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AXIOM

Introduction to

Axiom Intelligence Reporting

Web Tutorial 2019.2 DSS Release

6 Part Web-Tutorial Series



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Product Owner, DSS

Lesson 1: The basics. The navigation bar.

Lesson 2: Drilling into the data.

Lesson 3: Creating a tooltip.

Lesson 4: Using bookmarks.

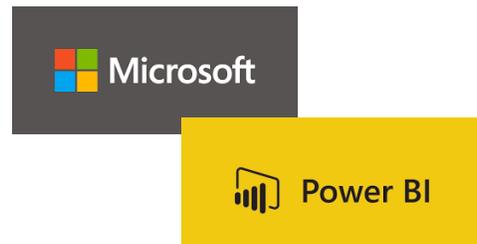
Lesson 5: Applying filters. Using slicers.

Lesson 6: Syncing the model. Security.

Value Proposition / Benefits of Axiom Intelligence Reporting

In 2019.2, we are building on our work in 2019.1 and advancing the infrastructure of our Axiom Intelligence solution to support the complex reporting needs of Patient Level Analysis.

We continue to promote the value of our Microsoft investment in Embedded BI.



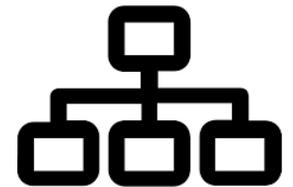
Chose to leverage Microsoft Power BI Embedded, will leverage the tremendous investment Microsoft has made in their Power BI current capabilities



Position Axiom DSS to keep pace with future developments in MS Power BI to include predictive analytics and other technologies, e.g., voice driven analytics



Will provide Axiom development a toolset that allows us to develop “content” faster and improve our time-to-market for new analytics



Builds on the open architecture direction of the Axiom solutions to third party tools

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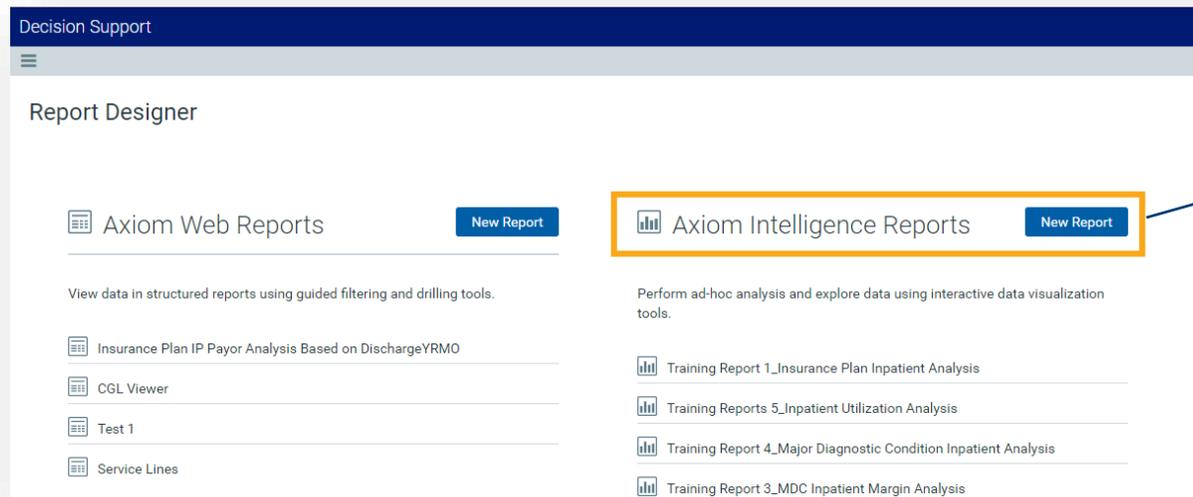
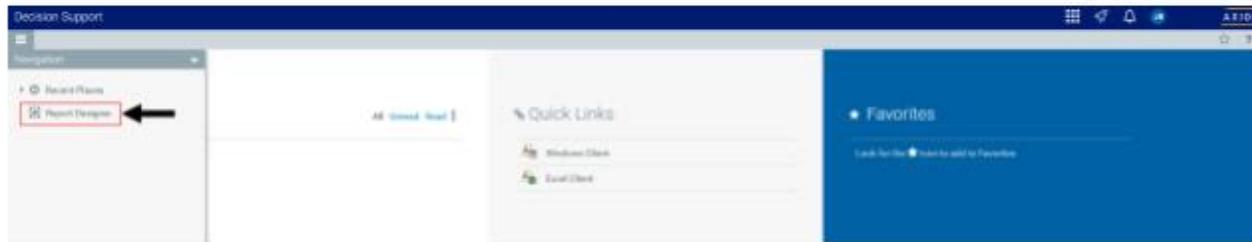
Lesson 1

Intro to Axiom Intelligence Reporting

Creating a new report.

Axiom Intelligence Reporting

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

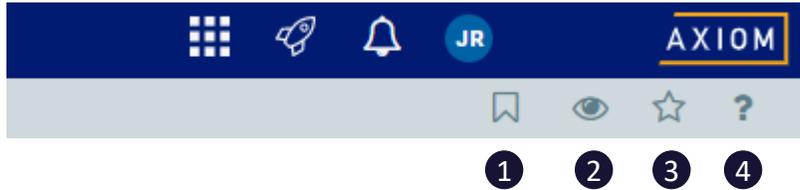


From the report designer you can choose to create a new report from scratch or open and existing report to either view or save as and modify as a template.

Intro to Axiom Intelligence Reporting

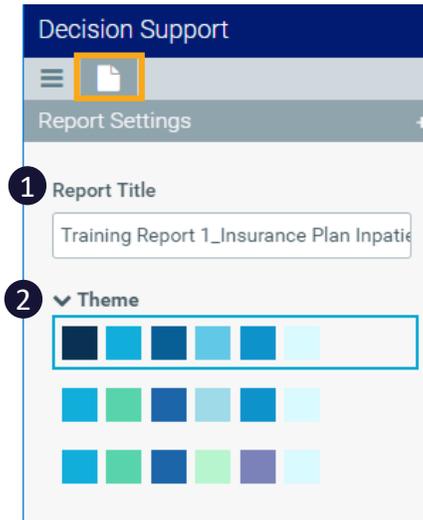
General Navigation Bar.

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 there is white report icon. When opened in authoring mode additional key features and functions are shown.



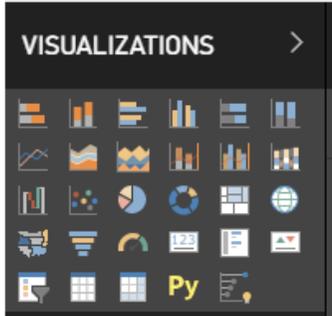
1. Report Title can be viewed and changed.
2. Change the theme of the report.

Intro to Axiom Intelligence Reporting

The basics.

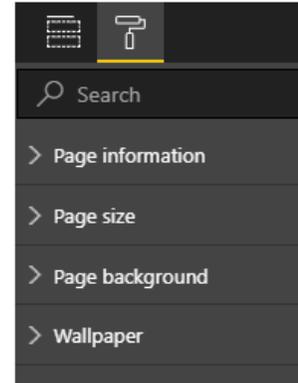
Visualizations

Each of these icons represents a type of visualization that 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.



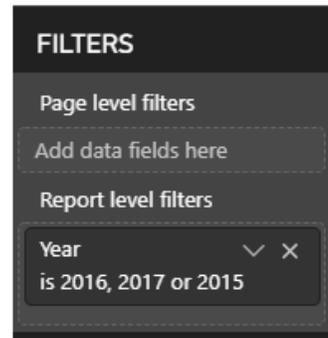
Paint Roller

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.



Intro to Axiom Intelligence Reporting

The basics.

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

Search

APDRG

- Σ ALOS
- APRDRG
- Code
- Description
- Σ GeomLOS
- LongDescript...
- MDC
- Med_Surg
- ReportDescri...
- SOI
- Σ Weight

CPT

- DimDate
- DISCHARGESTATUS
- Enc_Diag

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

Decision Support

Inpatient Service Line Analysis | volume

Year: 2017

Quarter: 48

Month: All

Daily

Report Type

Visualization: Inpatient Case Volume

Service Line	Volume
Internal Medicine	~1000
Internal Medicine - General	~950
Internal Medicine - Geriatrics	~850
Internal Medicine - Hematology/Oncology	~750
Internal Medicine - Infectious Disease	~650
Internal Medicine - Nephrology	~600
Internal Medicine - Pulmonology	~550
Internal Medicine - Rheumatology	~500
Internal Medicine - Endocrinology	~450
Internal Medicine - Cardiology	~400
Internal Medicine - Neurology	~350
Internal Medicine - Pediatrics	~300

VISUALIZATIONS

FIELDS

FILTERS

DRILLTHROUGH

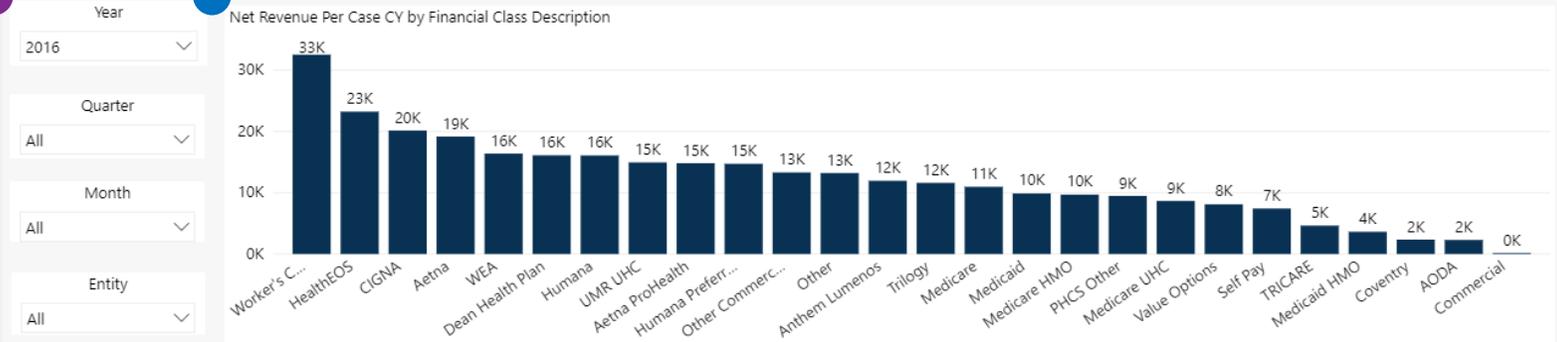
Quick Build Example | GDP, Chemical, Address | Net Charges by Month, Address | Volume by Month, Address | Net Revenue by Month, Address | Total Cost by Month, Address | Physical, Address

Example #1

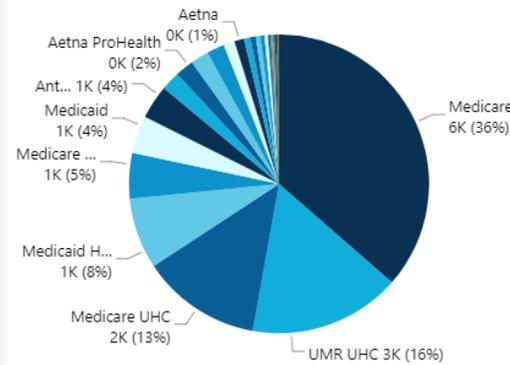
Insurance Plan Inpatient Analysis

- Selectors to filter based on timeframes and Entity.
- Stacked column chart with net revenue per case as value and financial class as the columns.
- Pie chart illustrating payor mix by financial class.
- Matrix visualization with financial class as the row and multiple key dimensions and measures as the values (displayed as columns).

DSS Reporting | Insurance Plan Inpatient Analysis



Cases by Financial Class Description



Financial Class Description	Cases	ALOS	Gross Revenue	Net Revenue	Direct Cost	Direct Margin	Indirect Cost	Net Margin
Worker's Comp	32	2.7	1,704,012	1,040,733	\$191,936	\$848,796	\$136,493	\$712,303
WEA	97	3.5	2,636,510	1,588,699	\$506,047	\$1,082,652	\$282,393	\$800,259
Value Options	4	5.5	60,649	32,421	\$13,050	\$19,371	\$7,058	\$12,312
UMR UHC	2,901	3.3	85,516,121	43,326,299	\$21,302,958	\$22,023,341	\$8,887,614	\$13,135,727
Trilogy	92	2.6	2,510,199	1,067,068	\$385,232	\$681,836	\$238,561	\$443,275
TRICARE	63	3.0	1,659,200	291,835	\$299,840	-\$8,005	\$165,525	-\$173,530
Self Pay	350	3.8	11,223,732	2,596,703	\$1,919,374	\$677,329	\$1,174,812	-\$497,483
PHCS Other	11	2.8	212,027	104,179	\$44,998	\$59,181	\$24,815	\$34,366
Other Commercial	126	3.1	3,158,957	1,676,051	\$589,841	\$1,086,209	\$354,785	\$731,425
Other	80	3.0	2,348,217	1,056,079	\$425,459	\$630,620	\$234,102	\$396,518
Medicare UHC	2,297	4.2	102,848,230	19,859,762	\$42,378,331	-\$22,518,569	\$9,860,182	-\$32,378,751
Medicare HMO	877	4.5	40,174,086	8,493,187	\$6,407,211	\$2,085,975	\$3,988,134	-\$1,902,159
Medicare	6,480	4.1	256,528,122	71,049,514	\$67,132,291	\$3,917,223	\$25,577,452	-\$21,660,229
Medicaid HMO	1,363	3.7	31,056,804	4,938,626	\$6,624,336	-\$1,685,709	\$3,659,393	-\$5,345,103
Medicaid	723	4.2	21,016,667	7,144,943	\$12,049,709	-\$4,904,767	\$2,469,199	-\$7,373,966
Humana Preferred	337	3.4	11,343,357	4,957,576	\$1,946,308	\$3,011,268	\$1,137,579	\$1,873,689
Humana	9	5.3	264,391	144,740	\$54,408	\$90,332	\$29,097	\$61,235
HealthEOS	47	4.7	1,443,981	1,092,018	\$319,795	\$772,223	\$191,480	\$580,744
Dean Health Plan	365	3.3	10,929,758	5,878,725	\$1,895,412	\$3,983,313	\$1,134,730	\$2,848,583
Coventry	10	1.8	128,345	23,399	\$24,822	-\$1,423	\$13,563	-\$14,986
Total	17,766	3.9	626,758,626	197,323,559	\$171,889,756	\$25,433,803	\$63,800,708	-\$38,366,906

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Thank You