EDS Dashboard Security Admin for Visual Insights access to Axiom Intelligence Models/Enterprise Decision Support Visual Insights Models folders: [83342]
 - File access: Enterprise Decision Support: Read/Write
- EDS Dashboard User for Visual Insights access to Axiom Intelligence Models/Enterprise Decision Support Visual Insights Models folders: [83351]
 - File access: Enterprise Decision Support: Read

► 3M GPCS interface version update

3M Grouper Plus Content Services (GPCS) Interface Version and Scheduler API update [97346]

What's new in version 2023.3.14

Welcome to Version 2023.3.14 of Axiom Enterprise Decision Support.

This release of Axiom Enterprise Decision Support includes the following enhancement:

► **3M GPCS certificate update**

Updated the 3M Grouper Plus Content Services (GPCS) required by 3M by September 30, 2024 [103009]

What's new in version 2023.3.15

No new features were introduced in 2023.3.15, released on October 14, 2024.

What's new in version 2023.3.16

Welcome to Version 2023.3.16 of Axiom Enterprise Decision Support.

While no new functionality was added or enhanced in Axiom Enterprise Decision Support, it does deliver enhancements from Axiom Version 2023.3. For more information, see [Axiom 2023.3 Release Notes](#).

What's new in version 2023.3.17

Welcome to Version 2023.3.17 of Axiom Enterprise Decision Support released on December 17, 2024.

This release of Axiom Enterprise Decision Support includes the following enhancement:

► Security updates

Security for the DSS Analyst role was modified to ensure read-only access for the following table types to import, audit, and modify data. These changes ensure uninterrupted reporting within EDS: [110077]

- EDS Staging and EDS Staging Data
- EDS Core and EDS Core Data
- EDS Reference
- Cost Model and Cost Model Data
- Cost Results
- Episodic Grouper Data and Episodic Grouper Reference
- Service Line and Service Line Data

What's new in version 2023.3.18

Welcome to Version 2023.3.18 of Axiom Enterprise Decision Support released on February 18, 2025.

While no new functionality was added or enhanced in Axiom Enterprise Decision Support, it does deliver enhancements from Axiom Version 2023.3. For more information, see [Axiom 2023.3 Release Notes](#).

What's new in version 2023.3.19

Welcome to Version 2023.3.19 of Axiom Enterprise Decision Support released on April 19, 2025.

While no new functionality was added or enhanced in Axiom Enterprise Decision Support, it does deliver enhancements from Axiom Version 2023.3. For more information, see [Axiom 2023.3 Release Notes](#).

What to know before upgrading

IMPORTANT: You must apply the latest Axiom upgrade before applying any 2023.3 Axiom product upgrades. Axiom upgrades are backward compatible so you can upgrade different products at different times, but you must upgrade to Axiom 2023.2 before the first product upgrade. Refer to the **Axiom Release Notes** for consideration before upgrading.

When upgrading to the 2023.3 version of Axiom Enterprise Decision Support, note the following:

- You can replace Syntellis reports. Any report that you created or saved under a different name remains unchanged. Revised reports are available in Document History.
- Any Syntellis report that was moved to a new location is automatically returned to its original location.
- Syntellis product templates and calculation method libraries are replaced.
- Product task panes are replaced.
- Process definitions are not replaced. Process Manager will not currently work with the new system tables and web-based pages and utilities. Please review and potentially revise any Cost Accounting process definitions, depending on the scope and tasks that were created and are in use.
- Driver files are replaced.
- Security roles and subsystems are reset to their configured settings. Your user security exceptions remain intact.
- Specific items that are configured as part of your company or organization's implementation, such as imports, exports, driver files, and process management files, remain unchanged. Any required modifications to these areas are described in the release notes. For example, Process Manager-defined processes for Cost Accounting must be modified by Client Success and have limitations with accessing web-based tasks.
- Shared tables might have any of the following changes:
 - Columns reordered
 - New columns added
 - Old columns removed (rare)

If you copy and paste into or from Axiom tables, review the column order of those tables after upgrading to assess the impact to your internal processes.

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 by creating a [support ticket](#) 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 directly within the Axiom system. Axiom Help provides topics, release notes, webinar/training announcements, and videos to guide you through managing your system.

To access these resources, click **Online Help** from the **Main** or **Admin** tabs, and then select the product. Axiom Help opens in a new browser. The online help opens only for products you are licensed to use.

► Syntellis Central

[Syntellis Central](#) provides centralized self-service content and resources for the Axiom Healthcare Suite 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 and certification content, including on-demand, video, webinars, labs, and instructor-led courses.
- Ask a question in the peer-to-peer Syntellis Community.
- Submit a Support issue, find suggested content, and manage any outstanding issues directly with Support.

Issues fixed in 2023.3

The following table lists resolutions for issues addressed in 2023.3, released on August 28, 2023:

Issue	Description
Publish Reporting Tables – subtotal columns not calculating appropriately [54160] [54167] [51869]	Summary: For some users, total and subtotal columns were not calculated correctly. Resolution: Modified the Publish Reporting Tables job that uses underscores in costcat names and various costcat configurations.
Provider RVU not clearing results after process when only clear result checkbox selected [51898]	Summary: Provider RVU is not clearing the results after processing when user only selects Clear Result checkbox. Resolution: Code fixed to check for correct configuration in deciding if Provider RVU results need to be cleared.
Encounter Dirty Transform missing on CostDetail from Staging table [53947]	Summary: Encounter Dirty Transform was missing from the Staging table on CostDetail. Resolution: A new transform was added to the transform list for the CostDetail from the Staging table.
Revenue Modeling - AgeAtAdmission is pulling AgeID [55073]	Summary: AgeOfAdmission field was being populated with AgeID, not Age, as expected. Resolution: AgeOfAdmission field is populated correctly with Age.

Issues fixed in 2023.3.1

The following table lists resolutions for issues addressed in 2023.3.1, released on September 11, 2023:

Issue	Description
[63801]	<p>Summary: The Save function was not successful even though no errors were present. Instead, the browser window displayed a 'Pending' spinner, the definition was not saved, and the system locked up. All processes that wrote changes to the database (such as cost processing, opening the desktop application, running ETLs, and so on) could no longer proceed and no error messages were displayed informing users of what happened.</p> <p>Resolution: The Save function now works correctly without errors and associated tables are populated with the correct information. If users attempt to save something that is invalid, errors explicitly state the issue.</p>
[67948]	<p>Summary: Previously, users were required to activate or deactivate a revenue distribution entry to track which entries applied and which were no longer active. Add revenue distribution and Edit revenue distribution pages provide the following functionality:</p> <ul style="list-style-type: none">• Activate/deactivate entry within the entry.• Activate/deactivate entry within the main page.• View the entry Active status in the main page.• View only the active entries Prevent inactive entries from being processed. <p>Resolution: All new functionality is now incorporated into the feature.</p>
[69196]	<p>Summary: The cost model number was missing on the following pages:</p> <ul style="list-style-type: none">• Dimension versions, manual statistics, and adjustments• Methods• Reclasses and allocations• Cost processing <p>Resolution: The cost model number now appears on these pages.</p>

Issues fixed in 2023.3.2

No client-facing issues were addressed in 2023.3.2, released on September 14, 2023.

Issues fixed in 2023.3.3

The following table lists resolutions for issues addressed in 2023.3.3, released on October 9, 2023:

Issue	Description
[65000]	<p>Summary: For customers upgrading from 2023.2, to prevent data loss, see the following key features.</p> <p>Resolution: Added new mapping between EncounterProcedureStaging to EncounterProcedure Table.</p> <p>Added new mapping between EncounterProcedureStaging to EncounterProcedure Table for the new column - Version\Axiom\Imports Library\EDS\Staging to Production\EncounterProcedure from Staging.axi.</p>

Issues fixed in 2023.3.5

The following table lists resolutions for an issue addressed in 2023.3.5, released on November 6, 2023:

Issue	Description
[81058]	Summary: Reclasses ignored output from previous reclasses when users selected basis data. Resolution: Reclasses and previous reclass results are included in the basis during processing.

Issues fixed in 2023.3.7

The following table lists resolutions for issues addressed in 2023.3.7, released on December 18, 2023:

Issue	Description
[51724]	<p>Summary: Place of Service, Cost Detail, Cost Detail staging, and extract, transform, and load (ETL) fields needed to be lengthened from 5 to 25 characters to match Epic codes.</p> <p>Resolution: Columns were lengthened to 25 characters in reference tables to allow standard acceptance of source data, improve consistency across reference tables, and reduce customization.</p>
[52081]	<p>Summary: The structure of the SQL in the transform to CostDetail from the Staging import needed to be upgraded to improve performance when updating Encounter Dirty.</p> <p>Resolution: Syntax changes were made to the transform to improve performance when updating Encounter Dirty.</p>
[69794]	<p>Summary: On the Process cost page, the Costing General Ledger (CGL) load did not clear the completed dates for reclasses and allocations.</p> <p>Resolution: When importing the CGL, Clear results check boxes were marked and subsequently cleared upon processing for any previously run items on the Process cost grid. Summarization results were not marked to be cleared as part of this process.</p>
[77182]	<p>Summary: Encounter.BillStatus data columns needed to be lengthened from 5 to 25 characters.</p> <p>Resolution: Columns were lengthened to 25 characters in reference tables to accept standard source data, improve consistency across reference tables, and reduce customization.</p>
[79788]	<p>Summary: On the Define Populations page, definitions were not processed when users clicked Process Batched Definitions.</p> <p>Resolution: On the Scheduled Processing Settings page, when users click OK, definitions are processed.</p>

Issues fixed in 2023.3.8

The following table lists the resolution for an issue addressed in 2023.3.8, released on January 22, 2024:

Issue	Description
[86198]	<p>Summary: 3M™ Grouper Plus Content Services (GPCS) - certificate expired January 1, 2024.</p> <p>Resolution: Users must update their 3M™ Grouper Plus Content Services (GPCS) certificate, effective January 1, 2024.</p>

Issues fixed in 2023.3.9

The following table lists the resolution for an issue addressed in 2023.3.9, released on February 26, 2024:

Issue	Description
[86198]	<p>Summary: Some users received <i>Cannot insert duplicate key row in object</i> dialog when summarizing a cost model.</p> <p>Resolution: Users must set InterimCostCCR table as the table type of CostResults, which includes the type in the appropriate truncate action during processing.</p>

Issues fixed in 2023.3.10

The following table lists the resolutions for issues addressed in 2023.3.10, released on March 25, 2024:

Issue	Description
[51989]	<p>Summary: Import errors occurred when using standard transform to add new Place of Service values to a database during CostDetail imports.</p> <p>Resolution: Lengthened column to 50 characters for PlaceOfService.Description.</p>
[64655]	<p>Summary: Data Management Engine (DME) processing task auto ran generated errors.</p> <p>Resolution: The following scheduled jobs are no longer automatically scheduled to run upon install or upgrade and must be configured manually according to your organizational data import schedule:</p> <ul style="list-style-type: none">• Trigger Import DME Data• Trigger DME Processing
[80933] [83343]	<p>Summary: Starting and ending balance columns did not appear correctly with the Reclasses tab and Allocations tab.</p> <p>Resolution: Corrected formulas on the Reclasses tab and Allocations worksheets that referenced were the incorrect Process Group IDs.</p>
[84932]	<p>Summary: <i>03 Recon Reports</i> did not display the reclass section properly for some customers.</p> <p>Resolution: Modified the report to display the reclass section as intended.</p>
[74132]	<p>Summary: Encounter Payment was not available to use in definition filter criteria for Revenue Distributions.</p> <p>Resolution: Added the Encounter Payment table as an option to use in definition filters.</p>

Issues fixed in 2023.3.11

The following table lists the resolutions for issues addressed in 2023.3.11, released on May 6, 2024:

Issue	Description
[74290]	<p>Summary: In the Modify a cost model dialog, when a user clicked Back or Close, the Unsaved changes dialog was hidden behind the primary dialog.</p> <p>Resolution: The Unsaved changes dialog for the cost model dialog is visible.</p>
[84380]	<p>Summary: Users were unable to delete definitions in a Direct to Encounter (D2E) definition.</p> <p>Resolution: The definition is removed if no related records are available. The dialog reflects this event.</p> <p>If you delete a definition and rerun D2E for a cost model, all previous model results truncate for the specific D2E and CostDetailCategoryCalculation (CDCC) tables. No D2E data is removed from D2E_CostDetailTransactionMapping and no D2E data is removed from CostItem and Cost Relative Value Untis (CostRVU) tables.</p>
[85216]	<p>Summary: Ratio of Cost to Charge (RCC) costing using (cost per unit * volume) to distribution cost across transactions within each encounter caused transactions on an encounter with the same cost item but differing charge amounts to have the same unit cost.</p> <p>Resolution: The calculation was updated when populating the CDCC table to use a ratio-based calculation at the transaction level.</p>

Issues fixed in 2023.3.12

No client-facing issues were addressed in 2023.3.12, released on June 17, 2024.

Issues fixed in 2023.3.14

The following table lists the resolution for an issue addressed in 2023.3.14, released on September 23, 2024:

Issue	Description
[104223]	<p>Summary: Direct to Encounter (D2E) job failed.</p> <p>Resolution: Fixed code so that any exception thrown in EDS is properly reflected in EDSTaskExecution and in the job's Results.</p>

Issues fixed in 2023.3.15

The following table lists the resolution for an issue addressed in 2023.3.15, released on October 14, 2024:

Issue	Description
[106462]	<p>Summary: Costing variances were calculated incorrectly.</p> <p>Resolution: Implemented changes to use the same Cost Per Ratio of Cost to Charge (CostPerRCC) value to calculate cost in CostResults rather than at the CostDetailCategoryCalculationReporting (CDCC) level. This change eliminated the cost variance in the following scenarios:</p> <ul style="list-style-type: none">• CalculatedCost• FixedCost• FixedCPU• VariableCost• VariableCPU
[107943]	<p>Summary: Cost model entities were not changed correctly. .</p> <p>Resolution: Fixed the code when searching for AssignmentVersions with the same set of Entities. The comparison is done by ID field.</p> <p>When users save a cost model, the list of entities is compared with the existing cost model. If there are no changes, everything remains as is. A new version is not created.</p> <p>If the list of entities changed, an attempt is made to find the same set of entities in versions assigned to other cost models. If none are found, a new version is created and the entity is assigned.</p>

Issues fixed in 2023.3.16

The following table lists the resolution for an issue addressed in 2023.3.16, released on November 11, 2024:

Issue	Description
[107013]	Summary: The Publish Reporting Tables (PRT) job failed due to resource/partition overload.
[105846]	Resolution: Refined partitions and PRT assets so PRT job ran successfully.
[111874]	Summary: Revenue distribution definitions did not function correctly when distributing negative values. Resolution: Revenue distribution processing inserts positive or negative distribution amount into the EncounterPayment table.

Issues fixed in 2023.3.17

The following table lists the resolution for an issue addressed in 2023.3.17, released on December 17, 2024:

Issue	Description
[114695]	<p>Summary: DivideByZero exceptions occurred in ProviderRVU.</p> <p>Resolution: Updated Provider RVU cost method calculations to protect against divide by zero errors and prevent processing failure.</p>

Issues fixed in 2023.3.18

The following table lists the resolutions for issues addressed in 2023.3.18, released on February 18, 2025:

Issue	Description
[116162]	<p>Summary: Pre- and post-encounter measures related to the anchor by PatientId were outside the time interval specified in the definition configuration due to rounding.</p> <p>Resolution: The pre- and post-encounter selection includes only those encounters that precisely match the time filter specified in the definition.</p>
[116684]	<p>Summary: Following EDS 2023.3.16 patch, some non-costed transactions from Cost Detail were not included in the CostDetailCategoryCalculationReporting table when the Publish Reporting Tables job was run.</p> <p>Resolution: Updates were made to include all non-costed records and accurately categorizes them as Cost Model zero.</p>
[117747]	<p>Summary: Due to sorting and time frame ties, Encounter Measures generated different results when reprocessing with the same parameters if:</p> <ul style="list-style-type: none">• The data contained potential pre- and post-encounters with the same admit date time and• The configuration did not allow anchors to be in multiple returns and• The encounters were configured to only be included in the "First" episode. <p>Resolution: In Clinical Encounter Measures (CEM) processing, selecting unique encounters for the "First" option adds a second sort by the encounterid field(the first sort is by day)s. This changr ensures an unambiguous sort order with the same value in the Days/Hours field.</p>
[118187]	<p>Summary: For encounter measures, when pre- and post-anchors were both configured as "First time," the valid post-anchor was not captured under certain circumstances.</p> <p>Resolution: The processing logic was adjusted to ensure valid post anchors were not excluded for selection after pre-anchors were identified.</p>

Issues fixed in 2023.3.19

The following table lists the resolution for an issue addressed in 2023.3.19, released on April 14, 2025:

Issue	Description
[120687]	<p>Summary: In certain circumstances, the Revenue Distribution function in the web was unable to retrieve data from related tables to display on the page.</p> <p>Resolution: Improvements were made in the Angular triggers and listeners that compile the page at time of use.</p>

Technical considerations

No technical considerations or instructions needed for this release.