

Enterprise Data Services

Data Catalog for OMOP

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Enterprise Data Services: Target State

In early 2021, our enterprise data strategy was approved and funded which included these four main components.

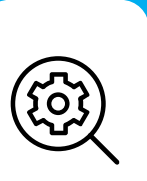
Integrated Data Hub



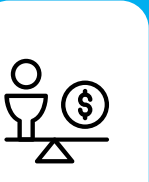
Deploy an Integrated Data Hub and data management tools to centralize an end-to-end data supply chain to efficiently support MSHS variety of data consumers

Data & Analytics Operating Model

Roll-out a hub and spoke operating model around the IDH, coordinating across demand intake & solution delivery teams to enable data and analytic re-use while controlling the distribution of data



Information Governance Management



Implement executive-led, prioritization, monitoring and reporting across data management investments and capability development

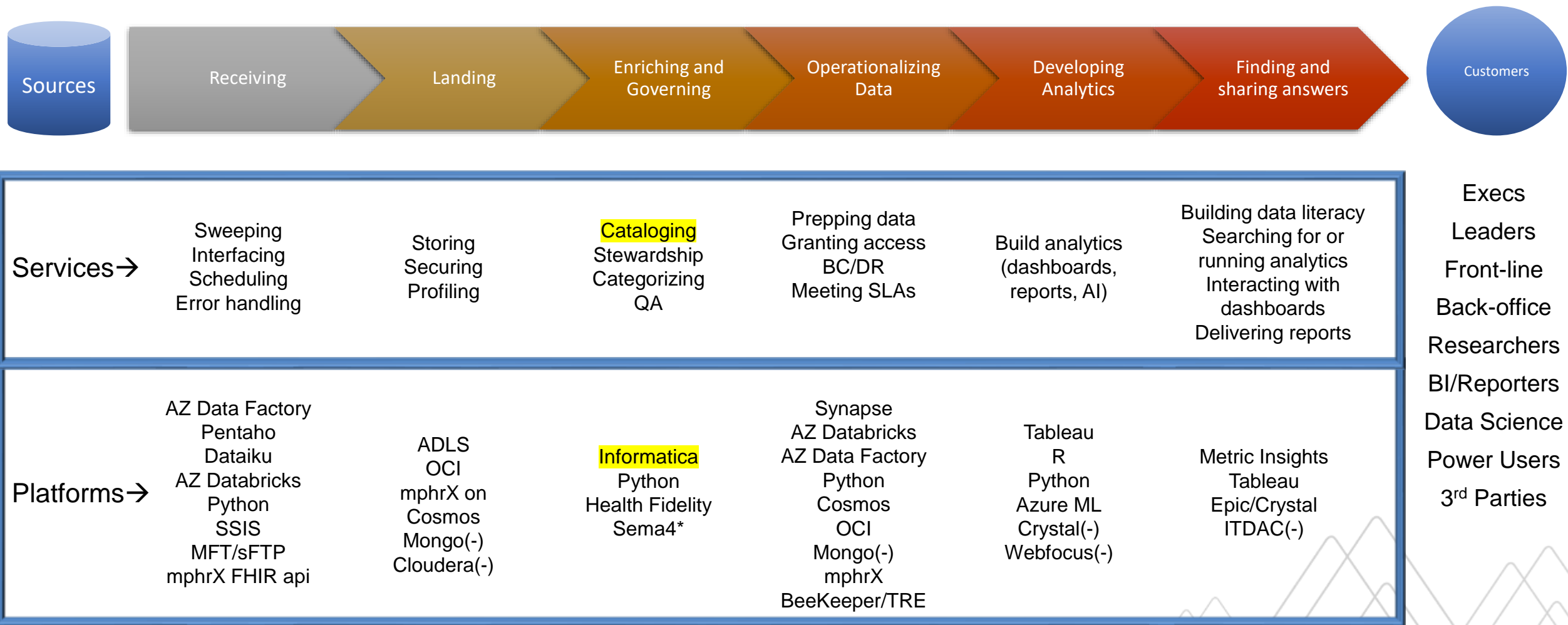
Illustrative Use Cases

Leverage prioritized Use-Cases to incrementally deploy the Target State Recommendations while delivering on organizational needs and creating value.



Enterprise Data Services: Current & Future Capabilities

EDS teams are leveraging a common methodology which can be tailored to deliver the appropriate services to our consumers (customers) leveraging current technologies and retiring them as we evolve



Initial Investments in Data Management Tools



Tool	Functions/Benefits
Informatica Data Quality (IDQ)	<ul style="list-style-type: none">•Data Quality – Ability to profile data, set business rules for fields and easily create data dashboards on the overall quality of the data. Complements ETL tools and integrates with a data catalog, glossary and dictionary.
Enterprise Data Catalog (EDC)	<ul style="list-style-type: none">•Data Dictionary/Catalog– Stores data field names, values, data formats, technical definitions, captures changes and enables search across the organization.•Reference Data – Centrally store data for use across systems, reporting, etc.
Axon Data Governance	<ul style="list-style-type: none">•Business Glossary – Stores business definitions of fields to create, manage and share a common business language across the organization.•Workflow Management - Automated workflows allow data users to design and implement data policies.

Data Catalog: Search for Data Elements, Data Sets, Definitions, Etc.

FIND

Q medication

System

Filter

Search

1

Clear

GLOSSARY
8 of 95

CLIENT
0 of 0

DATA SETS
20 of 635

SYSTEM
3 of 7

ATTRIBUTES
489 of 4109

+

List

Dashboard

Bulk Delete

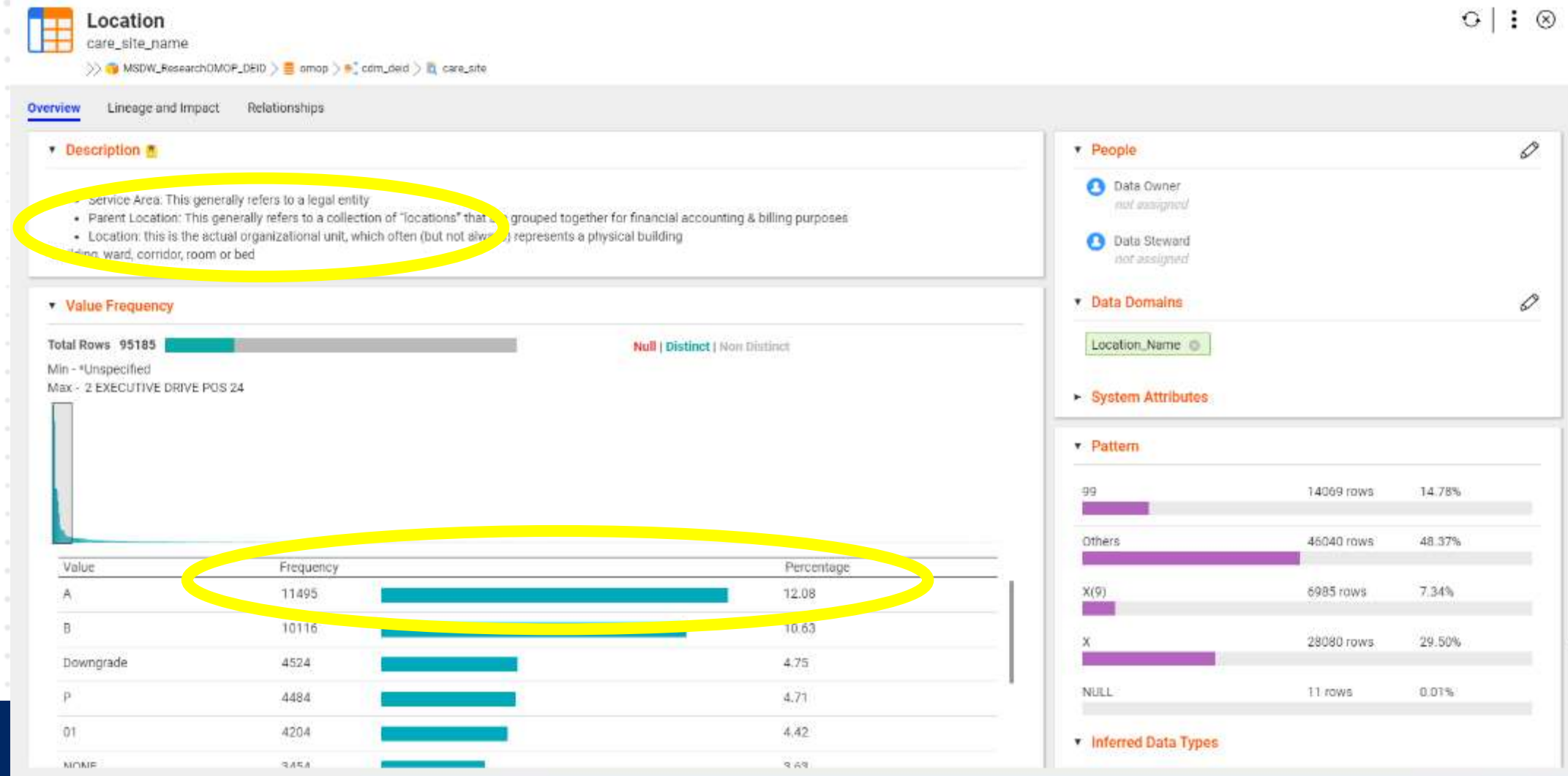
Bulk Update

Settings

Name	Type	Definition	Parent Name	Parent Type
Medications	FHIR TERM	Medication management and immunization tracking	MSHS Enterprise Business Glossary	TERM
Medication Request	FHIR TERM	An order or request for both supply of the medication and the instructions for ... [Show More]	Medications	FHIR TERM
Medication Dispense	FHIR TERM	Indicates that a medication product is to be or has been dispensed for a named ... [Show More]	Medications	FHIR TERM
Medication Administration	FHIR TERM	Describes the event of a patient consuming or otherwise being administered a me... [Show More]	Medications	FHIR TERM

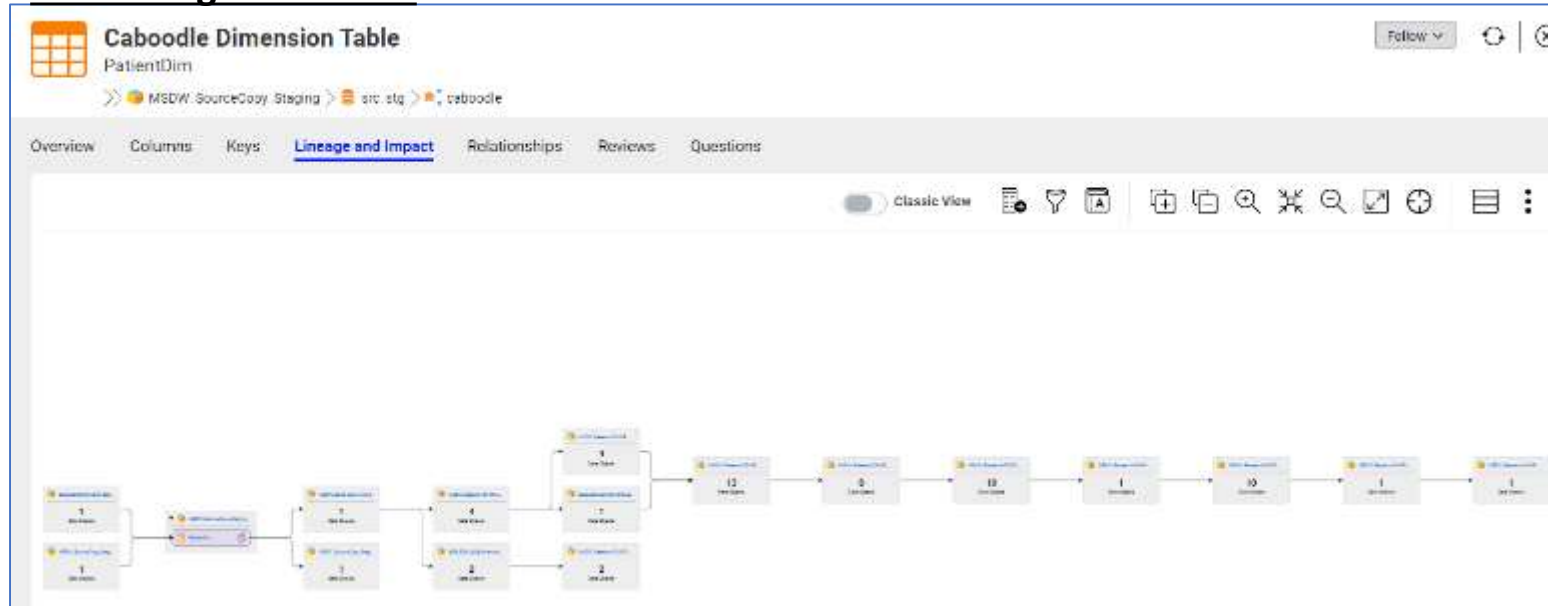
Help Me

Data Catalog: Data Definitions, Fill Rates, Profiling, Etc.

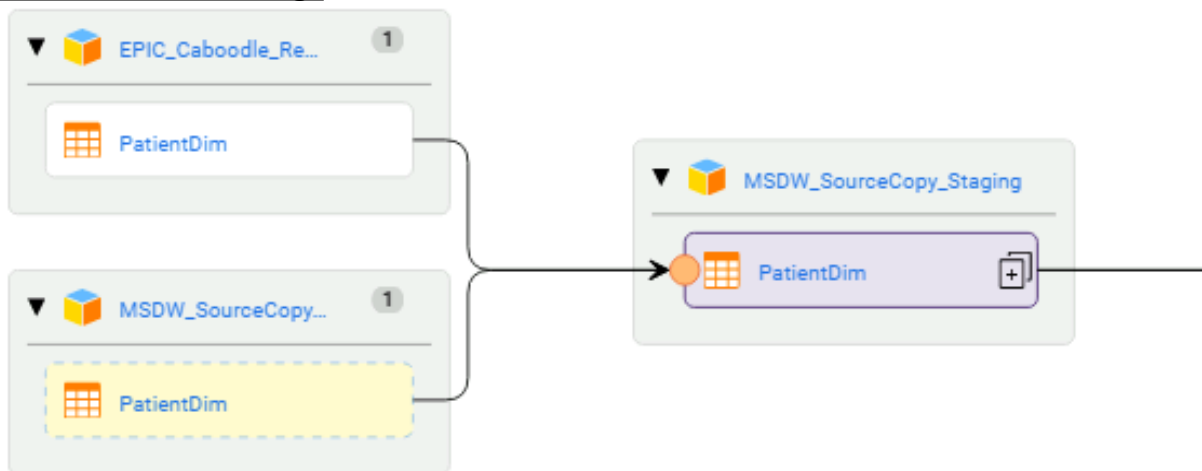


Data Catalog: Graphical View of Data Lineage

Full Lineage Overview



Caboodle-to-OMOP Lineage



SSIS Transformation Visualization

