



Health Chain

Building data-driven connections among Payers, Providers
& Members

Health Chain is the **only Health Data Management Platform** that provides an end-to-end ecosystem for the Member & Provider data value chain inside the Payer's environment, on your cloud.



Centaur's advanced EMPI capabilities seamlessly consolidate clinical, provider, and claims data into a unified Golden Record, enhancing provider analytics, boosting data quality, and empowering Payers with the strategic insights needed to drive value-based care and improve overall member outcomes.

By eliminating data silos and ensuring interoperability, Centaur enables Payers to make more informed decisions, streamline operations, and proactively address care gaps, ultimately supporting a more connected healthcare ecosystem.



Health Chain as a leader in advancing healthcare data management and supporting the shift towards value-based and streamlined authorization systems.

Next-generation value-based payment models enhance data interoperability and integrate social determinants of health, streamlining administrative processes and promoting equity in care. Intelligent prior authorization technology uses AI to cut delays and boost accuracy, addressing inefficiencies in the authorization process.



Care management programs strive to improve patient outcomes, reduce healthcare delivery costs and relieve administrative burdens.

These programs, with their proven effectiveness, continue to be a strategic leverage point for health plans. Artificial Intelligence (AI) based applications are a promising strategy for improving care management programs.



A portion of Payer challenges stem from the inability to achieve seamless interoperability, leading to siloed data, disjointed data pipelines, and a lack of alignment + collaboration across industry stakeholders.

Health Chain is the end-to-end Health Data Management Platform that reduces data hops from source to destination, curates data and transforms downstream processes: risk adjustment, prior authorization and utilization management, care management etc.

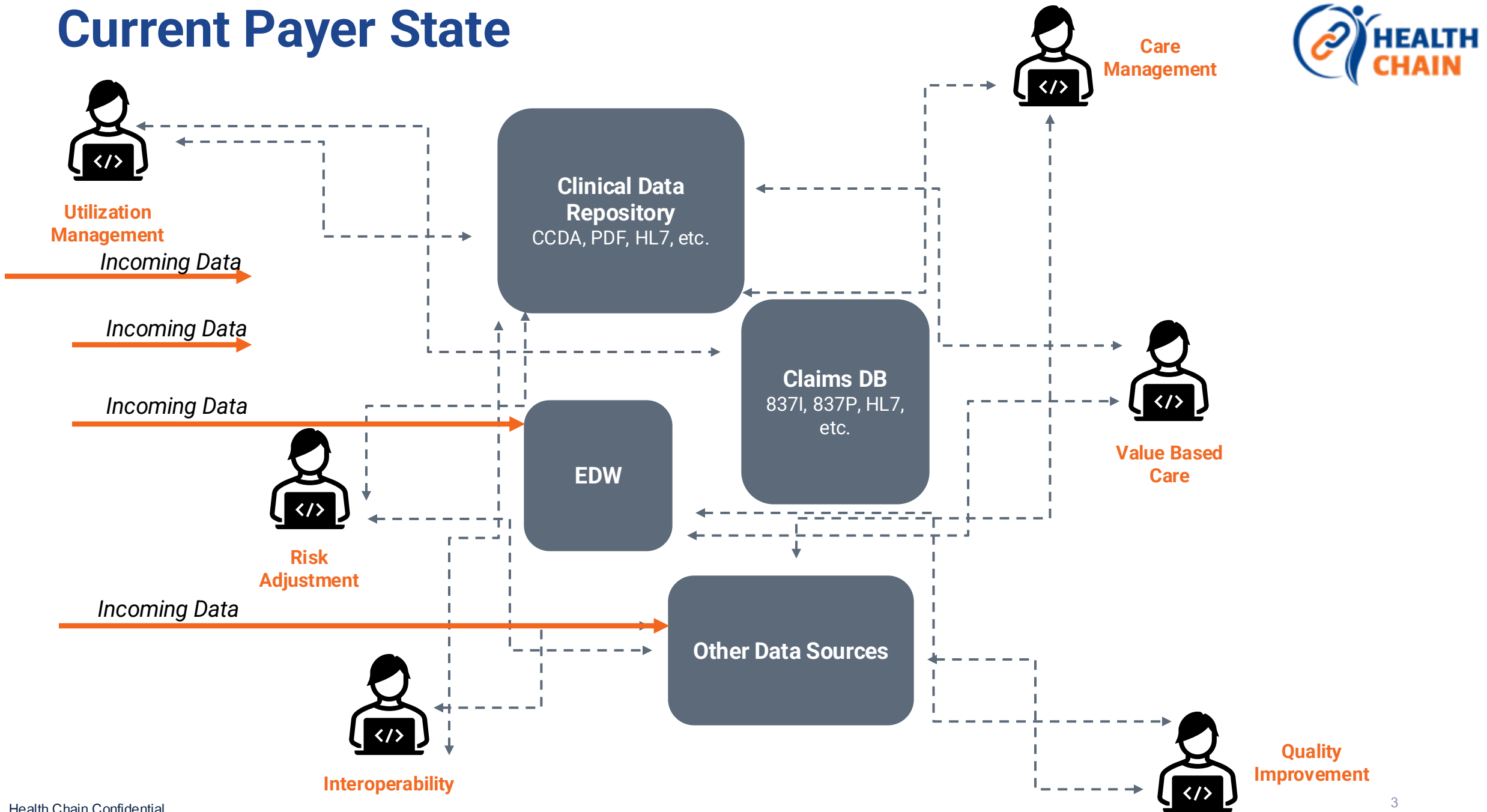
"Health Chain helped us reach the CMS Interoperability Mandate on time, within budget, successfully. Kudos to the team"

CFO, EVP, Regional Health Plan
July 2021

"Health Chain brought the best of their brains together to help us support CMS Interop while empowering the business with access to consumable member data"

CDAO, Regional Health Plan
August 2022

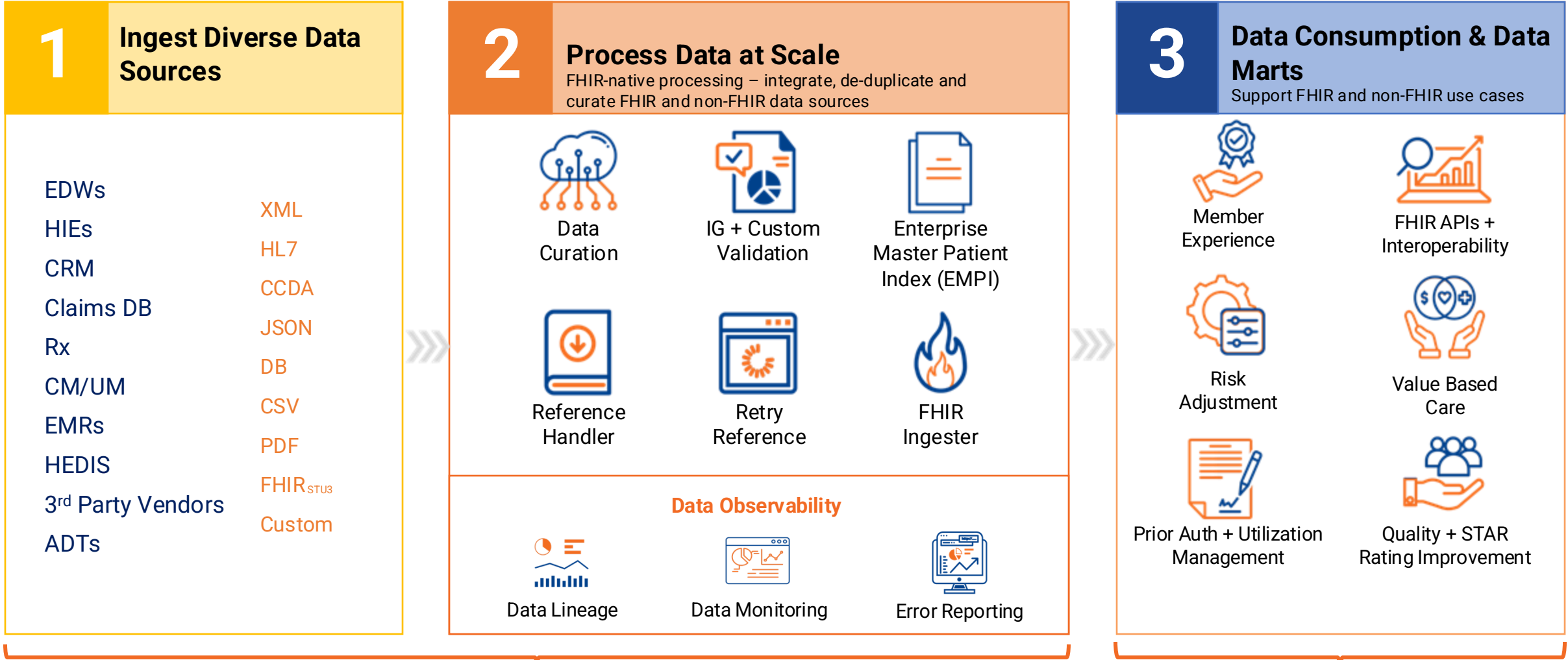
Current Payer State



Health Chain Platforms Overview



CERTIFIED DATA PARTNER



Centaur Data Platform

Health Data & Interoperability Gateway

Health Chain Platforms Overview

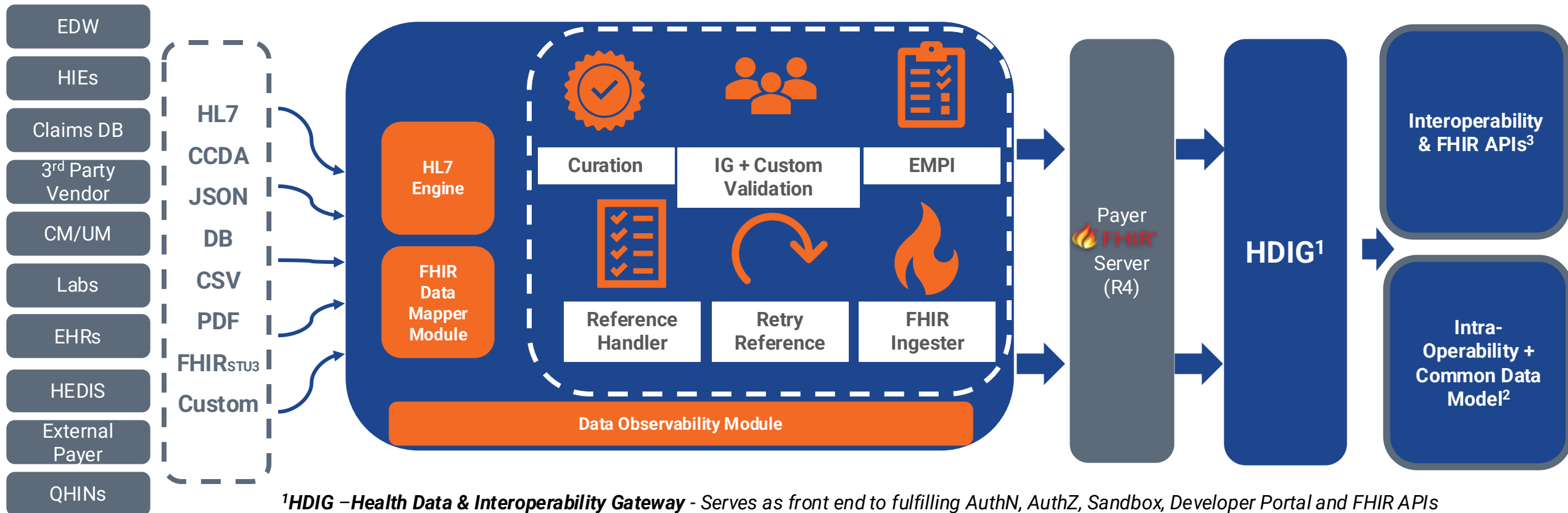
Ingestion

Message Routing & FHIR Mapping

Curation & Observability

Data Storage + FHIR Conversion

Health Data & Interoperability Gateway



¹HDIG –Health Data & Interoperability Gateway - Serves as front end to fulfilling AuthN, AuthZ, Sandbox, Developer Portal and FHIR APIs

²Intra-Operability + Common Data Model – Financial, Quality Measures, Treatment Periods, Care Management, Prior Auth + UM, VBC, Risk Adjustment, etc.

³Interoperability & FHIR APIs – FHIR APIs - Patient Access API, Provider Access API, Prior Auth API, Payer 2 Payer API, Benefits Check API

Health Data Management Platform

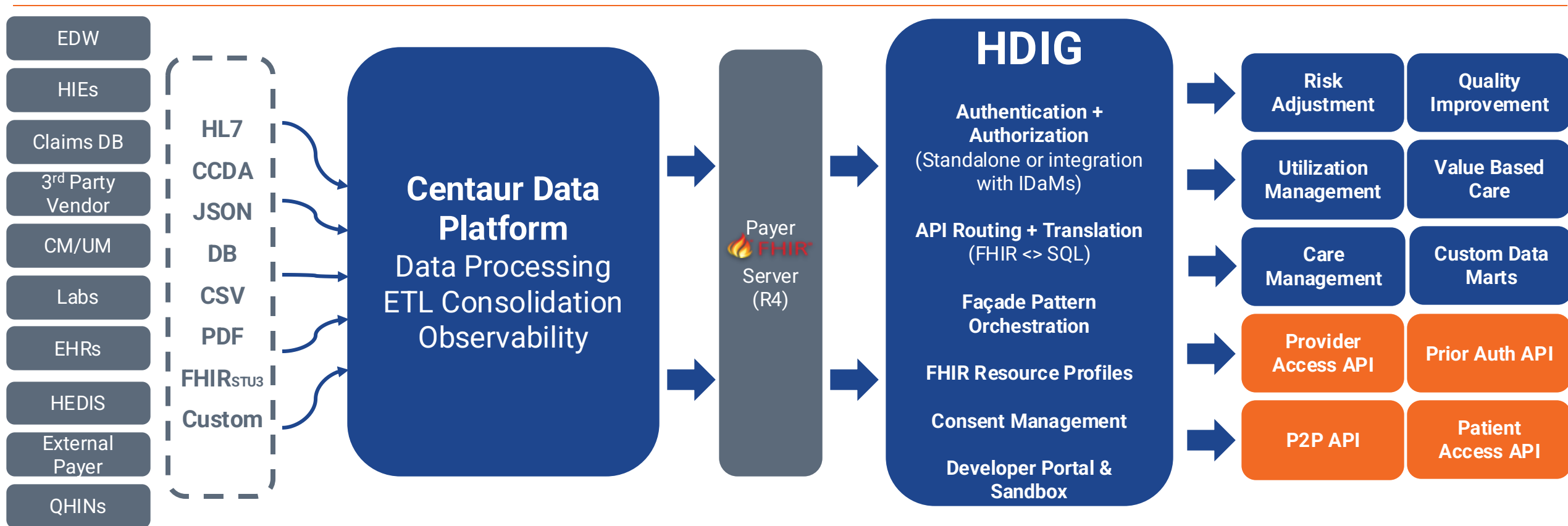
Ingestion

Data Processing

Data Storage + FHIR Conversion

Health Data & Interoperability Gateway

Downstream Consumption



Centaur Data Platform

Key Capabilities



Centaur is a NCQA certified data ingestion and processing Platform as a Service (PaaS) through which Payers can establish connectivity with both internal and external data sources to **ingest, curate and enrich** disconnected member records and convert them to longitudinal member records in the **FHIR format**.



Data Ingestion – Format / Standard agnostic (FHIR, CCDA, XML, PDF, HL7, etc.) + system agnostic (Athena, Epic, Greenway, ECW, HIEs, Claims Processing Engines, DBs, etc.)



EMPI – Proprietary Enterprise Master Patient Index logic supported by numerous algorithms, as well as integration with existing EMPI capabilities



Data Validation – Provide out-of-the-box and custom data validation rules for touchless data processing while validating data quality and integrity



De-Duplication – Centaur identifies duplicate data elements across all data sources and eliminates any redundancy prior to insertion in the longitudinal member record



Data Observability + Governance – Payer owns the data in their environment, with full visibility into each pipeline from source to destination to optimize data observability and quality



On-Prem, On-Cloud Deployment – Centaur is containerized and runs natively in Payer's Cloud subscription, eliminating data hops while leveraging the scalability of your cloud infrastructure

Health Data & Interoperability Gateway(HDIG)

Supporting Interoperability + Intraoperability

The Health Data & Interoperability Gateway is Health Chain's data consumption enablement platform that lowers the barrier to access the highly valuable data being made available to health plans



Developer Portal & Sandbox - HC Developer Portal with sandbox testing capabilities enables Payers to create a compliant environment and provide a robust testing environment for developers, improving integration experience.



Out-of-the-Box Data Marts - Discover the power of HDIG's pre-built data marts, designed for specific business use cases, and unleash the potential to create custom data marts based on the core data model.



API Translation and Routing - HDIG facilitates seamless integration with legacy systems, making it easier for payers to adopt FHIR standards without extensive reengineering.



Interoperability APIs - By providing pre-built profiles for Patient Access API, Payer-to-Payer (Pdex), PriorAuth(CRD, DTR, PAS) etc., HDIG accelerates implementation and compliance with required interoperability standards



SQL on FHIR - HDIG provides seamless access to members' longitudinal FHIR records for advanced analytics and ML applications through flattened essential data views.



Authorization and Authentication - With standalone capabilities or integration with existing IDaMs, HDIG addresses security concerns by ensuring only authorized access to patient data.

HL7 Engine

Centaur's HL7 Engine handles the processing, routing, transformation and validation of HL7 messages.



Cloud-agnostic deployment options and an auto-scaling architecture based on data volumes, seamlessly integrating with existing healthcare systems.



HL7 Validator performs schema validation for various HL7 versions, ensuring syntax and message structure validation, data type validation, and custom validation rules for specific business needs.



Handle various HL7 message versions and formats, including HL7 v2.x and HL7 v3, with robust parsing capabilities for data extraction and transformation within HL7 messages.



Intelligent Error Handling and Retry Logic with tiered scheduling, structured storage, and efficient cleanup for optimized message management and error analysis



HL7 Router routes HL7 messages through the MLLP (Minimum Lower Layer Protocol) protocol, ensuring seamless communication between systems.



Intuitive dashboard for managing HL7 channel interfaces. Provides real-time monitoring of data lineage as well as metrics regarding the unprocessed messages

Centaur Data Platform



Data Observability Module

Centaur's Data Observability Module provides Payers with end-to-end visibility across pipelines to increase operational intelligence, optimize data timeliness and provide more reliable data across the enterprise



Monitor data journey from source to destination at both the individual pipeline and enterprise levels - across sources, file types and resources



'Shift data reliability left' to proactively identify and address data quality issues in your pipelines **before** data reaches its' destination(s)



Validate data processing and optimize resource utilization down to the individual FHIR resource



Set custom alerts + notifications for your team to help maintain Service Level Agreements



Optimize system performance + scalability with auto scaling and CPU usage monitoring



Built on OpenTelemetry to enable **integrations with 46+ data visualization tools**

Why Health Chain?



**Native FHIR + non-FHIR
Data Processing to
Support Interop Mandates
+ Enterprise Use Cases**



**Use Health Chain to
Establish Scalable
Architectural Pattern
Across Enterprise**



**Increase Access, Control,
Observability + Integrity of
Data Across Environment**

Thank You!

Contact Us



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