

Improving Healthcare Ops With Data Stewardship

Business Challenge

As this health system expanded, its purpose-based EHR, data and analytical ecosystems lacked enterprise-wide accessibility to valuable data assets. This was causing fragmented claims processes, compliance risk, and reactive population health practices.

Solution

Modern Data Stewardship Framework: Automated stewardship with stakeholder collaboration.

Comprehensive Data Ecosystem: Integrated cross-system structured, semi-structured, and unstructured data.

Searchable Data Shelves: Access to thousands of cross-functional data sources inc. EHR, EDW, and other applications directly feed shelves.

Governed access to data sources: Provides for data exploration and proof-of-value.

Easy, repeatable data access: Uses APIs, orchestration, and business process automation.

Deliverable or Task	Business Owner	Organization Steward	Data Steward	Data SME	Data Custodian	Data Owner
	Business Area Support		Stewardship Services		IT Data Services	
Stewardship Data Onboarding						
Assignment of Stewardship Roles	C	A	I	I	I	I
Technical Connectivity	I	C	A	C		R
Data Decomposition & "System" Definition		C	A	R		
Stewardship Lifecycle Classification	I	I	A	R	C	
Data Provenance Assurance & Scope		C	A	R	R	I
Data Rule Assignments			A	R	C	
Glossary Management		C	A	R		
Data Domain Rules			I	A	R	
Reference Data Management Implementation		I	C	A	R	
Data Quality Rule Implementation		I	C	A	R	
Scorecards & Metrics Implementation	I	C	A	R	R	

Approach

- Develop “think big start small” stewardship operational framework to enabling clinical and business users’ process improvement
- Create searchable inventory of key data sources with common, enterprise-wide data definitions
- Automate rules-based stewardship platform to enable departmental stakeholders’ daily processes

Business Value

- One-stop, searchable data ecosystem for researchers, clinicians, claims specialists, population health experts, etc. leverage to improve quality of care and hospital operations
- Process Improvements that reduced claims errors, patient wait time, cost of care,
- More nimble scalable data & analytics platform for future projects e.g., near real time bed availability reporting to state of NY