

Release Notes Axiom Decision Support Version 2019.3



KaufmanHall

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Summary

Kaufman Hall is pleased to announce the 2019.3 release of Axiom Decision Support. 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.

Summary of the upgrade process:

NOTE: The upgrade process listed below only applies to on-premise installations and not cloud products.

- 1. **Review product release notes** Review this document to familiarize yourself with the new features and functionality.
- 2. Schedule an installation date Contact support@kaufmanhall.com or your implementation consultant, and they will confirm an installation period with you.
- 3. Back up Axiom database Kaufman Hall will confirm that you have a current backup of your Axiom database before applying the upgrade.
- 4. **Apply upgrade** Arrange with your IT staff on an agreeable time for scheduled downtime to apply the program and product upgrade. This includes any post-upgrade hot-fix files that need to be copied into the system to address any post-release known issues that have been resolved.
- 5. **Complete manual updates** After installing the upgrade, if needed, review any manual setup steps needed to enable features for this version.

Support

As always, we appreciate your support of Kaufman Hall and look forward to continuing to meet your financial management needs. If you have any questions about your upgrade, contact Kaufman Hall Software Support at 1-888-543-6833 or support@kaufmanhall.com.

Training

Kaufman Hall offers multiple training options for our customers. These courses are part of your maintenance agreement and are free of charge. We strongly urge you to take advantage of all training options, including:

- Self-help videos
- Recorded webinars
- Virtual training courses

Product upgrade notes

IMPORTANT: You must apply the Axiom Software 2019.3 upgrade before applying any 2019.3 Axiom product upgrades. Axiom Software upgrades are backwards compatible so you can upgrade different products at different times, but you must upgrade to the Axiom Software 2019.3 *before* the first product upgrade. Refer to the Axiom Software 2019.3 Release Notes and Axiom Healthcare Suite 2019.3 Release Notes for considerations before upgrading. Apply this update ONLY if you have already applied the 2019.3 release and completed all the manual setup steps from the corresponding release notes.

When upgrading to the 2019.3 version of Axiom Decision Support, keep in mind the following:

- This product upgrade contains new tables, columns, updated templates, reports, scripts/imports and remediated defects.
- KHA 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 KHA delivered report that you moved to a new location since the last upgrade will automatically move back to its original location.
- KHA product templates and calculation method libraries will be replaced.
- Product task panes will be replaced.
- Process definitions will not 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.

New features summary

Axiom Decision Support 2019.3 provides the tools you need to assist with the timely analysis needed to make data-driven decisions regarding your service lines. The new 2019.3 features provide a mechanism to easily monitor service line performance to help drive strategic expansion and go-forward business decisions. They also provide accurate and timely cost accounting information to drive efficiencies.

This section includes a description for each new feature included in this release.

Role-based dashboards

The new Axiom Intelligence Service Line Dashboard reports provide insight into services to help you manage your business and maximize performance across the continuum, ensuring the proper care at the rate place, time, and by the correct provider.

Axiom Decision Support includes three dashboards that are organized into service lines across three major patient types:

NOTE: Click the link for each dashboard to see details about each.

• Inpatient Service Line Dashboard

• Outpatient Service Line Dashboard

SS Reporting Executive Outpet	tient Service Line Su	mmary					
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224,189 \$501,183,274 Visto Grounder	4 \$113,051,443	\$464,996 Direct Cost	\$112,5		5267,182	\$112,319, Net Margin	265
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• Professional Billing Service Line Dashboard



Along with the dashboards listed above, the system also comes with five example reports that are used as part of the video training series.

TIP: The online help home page also provides links to these videos.

For more information on managing the Service Line Dashboard reports, see Reporting mode and the list of Reporting Mode - Web Tutorials in this document.

Inpatient Service Line Dashboard

The Inpatient Service Line Dashboard displays a view of all the service lines, with the ability to drill through to any service line at a trend level, volume view, revenue view, and cost view.

NOTE: Requires that your organization uses DSS PtType, and Service Line uses PrimaryService.name.

Executive Inpatient Service Line Summary page

The Executive Inpatient Service Line Summary page serves as the main home page for the dashboard and includes the following sections:

- Slicers Allows you to filter data by time (calendar year, quarter, month), entity, and financial class
- Metrics Card Displays KPI data for cases and ALOS, gross and net revenue, direct and indirect cost, and direct and net margin
- Service Line Profitability Analysis Displays a profitability visualization of the direct margin per case vs. the average length of stay
- Key Metrics Detail by Primary Service Line Displays the values related to profitability for each service line.

Calendar Year	Qu	arter		All	onth	Al	Entity	AI	Financial Class	Slicers
8,416 3.9 Cases ALOS	\$30	9,384,364 Revenue	4 \$75,1 Net Rev	43,453	\$127,676,28 Direct Cost			085,980 -\$	82,618,809 t Margin	——— Metrics Card
ervice Line Profitability Analysis							,			
8						,			•	
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-\$150 -\$200K -\$150	ĸ	-\$10	юк	Deed	-\$50K Margin Per Case	sok		\$50K	\$100	
Primary Service Line	Cases	ALO:	S Gross	Rev Per Case	Net Rev Per Case	Write Off %	Direct Cost Per Case	Direct Margin Per Case	Contribution Margin Per Case %	
HOPEDICS - SURGICAL	-	728	2.0	\$59,418	\$14,393	75.8%	\$8,111	\$6,282		
DIOLOGY - MEDICAL		718	3.8	\$25,605	\$5,919	76.9%	-\$1,020	\$6,939		
MAL NEWBORN		564	2.0	\$4,288	\$1,474	65.6%	\$1,790	-\$316 🥘	-21.4%	
TROINTESTINAL DISEASE - MEDICAL		533	3.7	\$26,959	\$5,413	79.9%	\$51,912	-\$46,500 🧕		
IONOLOGY		400 394	3.9 3.7	\$25,583 \$24,856	\$6,151 \$5,961	76.0%	\$1,801	\$4,351		
HATRY	- 2	394	5.1	\$19,197	\$4,007	79.1%	\$2,055	\$1,952		——— Key Metrics Detail by
4ATE		334	5.8	\$16,453	\$5,512	66.5%	\$6,853	-\$1,341 🧶		
OLOGY	-	289	4.0	\$31,421	\$6,909	78.0%	\$54,933	-\$48,024 🧕		Primary Service Line
ROINTESTINAL DISEASE - SURGICAL		189	6.7	\$82,671	\$20,792	74.8%	\$40,610	-\$19,818 🧶	-95.3%	
E	- -	156	3.2	\$88,323	\$24,210	72.6%	\$11,526	\$12,684 🥘	52.4%	
ERAL SURGERY		152	6.8	\$84,694	\$17,518	79.3%	\$135,709	-\$118,191 🧕	-674.7%	
HROLOGY		128	4.5	\$28,616	\$5,415	81.1%	\$1,770	\$3,645 🥘	67.3%	
ninocouri								\$22 738		

Slicers

From the slicer drop-downs, you can select a combination of the available options to select the parameters to include in the views.

Calendar Year		Quarter			Month	Entity		Financial Class
2017	\sim	Q1 Q1 Q2	^	All	~	All	~	All
4,257 Cases	4.0 ALOS	© Q2 © Q3 □ Q4		\$38,866,192 Net Revenue	\$84,384,949 Direct Cost	-\$45,518,757 Direct Margin	\$15,618,82 3 Indirect Cost	3 -\$61,137,580 Net Margin

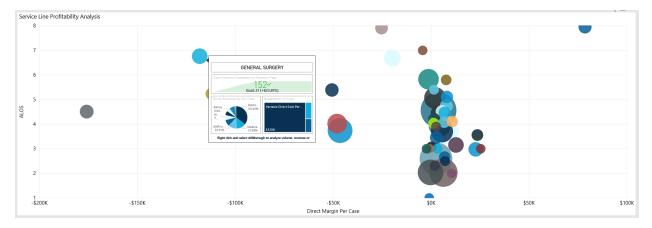
Metrics Card

As you select the different options from the slicer drop-downs, the totals in the Metrics Card adjust accordingly.

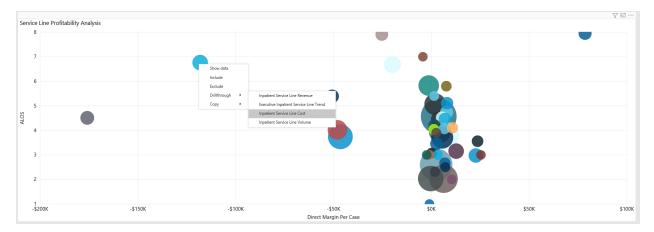
8,416	3.9	\$309,384,364	\$75,143,453	\$127,676,282	-\$52,532,829	\$30,085,980	-\$82,618,809
Cases	ALOS	Gross Revenue	Net Revenue	Direct Cost	Direct Margin	Indirect Cost	Net Margin

Service Line Profitability Analysis

The Service Line Profitability Analysis section provides a visualization of your profitability across service lines. You can view details about a specific service line by placing your cursor on a circle. The system displays a tool tip that provides information on the case volume compared to the previous year, the gross revenue by financial class, and a breakdown of costs.



You can drill down further by right-clicking the dot, and from the menu, selecting the drillthrough reports to display.



The available drillthrough reports include the following:

- Executive Inpatient Service Line Trend
- Inpatient Service Line Revenue
- Inpatient Service Line Cost
- Inpatient Service Line Volume

Key Metrics Detail by Primary Service Line

The Key Metrics Detail table shows information regarding the details of the key metrics.

Financial Class Description	Cases	ALOS	Gross Rev Per Case	Net Rev Per Case	Write Off %	Direct Cost Per Case	Direct Margin Per Case	Contribution Margin Per Case %
⊞ Medicare	52	7.1	\$87,773	\$17,000	80.6%	\$158,117	-\$141,117 🦲	-830.1%
UMR UHC	26	5.1	\$63,930	\$19,829	69.0%	\$6,173	\$13,656 🔘	68.9%
+ Medicare UHC	25	6.6	\$69,924	\$8,571	87.7%	\$515,856	-\$507,285 🦲	-5918.6%
+ Medicaid HMO	12	4.9	\$78,918	\$7,071	91.0%	\$9,269	-\$2,199 🦲	-31.1%
+ Medicare HMO	10	11.4	\$117,941	\$14,004	88.1%	-\$33,837	\$47,841 🔘	341.6%
Medicaid	7	7.7	\$85,820	\$17,618	79.5%	\$10,205	\$7,413 🔘	42.1%

Inpatient Service Line Dashboard - Drillthrough reports

This section includes the drillthrough reports available in the Service Line Profitability Analysis section of the Inpatient Service Line Dashboard.

Executive Inpatient Service Line Trend

This page displays the key metrics trend by service line.

DSS Reporting E	Executi	ve li	npatie	nt Ser	vice L	ine Tı	rend			CANCER - M	IEDICAL		E
Calendar Year				Quar	ter			Month			tity	Financial	Class
2017	~		All			~	A	11	~	All	~	All	
95 Cases	5.4 _{ALOS}		54	\$4,43 Gross Re	33,119 evenue		\$1,54 Net Reven			-\$4,813,93 Direct Margin	31 \$467,591 Indirect Cost	-\$5,28 Net Margir	
Year				201	7								
Quarter			Q1			Q2							
Name	Jan	iuary	February	March	April	May	June						
ANCER - MEDICAL													
Cases		17	13	19	14	20	12						
ALOS		5.5	4.6	6.5	5.0	4.6	6.2						
Gross Revenue Per Case	\$4	7,188	\$42,571	\$58,957	\$32,265	\$43,545	\$52,891						
Net Revenue Per Case	\$2	4,888	\$17,254	\$18,529	\$11,401	\$12,211	\$12,141						
Write Off %	2	47.3%	59.5%	68.6%	64.7%	72.0%	77.0%						
Direct Cost Per Case	\$	8,931	\$4,631	\$5,210	-\$5,060	\$306,78 4	-\$1,081						
Direct Margin Per Case	\$1	5,956	\$12,623	\$13,319	\$16,460	-\$294,57	\$13,222						

Inpatient Service Line Revenue

- Top 10 Payors by Net revenue Per Case
 - Includes Inpatient Revenue Bar Chart tool tip
- Gross Revenue by Payor
 - Includes Inpatient Revenue Pie Chart tool tip
- Top 10 Cities with Highest Revenue Per Case
- Revenue Details by Financial Class



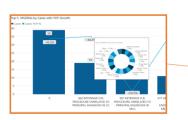
Inpatient Service Line Cost

- Top 10 MSDRGs by Total Cost Per Case
- Variable Direct Cost Per Case by Financial
- Admitting Provider Comparison Cost Per Case ALOS Variable Direct Cost Per Case
 - Inpatient Cost Scatter Chart tool tip
- Variable Direct Cost Per Case by Day of Stay
 - Inpatient Cost Tree Map tool tip
- Cost Per Case Detail

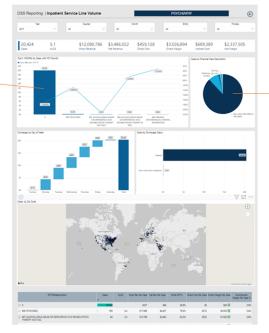


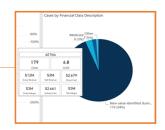
Inpatient Service Line Volume

- Top (N) MSDRGs by Cases with YOY Growth
 - Inpatient Volume Bar Chart tool tip
- Cases by Financial Class Description
 - Tool Tip: Inpatient Revenue Pie Chart tool tip
- Discharges by Day of Week
- Cases by Discharge Status
- Cases by Zip Code



Tool Tip: Top (N) MSDRGs by Cases with YOY Growth





Tool Tip: Cases by Financial Class Description

Outpatient Service Line Dashboard

The Outpatient Service Line Dashboard displays a view of all the service lines, with the ability to drill through to any service line at a trend level, volume view, revenue view, and cost view.

NOTE: Requires that your organization uses DSS PtType, and Service Line uses PrimaryService.name.

Executive Outpatient Service Line Summary page

The Executive Outpatient Service Line Summary page serves as the main home page for the dashboard and includes the following sections:

- Slicers Allows you to filter data by time (calendar year, quarter, month), entity, patient type, and financial class
- Metrics Card Displays KPI data for visits, gross and net revenue, direct and indirect cost, and direct and net margin
- Service Lines by Direct Margin Per Visit Displays a visualization of the direct margin per visit for each service line
- Key Metrics Detail by Primary Service Line Displays the values related to profitability for each service line

	ervice Line 3	ummary						
Calendar Year Quarter Month 2017 V All V	At	Entity	V AI	Patient Ty	*	Finan	cial Class	——— Slicers
	\$113,051,443 Net Revenue	-\$59,838 Direct Cost		72,890,018 tt Margin	\$48,291,2 Indirect Cost	36 \$124 Net Ma	,598,782 ^{rgin}	——— Metrics Card
enine Lines by Direct Margin Per Visit			ALLERGY AND	IMMUNOLOGY	UROLOGY	GENERAL ME But	ns and W Breast Health	
			\$1,504 GENERAL SURI \$860		\$609 SPINE \$395 ENDOCRINE		CARDIOL. ENT	Service Lines by Di Margin per Visit
9.011 Primary Service Line	Visits	Gross Rev Per Visit	PSYCHIATRY \$731 Net Rev Per Visit	Write Off %	\$387 GASTROENTER \$326 Direct Cost Per Visit	\$190	\$167 \$125 VASCULAR DERMA. \$136 Contribution Margin %	
	•							
ASSIGNED	3	\$3.69	50	102.0%	664	.164 🍑	Per Visit	
	3	\$348	\$0 \$89	100.0%	\$64	-\$64 🧶 -\$33 👰	Per Visit	
DNATOLOGY	3 86 445					-\$64 👼 -\$33 👰 \$2 👰	Per Visit - -37.7% 6.7%	
NNATOLOGY RMAL NEWBORN	86	\$502	\$89	82.3%	\$122	-\$33 🧶	Per Visit -37.7%	
NNATOLOGY RMAL NEWBORN ERGY AND IMMUNOLOGY	86 445	\$502 \$111	\$89 \$35	82.3% 68.1%	\$122 \$33	-\$33 🧕 \$2 🍥	Per Visit - -37.7% 6.7%	
DNATOLOGY IMAL NEWIGON IRGY AND IMMUNOLOGY ITHALMOLOGY	86 445 680	\$502 \$111 \$1,450	\$89 \$35 \$322	82.3% 68.1% 77.8%	\$122 \$33 -\$1,182	-\$33 👼 \$2 🚳 \$1,504 👰	Per Visit -37.7% 6.7% 467.4%	
onatology RMAL NEWBORN LERGY AND IMMUNICLOGY 115	86 445 680 684	\$502 \$111 \$1,450 \$4,452	\$89 \$35 \$322 \$768	82.3% 68.1% 77.8% 82.7%	\$122 \$33 -\$1,182 \$931	-\$33 💽 \$2 💽 \$1,504 💮 -\$163 👰	Per Visit -37.7% 6.7% 467.4% -21.2%	Key Metrics Detai
DNATOLOGY BRAIL NEWBORN LIRGY AND IMMUNOLOGY HTMULBIOLOGY ms ms and Wounds	86 445 680 684 946	\$502 \$111 \$1,450 \$4,452 \$1,830	\$89 \$35 \$322 \$768 \$469	82.3% 68.1% 77.8% 82.7% 74.4%	\$122 \$33 -\$1,182 \$931 \$279	-\$33 🔮 \$2 💽 \$1,504 🛞 -\$163 🙆 \$190 🛞	Per Visit -37.7% 6.7% 467.4% -21.2% 40.5%	——— Key Metrics Detai
DNATOLOGY RMAL NEWBORN LIKOY AND IMMUNDLOGY YMMUNDLOGY ms ms and Wounds ant Headth	86 445 680 684 946 1,235	\$502 \$111 \$1,450 \$4,452 \$1,830 \$1,893	\$89 \$35 \$322 \$768 \$469 \$454	82.3% 68.1% 77.8% 82.7% 74.4% 76.0%	\$122 \$33 -\$1,182 \$931 \$279 -\$33	-533 (1) 52 (1) 51,504 (1) -5163 (1) 5190 (1) 5487 (1)	Per Visit -37.7% 6.7% 467.4% -21.2% 40.5% 107.2%	——— Key Metrics Detai Primary Service L
ONATOLOGY RMAL REWRORN LIKEY AND IMMUNOLOGY HTMALMOLOGY ms ms ms di Wounds ant Health SCULAR	86 445 680 684 946 1,235 1,583	\$502 \$111 \$1,450 \$4,452 \$1,830 \$1,893 \$2,965	\$89 \$35 \$322 \$768 \$409 \$454 \$731	82.3% 68.1% 77.8% 82.7% 74.4% 76.0% 75.3%	\$122 \$33 -\$1,182 \$931 \$279 -\$33 \$293	-533 (*) 52 (*) \$1,504 (*) -5163 (*) \$190 (*) 5487 (*) 5488 (*)	Per Visit -37.7% 6.7% 467.4% -21.2% 40.5% 107.2% 59.9%	
DNATOLOGY RMAL NEWBORN LRCY AND IMMUNOLOGY rtHMUNOLOGY rs sed Wounds set Health SCULAR	86 445 680 684 946 1,235 1,583 1,583	\$502 \$1111 \$1,450 \$4,452 \$1,830 \$1,893 \$2,965 \$3,993	\$89 \$35 \$322 \$768 \$469 \$454 \$731 \$877	82.3% 68.1% 77.8% 82.7% 74.4% 76.0% 75.3% 78.0%	\$122 \$33 -\$1,182 \$931 \$279 -\$33 \$293 \$293 \$741	- 433 (%) 52 (%) 5 1.504 (%) - 5163 (%) 5 190 (%) 5 4487 (%) 5 448 (%) 5 438	Per Visit -37.7% 6.7% -21.2% 40.5% 107.2% 59.9% 15.5%	
IONATOLOGY DRMAL NEWBORN LERGY AND IMMUNOLOGY HITHALMOLOGY arms and Wounds east Health Sisculus Essent Health Sisculus Essent Health	86 445 680 684 1,235 1,583 1,583 1,984 3,049	\$502 \$111 \$1.450 \$4.452 \$1.800 \$1.893 \$2,965 \$3,993 \$1,075	589 535 5322 5768 5469 5454 5731 5877 5279	82.3% 68.1% 77.8% 82.7% 74.4% 75.3% 75.3% 78.0% 74.1%	\$122 \$33 -\$1,182 \$931 \$279 -\$33 \$298 \$741 \$192	- 533 (m) 52 (m) - 5150 (m) 5190 (m) 5487 (m) 5488 (m) 5488 (m) 5486 (m) 5386 (m)	Per Vot -377% 67% -67% -67% -67% 467% -072% 455% 1072% -55% 310%	
NASSIGNED CONTOLOGY ORMAL INVISION LIERY AND IMMUNOLOGY INFITHALMOLOGY INFITHALMOLOGY INFITHALMOLOGY ERMATOLOGY ERMATOLOGY ERMATOLOGY INFIDALA SUIGERY INCIMARRY	86 445 680 946 1,235 1,583 1,984 3,049 3,125	\$502 \$111 \$1,450 \$4,452 \$1,800 \$1,803 \$2,965 \$1,993 \$1,075 \$866	589 535 532 5768 5469 5454 5731 5877 5279 5163	82.3% 68.1% 77.8% 82.7% 74.4% 76.0% 75.3% 78.0% 74.1% 81.2%	\$122 \$33 -451.182 \$991 \$279 -433 \$293 \$293 \$741 \$192 \$170	- 433 (%) 52 (%) 5 1.504 (%) - 5163 (%) 5 190 (%) 5 4487 (%) 5 448 (%) 5 438	Per Voti - 3775 678, 678, 678, 678, 678, 678, 678, 678,	

Slicers

From the slicer drop-downs, you can select a combination of the available options to select the parameters to include in the views.

Calendar Year	ar Year Quarter Month		Entity	Patient Type	Financial Class	
2017 🗸	All 🗸	All 🗸	All	All	All	

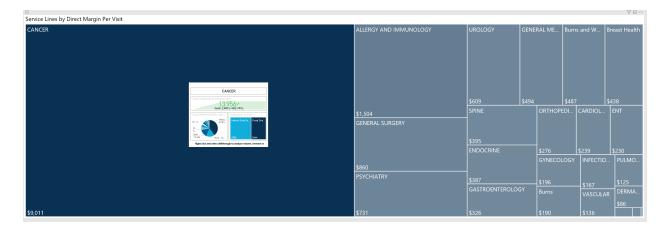
Metrics Card

As you select the different options from the slicer drop-downs, the totals in the Metrics Card adjust accordingly.

224,189 \$501,183,274 \$113,051,443 -\$59,838,575 \$172,890,018 \$48,2' Visits Gross Revenue Net Revenue Direct Cost Direct Margin Indirect Option	91,236 \$124,598,782 Cost Net Margin
--	---

Service Lines by Direct Margin Per Visit

The Service Lines by Direct Margin Per Visit section provides a visualization of your direct margin for each visit across service lines. You can view details about a specific service line by placing your cursor on a square. The system displays a tool tip that provides information on the number of visits compared to last year, the gross revenue by financial class, and a cost breakdown.



You can drill down further by right-clicking a square, and from the menu, selecting the drillthrough reports to display.

Service Lines by Direct Margin Per Visit					78
CANCER	ALLERGY AND IMMUNOLOGY	UROLOGY	GENERAL ME	Burns and W	Breast Health
	\$1,504 GENERAL SURGERY	\$609 SPINE \$395 ENDOCRINE	\$494 ORTHOP \$276	\$487 EDI CARDIOL. \$239	\$438 ENT \$230
	\$860 PSYCHIATRY \$731	\$387 GASTROENTEROLOG \$326	GYNECO \$196 i ^Y Burns \$190	OGY INFECTI \$167 VASCUL \$136	\$125

The available drillthrough reports include the following:

- Executive Outpatient Service Line Trend
- Outpatient Service Line Revenue
- Outpatient Service Line Cost
- Outpatient Service Line Volume

Key Metrics Detail by Primary Service Line

The Key Metrics Detail table shows information regarding the details of the key metrics.

Primary Service Line	Visits	Gross Rev Per Visit	Net Rev Per Visit	Write Off %	Direct Cost Per Visit	Direct Margin Per Visit	Contribution Margin % ^ Per Visit
VASCULAR	1,	84 \$3,993	\$877	78.0%	\$741	\$136 🔘	15.5%
DERMATOLOGY	3,	49 \$1,075	\$279	74.1%	\$192	\$86 🔘	31.0%
NEPHROLOGY	3,	25 \$866	\$163	81.2%	\$170	-\$7 🦲	-4.6%
GENERAL SURGERY	3,	\$6,762	\$1,399	79.3%	\$539	\$860 🔘	61.5%
PSYCHIATRY	4,	71 \$1,843	\$352	80.9%	-\$379	\$731 🔘	207.7%
RHEUMATOLOGY	4,	98 \$1,282	\$278	78.3%	\$256	\$22	8.0%
GASTROENTEROLOGY	4,	48 \$3,834	\$940	75.5%	\$614	\$326 🔘	34.7%
ENT	5,	38 \$1,669	\$404	75.8%	\$174	\$230	56.8%
UROLOGY	6,	\$2,444	\$519	78.8%	-\$90	\$609 🔘	117.4%

Outpatient drillthroughs

This section includes the drillthrough reports available in the Service Lines by Direct Margin Per Visit section of the Outpatient Service Line Dashboard.

Executive Outpatient Service Line Trend

Displays the key metrics trend by service line.

DSS Reporting Executive Outpatient Service Line Trend							I	CANCER					
Calendar Year 2017 V All		Mont	h V	All		Enti	ty	~	Patient Type All		Financial Class		
	\$136,2 Gross Reve			\$29,77 Net Reven		5	-\$9 Direct	5,980,040 _{Cost}	\$125,750,786 Direct Margin	\$12,592,047 Indirect Cost	\$113,158,739 Net Margin		
Year Quarter		Q1		2017	Q2		Q3						
Name	January	February	March	April	May	June	July						
CANCER													
Visits	2,425	2,337	2,503	2,290	2,550	1,846	5						
Gross Revenue Per Visit	\$10,514	\$9,931	\$10,561	\$10,999	\$9,854	\$5,851	\$1,745						
Net Revenue Per Visit	\$2,771	\$2,635	\$1,637	\$1,952	\$2,757	\$701	\$0						
Write Off %	73.6%	73.5%	84.5%	82.3%	72.0%	88.0%	100.0%						
Direct Cost Per Visit	-\$6,388	-\$5,479	-\$5,825	-\$8,972	-\$9,208	-\$4,920	\$203						
Direct Margin Per Visit	\$9,159	\$8,114	\$7,462	\$10,924	\$11,965	\$5,621	-\$203						
Contribution Margin % Per Visit	330.5%	307.9%	455.8%	559.5%	433.9%	802.1%							

Outpatient Service Line Revenue

- Top 10 Payors by Net Revenue Per Case
 - Outpatient Revenue Bar Chart tool tip
- Gross Revenue by Payor
 - Outpatient Revenue Pie Chart tool tip

- Top 10 Cities w/ Highest Revenue per Visit
- Revenue Detail by Financial Class / Payor



Outpatient Service Line Cost

Tool Tip: Gross Revenue by Payor

- Top 10 ICD Diagnosis by Total Cost Per Visit
- Variable Direct Cost Per Case by Financial Class
- Provider by Variable Direct Cost Per Visit
 - Outpatient Cost Tree Map tool tip
- Cost Per Visit Detail

SS Reportin	g Outpatien	t Service L	ine Cos	it			ALLERGY AND	IMMUNOLOGY		©
Calendar Year 2017 V	Ounter 02 ∨ Ap	Morth n v		Drifty		A	Patient Type	✓ _N	Francei Cass	
135 Visits		\$4 Tota	7,609 Cost			\$28,506 Direct Cost		\$19,104 Indirect Cost	1	
o 10 ICO Diegnosis Is	r Total Cost Per Visit									
K 375	4K \$7.4K	57	46.	\$7.46	\$7.4K	\$7.04	\$224	\$7.0K	\$7.0K	
к —	ngana (*) – Other panoye	(Aria () Spinson alasidat	nguðy, nam Flansfind	Surfling of limits	Dvardooystyleria, urapetited (*)	Lumbage	Criter Inventor pain	One-service velatile Seas Innunceonformen (*) Innun		entisi • goodine
	Visit by Financial Class				e Direct Cost Per Visit					
Cannae, 111 1964, 528 (59) " 197 (99) 197 (99)		- Malian Line serve		Micky, Cognor GAX Methica, Backbar						
st Per Visit Detail				\$5K	_		_	ia:	515	
	st item Description		Visits	Volume Per	Visit Total Cos	t Fer Visit 🛛 🗤	atable Direct Cost Per Visit	Fixed Direct Cost Per Visit	Indirect Cost Per Visit	
C VENIPUNCTURE				41	1.05	57	\$1	54	\$2	
C ALLERGEN SPECIFIC	ISE QUANTISHTINE			30	14.33	\$93	\$15	\$10	531	

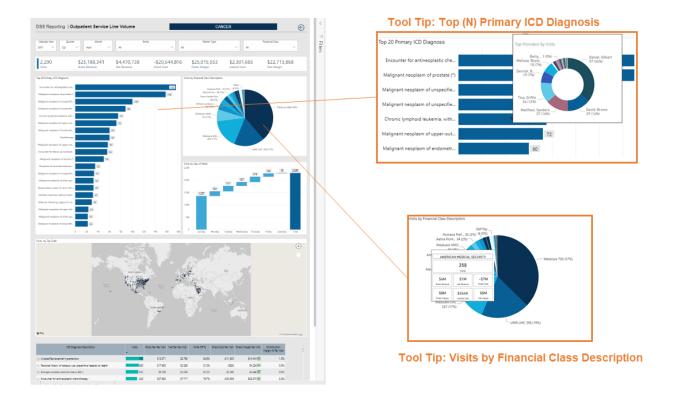
2 Visits \$27K \$4,102 \$13K Grass Revenue Direct Cost	Provider by Variable Direct Cost P Wesley, Chapman	We	sley, Chapm	an
Gross Revenue Net Revenue Direct Cost	wesley, Chapman		-	
¢0.007 ¢2.(21 ¢1.2)/				
	\$6K	-\$9,097 Direct Margin	\$2,621 Indirect Cost	-\$12K Net Margin

Tool tip: Provider by Variable Direct Cost Per Visit

Outpatient Service Line Volume

This page shows the following:

- Top (N) Primary ICD Diagnosis
 - Outpatient Volume Bar Chart tool tip
- Visits by Financial Class Description
 - Outpatient Revenue Pie Chart tool tip
- Visits by Day of Week
- Visits by Discharge Status
- Visits by Zip Code



Professional Billing Service Line Dashboard

The Professional Billing Service Dashboard displays a view of all the service lines, with the ability to drill through to any service line at a trend level, volume view, revenue view and cost view.

NOTE: Requires your organization to use DSS PtType, and Service Line to use PrimaryService.name.

Executive Professional Service Line Summary page

The Executive Professional Billing Service Line Summary page serves as the main home page for the dashboard and includes the following sections:

- Slicers Allows you to filter data by time (calendar year, quarter, month), entity, patient type, and financial class
- Metrics Card Displays KPI data for visits, gross and net revenue, direct and indirect cost, and direct and net margin
- Service Lines by Direct Margin Per Visit Displays a visualization of the direct margin per visit for each service line
- Key Metrics Detail by Primary Service Line Displays the values related to profitability for each service line

DSS Reporting Executive Pro	fessional Service Lin	e Summary						
Calendar Year Quarter 1	Month All	Entity	Al	Patient Ty	pe V	Financi	al Class	Slicers
329,563 \$89,564,62 Visits Gross Revenue	28 \$39,263,887 Net Revenue	\$46,517,11 Direct Cost		253,227 Margin	\$14,192,0 Indirect Cost	57 -\$21,4 Net Marg	45,284 ⁱⁿ	——— Metrics Card
Service Lines by Direct Margin Per Visit UNASSIGNTD	(M) <u>60</u> fread	Health			<u>\$21</u>	V AND IMMUNICUO	IECOLOGY 81 81	Service Lines by Direct Margin per Visit
Primary Service Line	Visits •	Gross Rev Per Visit N	let Rev Per Visit	Write Off %	Direct Cost Per Visit	Direct Margin Per Visit	Contribution Margin % Per Visit	
GENERAL MEDICINE	91,643	\$283	\$133	53.0%	\$155	-\$22 🥘	-16.5%	
CARDIOLOGY	45,277	\$267	\$88	67.2%	\$136	-\$49 🧶	-55.4%	
PSYCHIATRY	30,592	\$261 \$267	\$112 \$139	57.2% 48.0%	\$162 \$97	-\$50 🥌 \$42 💽	-45.1% 30.1%	
PULMONOLOGY	22,002	\$260	\$139	40.0%	\$97	\$42	1.0%	Key Metrics Detail by
ENDOCRINE	17,806	\$243	\$98	59.6%	\$109	-\$10 🥘	-10.6%	
INFECTIOUS DISEASE	17,371	\$245	\$110	55.3%	\$103	\$7 🔘	6.0%	Primary Service Line
ORTHOPEDICS	12,826	\$243	\$113	53.5%	\$135	-\$22 🥘	-19.5%	

Slicers

From the slicer drop-downs, you can select a combination of the available options to select the parameters to include in the views.

Calendar Year	Quarter	Month	Entity	Patient Type	Financial Class
2017 🗸	All 🗸	All V	All	All	All

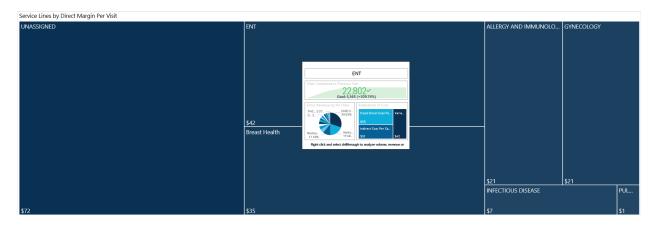
Metrics Card

As you select the different options from the slicer drop-downs, the totals in the Metrics Card adjust accordingly.

329,563 \$89,564,628 \$39,263,887 \$46,517,114 -\$7,253,227 \$14,192,057 -\$21,445,284 Visits Gross Revenue Net Revenue Direct Cost Direct Margin Indirect Cost Net Margin
--

Service Lines by Direct Margin Per Visit

The Service Lines by Direct Margin Per Visit section provides a visualization of your direct margin for each visit across service lines. You can view details about a specific service line by placing your cursor on a square. The system displays a tool tip that provides information on the number of visits compared to last year, the gross revenue by financial class, and a cost breakdown.



You can drill down further by right-clicking a square, and from the menu, selecting the drillthrough reports to display.

Service Lines by Direct Margin Per Visit					Δ 🛙
UNASSIGNED	ENT			ALLERGY AND IMMUNOLO	GYNECOLOGY
		Show data	-		
		Include			
		Exclude			
		Drillthrough	Professional Service Line Revenue		
		Сору 🕨	Executive Professional Service Line Trend		
			Professional Service Line Cost		
			Professional Service Line Volume		
	\$42				
	Breast Health				
				\$21	\$21

The available drillthrough reports include the following:

- Executive Outpatient Service Line Trend
- Outpatient Service Line Revenue
- Outpatient Service Line Cost
- Outpatient Service Line Volume

Key Metrics Detail by Primary Service Line

The Key Metrics Detail table shows information regarding the details of the key metrics.

Primary Service Line	Visits	Gross Rev Per Visit	Net Rev Per Visit	Write Off %	Direct Cost Per Visit	Direct Margin Per Visit	Contribution Margin % Per Visit
GENERAL MEDICINE	91,643	\$283	\$133	53.0%	\$155	-\$22 🦲	-16.5%
CARDIOLOGY	45,277	\$267	\$88	67.2%	\$136	-\$49 🦲	-55.4%
PSYCHIATRY	30,592	\$261	\$112	57.2%	\$162	-\$50 🦲	-45.1%
ENT	22,802	\$267	\$139	48.0%	\$97	\$42 🔘	30.1%
PULMONOLOGY	22,106	\$260	\$115	55.8%	\$114	\$1 💽	1.0%
ENDOCRINE	17,806	\$243	\$98	59.6%	\$109	-\$10 🦲	-10.6%
INFECTIOUS DISEASE	17,371	\$245	\$110	55.3%	\$103	\$7 💽	6.0%
ORTHOPEDICS	12,826	\$243	\$113	53.5%	\$135	-\$22 🦲	-19.5%

Professional Billing Services Dashboard - Drillthrough reports

This section includes the drillthrough reports available in the Service Lines by Direct Margin Per Visit section of the Professional Billing Services Dashboard.

Executive Professional Service Line Trend

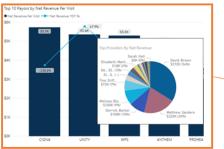
Displays the key metrics trend by service line.

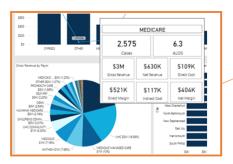
Professional Service Line Revenue

This page displays the following:

- Top 10 Payors by Net Revenue Per Case
 - Professional Revenue Bar Chart tool tip
- Gross Revenue by Payor
 - Professional Revenue Pie Chart tool tip
- Top 10 Cities w/ Highest Revenue per Visit
- Revenue Detail by Financial Class / Payor

Tool Tip: Top 10 Payors by Net Revenue Per Visit



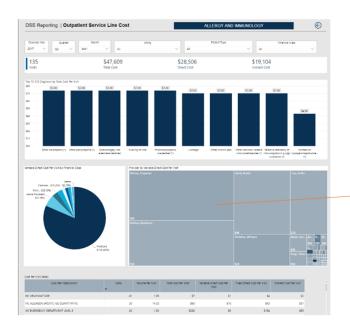




Tool Tip: Gross Revenue by Payor

Professional Service Line Cost
 This page displays the following:

- Top 10 ICD Diagnosis by Total Cost Per Visit
- Variable Direct Cost Per Case by Financial Class
- Provider by Variable Direct Cost Per Visit
 - Professional Cost Tree Map tool tip
- Cost Per Visit Detail

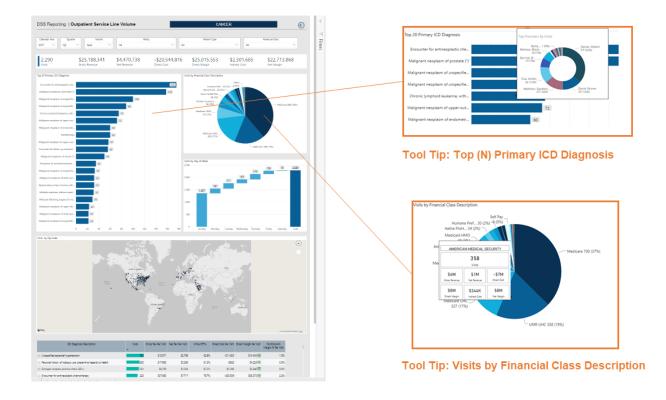


Tool Tip: Provider by Variable Direct Cost Per Unit



Professional Service Line Volume

- Top (N) Primary ICD Diagnosis
 - Professional Volume Bar Chart tool tip
- Visits by Financial Class Description
 - Professional Revenue Pie Chart tool tip
- Visits by Day of Week
- Visits by Discharge Status
- Visits by Zip Code



Axiom Intelligence enhancements

The following enhancements have been made to the Axiom Intelligence functionality to help improve user experience:

• **Measure descriptions** - When hovering over a field within the model measures folder of the DSS Axiom Intelligence data model, a tool tip now displays a description of the measure.

Explore \checkmark A Text box	Q₂ si	hapes 🗸 📼 Buttons 🗸 🕞	Visual interactions \checkmark \bigcirc Refresh 🗇 Duplicate this page 🚍 Saw					
√ Filters	⊳ >	VISUALIZATIONS >	FIELDS					
Filters on this page		二 通 云 街 三 田	€ Search					
Add data fields here			/ 📄 Model Measures					
Filters on all pages			Account Balance					
	A	E PY II II E,	If Actual Allowance If Actual Insurance Payments					
Event Type is Encounter Discharge D.	_	_ I	Actual Insurance Payments Actual Patient Payments					
		Values	Actual PB Payments					
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IS NOT NA		Sec	III Amount					
Patient Type DSS Pa	8	DRILLTHROUGH	Apgar Score 1					
is IP		Cross-report	Mapgar Score 2					
Year	A	off O-	Birth Weight					
is greater than 2012	-) 🖬 Cases					
		Keep all filters	Contribution Margin Per Case Gost/Revenue Ratio					
Add data fields here		On —	Cost/Revenue Katio					
		Add drillthrough fields here	Direct Cost					
		Add dillidirough news nere	4 Direct Margin					
			II Direct Margin					
Name "Model I	Maarura	es'[Direct Margin Per Case CY]	II Direct Margin CY					
			Direct Margin CY Over PY					
Net Revenue min (Current Year)	nus Direa	ct Cost (Per Case)	🔲 🖩 Direct Margin Per Case					
(current rear)			Direct Margin Per Case CY					
			Direct Margin Per Case CY Over PY					
			II Direct Margin Per Case PY					
			In Direct Margin Per Case YOY %					
			In Direct Margin PY In Direct Margin					
			🔲 🖩 Direct Margin YOY %					

• Fiscal year configuration - You can now set the fiscal year for Axiom Intelligence in the SystemConfigurationTemplate. For instructions, see Setting the fiscal year for Axiom Intelligence in this document.

SystemConfiguration - AQ Example			
	Default	Configured	Modify
AdoNetBatchSize	100	100	
eq:allowAmbiguousAlternateAggregationAndColumnFilterFieldDefinitions and a state of the	FALSE	FALSE	
AllowBlanksToBeDataRowSeparatorsInAQDataUpdate	TRUE	TRUE	
AllowShowExcel	TRUE	TRUE	
AllowShowPowerPoint	TRUE	TRUE	
AllowShowWord	TRUE	TRUE	
AuthenticationDomainSelectionListRequired	FALSE	FALSE	
AutoCastFloatColumnsDuringAggregation	TRUE	TRUE	
AutoUpdateProcessTaskPane	TRUE	TRUE	
AxiomSignalRServerAddress			
BI_FiscalYearStartMonth	1	1	
ClickOnceClientNameExcel	Axiom Excel Client	Axiom EPM Excel Client	
ClickOnceClientNameWindows	Axiom Windows Client	Axiom EPM Windows Client	
ClickOnceShortcutLocation	DesktopAndStartMen	DesktopAndStartMenu	

• Variable columns - Some dimension tables allow you to add additional custom columns. These "grouping" columns allow you to customize the data you want to query into reports. For instructions, see Creating or modifying custom columns in dimensions in this document.

	e Variable Co up to 5 grouping colu		ally give a preferred column name. You can query data into r	reports by the column name or preferred name.
Table	Column	Enabled	Preferred Name	
			- Name must start with a letter and can only contain A-Z, 0-9, or - No spaces. Max length 200	
ACCT	Group1	\checkmark	Group1 Preferred Name	✓
ACCT	Group2			
Age	Group1			

• Security enhancements - A Save As prompt is now included in standard content prior to entering the author mode. When entering authoring mode in a standard asset, a prompt displays to save a copy of the report.

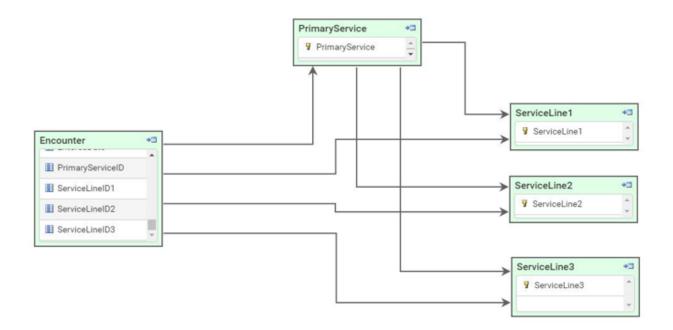
Dec	cision Support							4 💀 🗘	AXION	
Ξ	li i								☆ ?	
	DSS Reporting Ex	ecutive Profession	al Service	e Line Summary						
	Calendar Year Quar	ter Month		Entity	Patient Type		Financial Cla	55		Filters
	2017 V All	All	All		AL		All			
	329,563 Visits	\$89,564,628 Gross Revenue	\$39,263, Net Revenue	887 \$0 Direct Cost	\$39,263,887 Direct Margin	\$0 Indirect Cost	\$39,263,8 Net Margin	387		
	Service Lines by Direct Margin Per	Visit		Create copy? It is not allowed to edit a standard asset of the KHA Softw						
	OBSTETRICS	DERMATOLOGY	Breast Heal		Cancel Cancel	Unassigned	PSYCHIATRY IN	FECTIOUS DISE.		
		\$140	\$131	\$128	\$117					

• **ICD Diag 1-5 Cost Detail lookup** - These columns have been configured to lookup to reference tables. The corresponding scripts have also been upgraded.

Data Type String Length	Integer	Numeric	String 20	String 20	String 20	String 20	String 20	String 50	Numeric
Description	Axiom generated transaction identification code	Balance Due	Diagnosis 1					Billing Provider ID	Provider Compensation
Delete Row	TransactionII 🔻	BalanceDu 💌	Diagnosis: 🔻	Diagnosis: 🔻	Diagnosis	 Diagnos 	is 🔽 Diagnosis	BillingProvide ▼	ProviderCompensation -
	353			NA	NA	NA	NA	NA	0.00
	354	0.00	NA	NA	NA	NA	NA	NA	0.00
	355	0.00	NA	NA	NA	NA	NA	NA	0.00
	356	0.00	NA	NA	NA	NA	NA	NA	0.00
	357	0.00	NA	Choose Value			\times	NA	0.00
	358	0.00	NA					NA	0.00
	359	0.00	NA	Choose a v	alue for ICDDI	AGID.		NA	0.00
	360	0.00	NA					NA	0.00
	361	0.00	NA	<type filter<="" here="" td="" to=""><td>r values></td><td>Σ</td><td>Includes ~</td><td>NA</td><td>0.00</td></type>	r values>	Σ	Includes ~	NA	0.00
	362	0.00	NA	_				NA	0.00
	363	0.00	NA	0			^	NA	0.00
	364	0.00	NA	001.0v9 (Cholera				NA	0.00
	365	0.00	NA	001.1v9 (Cholera		cholerae el tor)		NA	0.00
	366	0.00	NA	001.9v9 (Cholera	a, unspecified)			NA	0.00
	367	0.00	NA	001v9 (Cholera)				NA	0.00
	368	0.00	NA	002.0v9 (Typhoid				NA	0.00
	369	0.00	NA	002.1v9 (Paratyp				NA	0.00
	370	0.00	NA	002.2v9 (Paratyp				NA	0.00
	371	0.00	NA	002.3v9 (Paratyp				NA	0.00
	372	0.00	NA	002.9v9 (Paratyp				NA	0.00
	373	0.00	NA	002v9 (Typhoid a			~	NA	0.00
	374	0.00	NA	A Showing 5000	of 114495 valu	es (0 selected)		NA	0.00
	375	0.00	NA			<u>O</u> K	C <u>a</u> ncel	NA	0.00
	376	0.00	NA	NA	NA	NA	NA	NA	0.00
	377	0.00	NA	NA	NA	NA	NA	NA	0.00

Modifications to the service line data model

The enhanced data model now supports four service line schemas with three grouping levels. The data model also now includes identity key vs. string data type for services lines.



The following enhancements were made to the data model:

- Implemented service line ID columns on encounter table; string columns still exist, but they will eventually be deprecated
- Added four new tables: PrimaryService, ServiceLine1, ServiceLine2, and ServiceLine3
- Updated scripts
- Added the new Service Line Assignment utility that assigns an identity value to the new column
- Updated reports

Reporting mode

This new Axiom Intelligence browser-based reporting tool is available for all Axiom Decision Support cloud customers to author Decision Support reports and dashboards by using Microsoft Power BI embedded technology. You can access these reports by clicking **Report Designer** in the **Navigation** panel.

Decision Support				1 B	JR	AX10M
=						☆ ?
Navigation 🔸						
> Ø Recent Places						
Report Designer	All Unread Read	℅ Quick Links	★ Favorites			
		-				
		Windows Client	Look for the 📩 icon to add to Favorites			
		A Excel Client				

The data model delivered in 2019.2 for Axiom Intelligence Reporting is built around the encounter table and those tables that the encounter table references.

The four icons located on the Global Navigation Bar each represent a key function or feature within Axiom Intelligence Reporting.



- 1. Open the bookmark panel in authoring mode.
- 2. View the report into preview mode. The eye icon changes to the pencil icon to indicate that you are report authoring mode. The icons switch back and forth depending on which mode you are in.
- 3. Add the report to your favorites.
- 4. Open help.

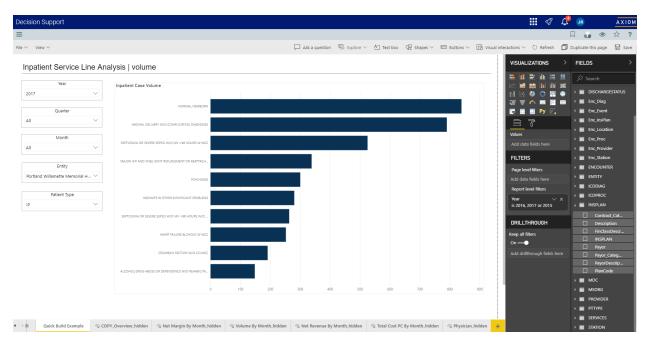
On the Global Navigation Bar, when opened in authoring mode, click the white report icon to access additional key features and functions.

	Decision Support	
	Ξ 🗋	
	Report Settings	*
6	Report Title Training Report 1_Insurance Plan Inpatie	
2	✓ Theme	

From this location, you can do the following:

- 1. Review and change the report title.
- 2. Change the look and feel of the report by selecting a color palette.

The following screen shot is example of an Axiom Intelligence Report with standard embedded Microsoft Power BI features described below.



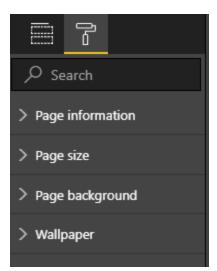
Visualizations

Each of these icons represents a type of visualization that can you can use in a report or dashboard to visually interact with your data. You can drag and drop one of these icons onto your white page to build out your report.



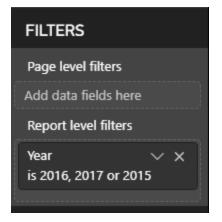
Paint Roller

You can customize any of your visual components by selecting the Paint Roller icon.



Filters

Using the Filters section, you can apply filters to a specific visual, the page, or the entire report. There are basic and advanced filtering options available.



Fields

The fields columns stores the data included in the model. The data is organized by tables, which you can expand to see the dimensions and measures available to use when creating reports.

FIELDS >
APDRG
$\Box \Sigma$ alos
APRDRG
Code
Description
$\Box \Sigma$ GeomLOS
LongDescript
MDC
Med_Surg
ReportDescri
SOI
$\Box \Sigma$ Weight
» 🎹 СРТ
DimDate
DISCHARGESTATUS
▶ Ⅲ Enc_Diag
End Event

Web tutorials

In 2019.1, Kaufman Hall introduced Axiom Intelligence to provide our clients with industry-leading, advanced reporting and dashboard authoring tools as part of Axiom Decision Support. In the future, Kaufman Hall will leverage these tools to deliver new content in upcoming releases. In this release, the focus was on providing training in the form of example reports and corresponding on-demand web tutorials. This six-lesson series is designed to meet specific learning objectives.

Each lesson and the corresponding report are described below. We recommend that you use the Save As feature to create a copy of each report. This preserves the provided example reports for future reference.

You can access these tutorials and their corresponding PowerPoint documents from the Tutorial Videos page in the online help.

• Lesson 1 - The Basics and the Navigation Bar

This lesson provides an overview of the general navigation features, including task panes, report filters, and available visualization components. This lesson uses Example Report #1 – Insurance Plan Inpatient Analysis to introduce how you can interact with report slicers and different visual components.

• Lesson 2: Drilling Into Data

This lesson reviews the interactive report filtering and drilling capabilities of Axiom Intelligence. The lesson uses Example Report #2 – Patient Type Analysis to highlight the set up of a data grid and drill paths can be defines for users, including the fields used for summarization and their sequence.

• Lesson 3: Creating a Tooltip

This lesson introduces the tooltip feature, which you can tailor by component, and allows you to provide additional and related information for a specific data point. To illustrate this feature, this lesson uses Example Report #3 – MDC Inpatient Margin Analysis.

• Lesson 4: Using Bookmarks

This lesson covers using bookmarks. This useful feature allows you to save the filters and drills applied to a given report. This lesson uses Example Report #4 - Major Diagnostic Category Inpatient Analysis to walk through using bookmarks, including how to tag and name a bookmark reference.

• Lesson 5: Applying Filter and Using Slicers

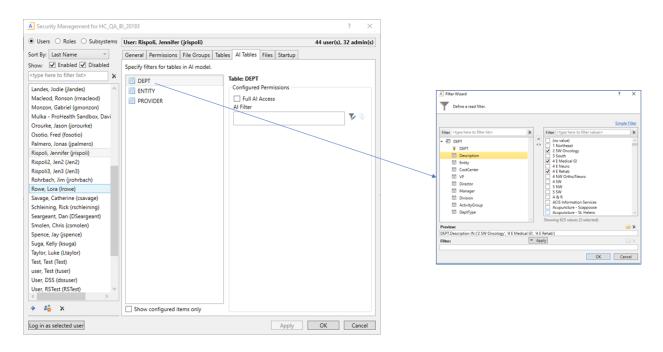
The power of Axiom Intelligence is the ease by which a User can interact with data filters and drilling features to support root cause analysis. This lesson will use Example Report #5 - Inpatient Admitting Provider Utilization Analysis illustrate how to configure and use slicers.

• Lesson 6: Syncing the Model and Security

This lesson focuses on two aspects of system setup and administration, including the simple process of syncing the data model that is utilized by Axiom Intelligence, as well as the administrative features and considerations related to security for Axiom Intelligence.

Security

The Security Manager allows you to manage Axiom Intelligence Reporting security while you can manage access to tables from the AI Tables tab.



In the Configured Permissions section of the Files tab, you can manage access to Axiom Intelligence Reports by setting the permission level for a specific file as No Access, Read, or Read/Write.

		HELP	₹ ADMIN	Hom	- lasat	Page Layout	Formulas	Data	Review	View	Team	0	Home Tell me	
	ecurity	Locked Items	System Sci Browser	heduler	e Insert Process Management * Workflow	Imports & Data Utilities + Database	File Protection * Protection	Fr	reeze Panes ormula Bar leadings Display	System Tools + Tools	Recovery Audit & Reco	-	Help Help	A
ос												?	\times	
tems	User: F	ispoli, J	ennifer (jri	ispoli)						1	37 user(s), 46	5 adr	nin(s)	
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3)	<		du Service du Service du Starter du Starter	pies elligence R Starter Paco Axiom Int Line Analy Line Analy Kit_ Cost D Kit_ Inpatie Kit_Insurar Kit_Provide Kit_Provide Kit_PtType Kit_Service Kit_Templa g Report 1_	eporting k Proposal elligence Repor sis 333 sis Model V2 etail and MDC of ent Service Line ice Plan Inpatien er Analysis MDC margin ar Line Inpatient I te Library	examples Profitability Analy nt Analysis nalysis Dashboard Inpatient Analysis	sis _ Executive	Su	Access: Shou Allou Allou Allou Allou Allou Allou Allou Show in E Save Data Unprotect Sheet Assi	xplorer : :stant: ssing Assi:	rer ta ect ssistant cessing			
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Issues resolved in 2019.3

The following table lists the issues resolved in 2019.3, released on September 16th, 2019:

lssue	Description
PFB-07225 - Encounter/ Patient Viewer Incorrect Heading [TFS 34227]	Symptom: In the Launch Encounter /Patient Viewer, when you create an Encounter list and drill on a specific encounter, on the main page for the encounter selected, the sub-title for the cost information displays "Total Charges". It should display "Total Costs".
	Resolution: Corrected by changing the title from "Total Charges" to "Total Costs".
PFB-07832 - Increase Character Limit Service Line Def [TFS 37953]	Symptom: Recommend increasing character limit of the following columns:
	 SERVICELINEDEF.LIMITQUERYFILTER from String(250) to String(500)
	 SERVICE_SCHEMA_DEF.DEFCODE from String(20) to String(50)
	Resolution: Corrected by making the recommended updates to the referenced table and columns.

Manual setup instructions

The System.SyncBIModel job runs nightly on a scheduled job to ensure that the Axiom database and Axiom Intelligence Reporting database stay in sync. If you modify a table in Axiom that is part of the Axiom Intelligence Reporting data model, you will need to run the job named **System.ProcessBITable** if you want those changes represented in the Axiom Intelligence data model before the nightly job runs.

ies * *	ltems B	inports & Data Storen agement Workflow	🁀 🔽	reeze Panes formula Bar Headings Display Too	s* *	Help Close Axiom SW Exit		
-	×	A Axiom Scheduler - Event Handlers						? ×
A Home		Job Service						
	K	Scheduled Jobs	Refresh Actions					
	AN	Event Name			Job		User	
		System.RefreshPlanFiles		lanFileRefreshHand	ler		(Requester)	
		System.ApplyColumnDefaultValues	1	System.ApplyColumnDefaultValues			System	
		System.RebuildPartitionedTables		System.RebuildPartitionedTables			System	
		System.RefreshDocumentList		RefreshDocumentListHandler System.CmaCalcEng System.ApplyUserTableConstraints System.SMTPMessageDelivery System.SyncBIModel			(Requester)	
		System.CMACalcEngTask					(Requester)	
		System.ApplyUserTableConstraints					System	
		System.SMTPMessageDelivery					System	
		System.SyncBIModel					(Requester)	
		System.CreateBISchema		ystem.CreateBISche	ma		System	
		System.ProcessBITable		ystem.ProcessBITab	le		(Requester)	
		ProcessCostCalculators		ost Calculation Util	ity		(Requester)	
		D2EProcessor	1	Direct to Encounter	Processing		(Requester)	
	CAI	CPMExport		1 Exports for PEAK			admin	
		CPMImports	(2 Imports from PEA	K		admin	
		ProcessEpisodeDefinition		rocess Episode Def	nition		(Requester)	

You will also need to run the job named **System.SyncBIModel** when you want to apply or edit security changes to user roles or subsystem that specifically affect Axiom Intelligence Reporting.

File MAIN HELP AXIOM ADMIN Home	Insert Page Layout Formulas Data Review Vi	ew Team Q Tell me what you want to do	
dmin Task Panes * pplications	Imports & Data Utilifities * Database Protection *	✓ Axiom SW	
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Workflows	Event Name	dol	User
lies	System.RefreshPlanFiles	PlanFileRefreshHandler	(Requester)
MW F	System.ApplyColumnDefaultValues	System.ApplyColumnDefaultValues	System
	System.RebuildPartitionedTables	System.RebuildPartitionedTables	System
	System.RefreshDocumentList	RefreshDocumentListHandler	(Requester)
Ē	System.CMACalcEngTask	System.CmaCalcEng	(Requester)
8 2	System.ApplyUserTableConstraints	System.ApplyUserTableConstraints	System
	System.SMTPMessageDelivery	System.SMTPMessageDelivery	System
Accounting Admin	System.SyncBIModel	System.SyncBIModel	System
st Ac	System.CreateBISchema	System.CreateBISchema	System
Cost	System.ProcessBITable	System.ProcessBITable	System
	ProcessCostCalculators	Cost Calculation Utility	(Requester)
ts	D2EProcessor	Direct to Encounter Processing	(Requester)
odu	CPMExport	01 Exports for PEAK	admin
	CPMImports	02 Imports from PEAK	admin
DSS Data Imports	ProcessEpisodeDefinition	Process Episode Definition	(Requester)

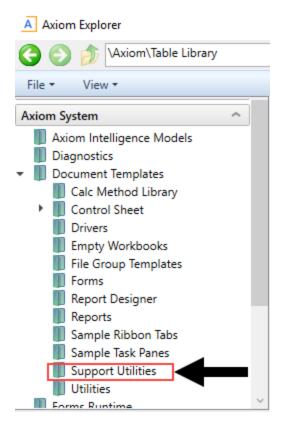
Setting the fiscal year for Axiom Intelligence

To set the fiscal year for Axiom Intelligence:

1. In the Admin ribbon tab, click System Browser.



2. In the Axiom System area, click Document Templates > Support Utilities.



- 3. Double-click SystemConfigurationTemplate.
- 4. In the Main ribbon tab, click Refresh Data.
- 5. In the **BI_FiscalYearStartMonth** row (row 20), type the number for the corresponding fiscal year start month.

SystemConfiguration - AQ Example

Systemeoningulation - AQ Example			
	Default	Configured	Modify
AdoNetBatchSize	100	100	
$\label{eq:linear} Allow {\sf Ambiguous} \\ Alternate {\sf Aggregation} \\ {\sf And} \\ {\sf ColumnFilter} \\ {\sf Field} \\ {\sf Definition} \\ {\sf Solution} \\ {\sf ColumnFilter} \\ {\sf Solution} \\ {\sf ColumnFilter} \\ {\sf Solution} \\ {\sf ColumnFilter} \\ {\sf ColumnFi$	FALSE	FALSE	
AllowBlanksToBeDataRowSeparatorsInAQDataUpdate	TRUE	TRUE	
AllowShowExcel	TRUE	TRUE	
AllowShowPowerPoint	TRUE	TRUE	
AllowShowWord	TRUE	TRUE	
AuthenticationDomainSelectionListRequired	FALSE	FALSE	
AutoCastFloatColumnsDuringAggregation	TRUE	TRUE	
AutoUpdateProcessTaskPane	TRUE	TRUE	
AxiomSignalRServerAddress			_
BI_FiscalYearStartMonth	1	1	
ClickOnceClientNameExcel	Axiom Excel Client	Axiom EPM Excel Client	
ClickOnceClientNameWindows	Axiom Windows Client	Axiom EPM Windows Client	
ClickOnceShortcutLocation	DesktopAndStartMen	DesktopAndStartMenu	

- 6. In the Main ribbon tab, click Save.
- 7. In the Admin ribbon tab, click Scheduler.
- 8. Manually run the SyncBIModel event scheduler to complete the process.

Creating or modifying custom columns in dimensions

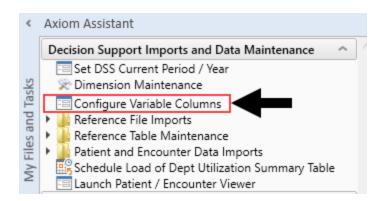
Some dimension tables allow you to add additional custom columns. These "grouping" columns allow you to customize the data you want to query into reports. You can add up to five grouping columns to the following dimensions:

- Accounts
- Age
- Cost Categories
- CPT Codes
- Departments
- Revenue Codes

NOTE: Only users with Admin role profiles can make changes to this page.

To create or modify custom columns in dimensions:

1. In the DSS Admin task pane, in the Decision Support Imports and Data Maintenance section, double-click Configure Variable Columns.



2. In the **Configure Variable Columns** page, in the **Enabled** column, click the check box next to the column to use.

0	Variable Co up to 5 grouping colu		ally give a preferred column name. You can query data	into reports by the column name or preferred name.
Table	Column	Enabled	Preferred Name	
			- Name must start with a letter and can only contain A-Z, 0 - No spaces. Max length 200	9, or _
ACCT	Group1	 Image: A start of the start of	Group1 Preferred Name	*
ACCT	Group2			
Age	Group1			

3. In the **Preferred Name** field, type a name for the column that makes sense for reporting purposes.

NOTE: The column name must start with a letter. The name can only include letters A-Z, 0-9, and/or an underscore (_), and can only include up to 200 characters. The system displays a check mark next to the name if it is allowed by the system; otherwise, it displays an **x**. The system will not allow you to save your changes until the check mark displays.

- 4. When you are done making changes, in the Main ribbon tab, click Save.
- 5. In the Admin ribbon tab, click Scheduler.
- 6. In the Service tab, run the System.SyncBIModel job.

After you save the changes, the system updates the appropriate dimension tables with the new columns. You then update the columns with the appropriate records.

Known issues

The following table lists known issues regarding this release:

Issue	Description
Any table column that is Date data type cannot be edited and saved from the dimension maintenance page [TFS 36259]	Issue: In the APRDRG.EffectiveFromDate, APRDRG.EffectiveToDate, and CostItem.CreateDate columns in the APRDRG tabe, the system displays an error when a user edits the date.
	Resolution: Enter a two-digit year, and not a four-digit year. For example, enter as 1/1/20 or 01/01/20 - not 1/1/2020.
PFB-07007 - REPORT DEFECT - 2018.3 - DSS - Inpatient Period Comparison [TFS 31178]	Issue: The header highlighted in this report should toggle/update between Actual and Estimated Net Revenue, as selected in the refresh variables, but says Estimated no matter the choice.
	Resolution: The data does update correctly, it's just a header issue.
PFB-07494 - PatientID Field [TFS 35256]	Issue: PATIENTID on Enc_Patient is a string field. If the ID has leading zeros the Patient ID will not show up on the Encounter viewer for the patient list. It will show up on the Encounter List because that references the encounter ID, but it will not show up for Patient List.
	Resolution: The current solution is to concatenate alpha character to the Patient ID on Enc_Patient.

IMPORTANT: Refer to the **Axiom for Healthcare Suite 2019.3 Release Notes** and the **Axiom Software 2019.3 Release Notes** for additional known issues that have a suite-wide impact.