

Rush System for Health

Metric Definition in Tableau Reporting

4/19/22

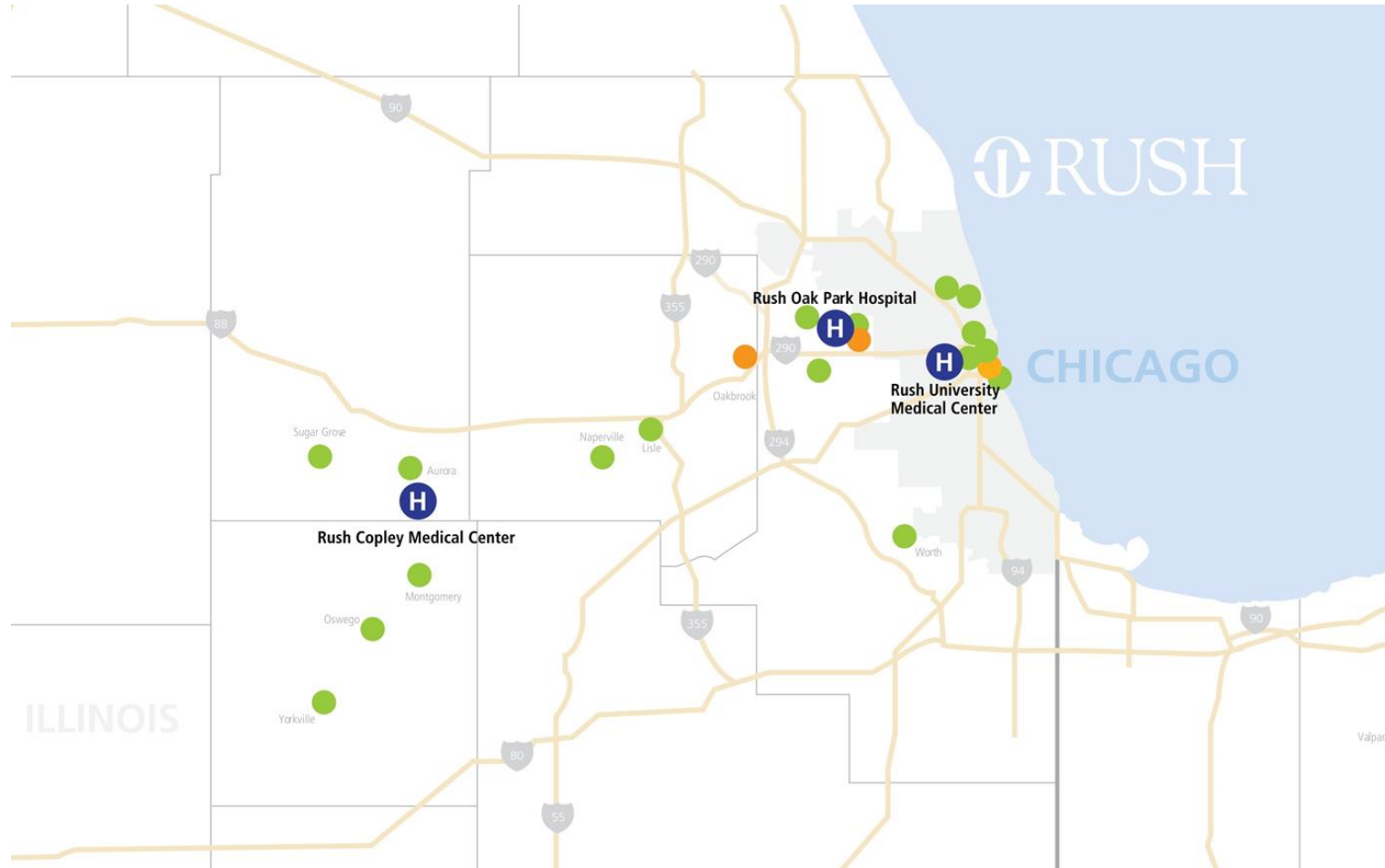
Prominence Roundtable

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 - 3 Tableau Display
 - 4 Lessons Learned/Next Steps

1

Rush Data Governance

About Rush



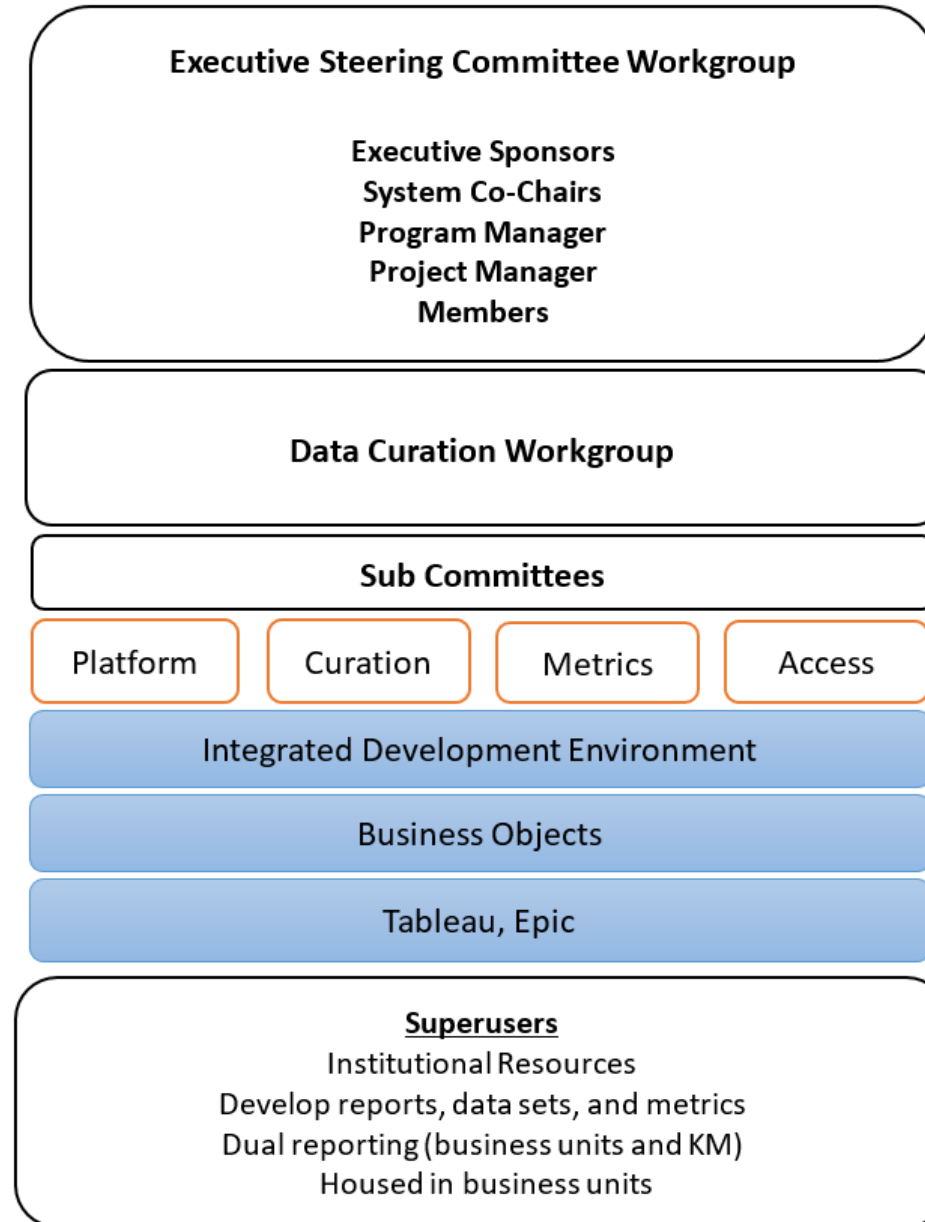
Rush System for Health

- Rush Copley Medical Center
- Rush Oak Park Hospital
- Rush University Medical Center

Ambulatory Practices

- ~50 owned practices and ~100 private practices

Data Governance Structure



2

Metric Definitions

Problem Statement

Based on similar issues coming through our Data Curation group on a consistent basis, we came up with the following problem statement:

In order to promote understanding and trust in organizational reporting, there needs to be a greater transparency and accountability in what's being reported.


 Search Maps


Welcome to Rush University System for Health (RUSH):

Data and Reporting Glossary





RUSH Glossary is a collaborative, shared view of RUSH System of Health Organizations.

- Available across the System
- Over 2,000 Terms Inventoried
- Stakeholders listed on Terms

 GLOSSARY
13 of 2641

 DATA SETS
1 of 907

List Dashboard

Name	Type	Definition
 Neuroscience Dashboard	DASHBOARD/REPOF	This dashboard is used to measure quality for Neuroscience patients at RUMC and... [Show More]
 HCAHPS Inpatient Experience Score - T11W & T12W by Received Date	TERM	The rate of HCAHPS patient experience scores with the overall rating of the hos... [Show More]
 Press Ganey Ambulatory Patient Experience-Neuroscience Clinics by Received Date	TERM	Ambulatory satisfaction scores are collected and reported through Press Ganey A... [Show More]
 Vizient Mortality Index - Neurology (O/E)	TERM	An index of total observed deaths for patients assigned to Vizient's Neurology ... [Show More]

Initial Use Case

Our goal is to inventory workbooks in Tableau and add a standardized definition tab to each workbook using Axon as the source. This will provide a greater understanding of each dashboard's purpose, transparency around metrics and ownership, a consistent look and feel, and a single (searchable) source of truth for business definitions and dashboard descriptions.

** Phase 1 will include all Workbooks that use Epic or Rush Data Warehouse Databases as a data source.*

Total Workbooks (Excludes Archive)	641
N/A (no Data Sources, Test, Admin)	13
Out of Scope Databases	
Research - OnCore	24
University (Univ Database)	46
Risk Score - ERM (excel	1
Research - MS	1
Cubes	1
In Scope - Maestro/Clarity	
Definitions: Yes	62
Workbooks to be Updated	
KM	317
Non-KM	176
University (Epic Data)	4
Decision Support	51
QA	43
Epic Analysts	2
Philanthropy	14
Rev Cycle	5
Cancer Care	45
Supply Chain	12

3

Tableau Display

Tableau Definitions Tab

The Curation Committee determined that each Tableau workbook is required to have the following:

1. Dashboard Description
2. Metric Name
3. Metric Definition
4. Metric Owner

The screenshot shows a web application interface with a navigation bar at the top containing tabs: "Executive Summary", "Detailed- Report", "Cases with Multiple Non-Comp...", and "Definitions". The "Definitions" tab is active. Below the navigation bar is a dark green header with the "RUSH" logo on the left and the word "Definitions" on the right. The main content area is divided into two sections: "Dashboard Description" and "Metrics Definitions".

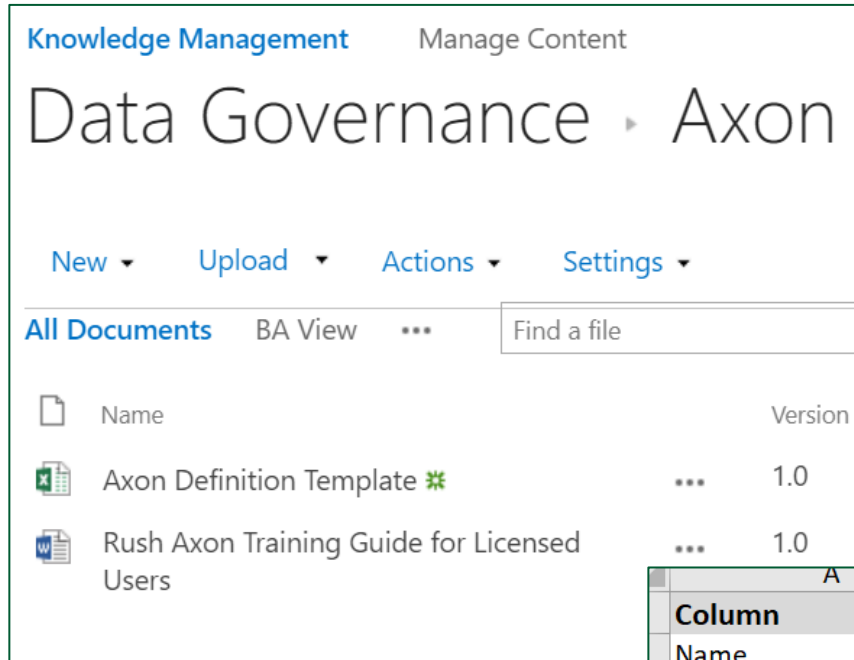
Dashboard Description

CANDLR Event Analytics (IS) This dashboard is used to measure CANDLR Event compliance for Interventional Services Patients at RUMC and it includes data from FY21-present which refreshes daily.

Metrics Definitions

Metric	Description	Definition Owner
Anesthesia	Includes cases where Anesthesia is not "None", "Local (No Anesthesia)" or "Sedation (No Anesthesia)" are included. Anesthesia Signoff time (OR Timing Event = '2') is after Prep Arrival and no later than 24 hours after Prep Arrival time. In the Events Aver	Megan Gross
Consent	Flowsheet: Consent in Patient's Preferred Language is Complete and Accurate. Flowsheet Entry Time is First Timestamp after Prep Arrival and no later than 24 hours after Prep Arrival time.	Megan Gross
Documentation	Flowsheets: Informed Consent was performed in the Patient's Preferred Language; Procedure is Medical Emergency; Sedation Planned; History of Anesthesia or Sedation Complication/Difficulty; History of Difficult Tracheal intubation; Morbid Obesity; Hemodyna	Megan Gross
Highest Event Case	The CANDLR Event with the highest number of cases (LOG ID).	Megan Gross

Templates

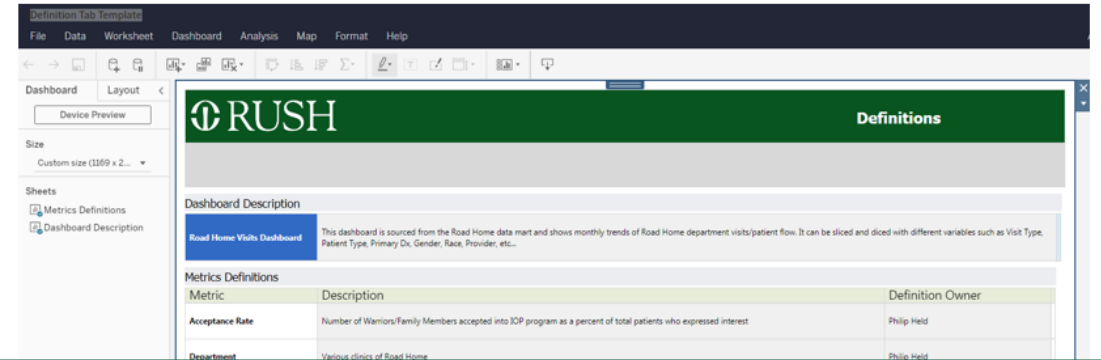


Steps to add Definition Tab in a Tableau Workbook:

1st Step: Download the Definition Tab template using given link

<http://maestrotest.rush.edu/#/site/MaestroLab/views/DefinitionTabTemplate/Definitions?iid=1>

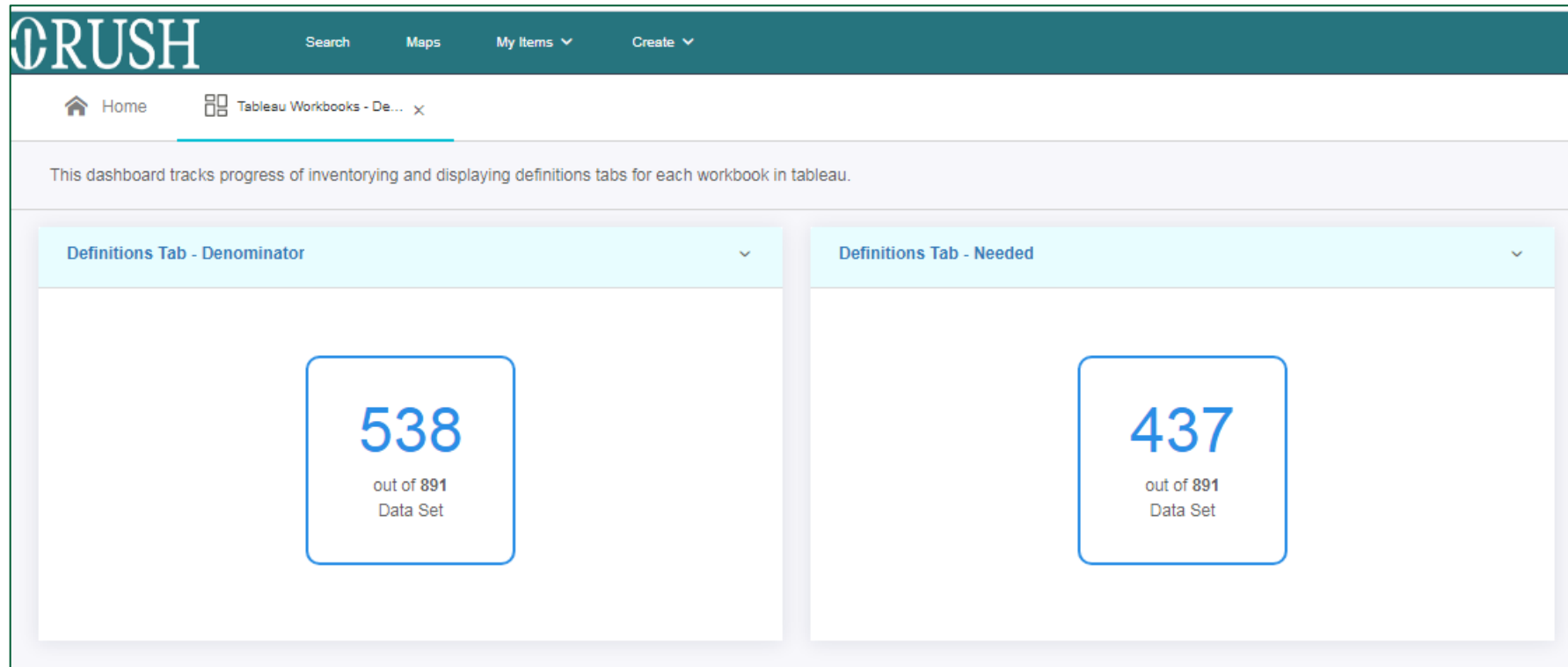
2nd Step: Copy and Paste Definition tab in your workbook



Column	Description
Name	Name of metric being reported
Business Definition	Business narrative definition
Technical Definition	Numerator, Denominator, Inclusions/Exclusions
Definition Service Area	Pick from List - Hospital(s) using the definition (RUMC, ROPH, and or RCMC)
Format	Pick from List - how the metric is reported on the dashboard
Glossary Steward	Person responsible for updates in Axon (can be decided later)
Definition Owner	Person responsible for defining the metric (i.e. who we should go to for approval if changes are requested)
Sponsor	Person that is ultimately responsible for the metric being reported
Dashboard Description Template	This dashboard is used to measure (purpose/top KPIS) for (cohort e.g. New Rush Patients) at (Service Areas included e.g. RUMC, ROPH, etc...) and it includes data from (timeframe e.g. FY19-present) which refreshes (daily, weekly, etc...).

Providing Progress Updates

- Dashboards In Production with Definitions – 101
 - Some tabs still need formatting updates
- Dashboards Needing Review - 437
- Workbooks Archived - 46



Lessons Learned

- **Business Stakeholders**
 - Transparency Fosters Buy-In
 - Multiple Ways to Achieve the Goal
- **Developers**
 - Have the Tools Ready
 - Results Promote Adoption
- **Data Governance**
 - Start Simple
 - Good Documentation Goes a Long Way

Next Steps

1. **Close out Initial Use Case**
2. **Draft Tableau Definitions Policy**
3. **Automation**
4. **Complete Remaining Tableau Workbooks**
5. **Move on to Other Applications**

Questions?

Thank you.



Rush University Medical Center

Excellence is just the beginning.