



HDP

Healthcare Data Pipeline

Modular, Scalable and Self-managed Solution for Healthcare Data Aggregation

Healthcare organizations today need to effectively aggregate healthcare data from diverse source systems to create longitudinal patient records and better quantify performance. However, they face multiple challenges around data ingestion and processing, due to large volumes of data received from varied sources systems in multiple formats.

CitiusTech's HDP (Healthcare Data Pipeline) enables healthcare organizations to acquire, parse, validate and persist structured / semi-structured healthcare data. The solution includes specialized modules for data parsing, data quality, data standardization, MPI, storage and ETL. With HDP, healthcare IT and analytics teams cannot just ingest and process clinical data, but also to consume it in standardized formats.

Part of CitiusTech's H-Scale platform for healthcare data management, HDP enables IT and analytics teams to design and deploy their own pipelines using a simple 'Pipeline Builder' feature. It provides a highly configurable user interface that allows teams to set rules for data transformation, standardization and reconciliation.

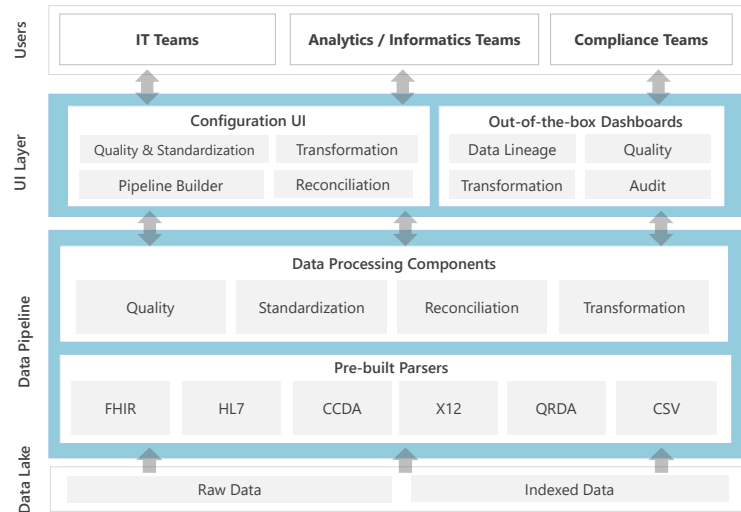
HDP: Key Advantages

- Reusable parser framework to streamline ingestion and processing across formats such as FHIR, HL7, CCD, X12, QRDA, CSV, etc.
- Simple 'Pipeline builder' to create your own pipeline using pre-built components - parsers, data quality, standardization, transformation, reconciliation and storage
- Shorter deployment time (as little as 8 weeks) to help healthcare organizations accelerate their clinical ingestion initiatives
- Off-the-shelf configuration of data lifecycle management rules
- Modular, scalable and self-managed components for data lineage and data lifecycle management

HDP also enables healthcare organizations to map the ingested clinical data to standard or custom data models, custom logic (e.g., member matching) and provides reporting capabilities such as operational statistics, reporting, audit and error logging. It also supports HL7 standard implementation guidelines as well as vendor-specific requirements.

HDP has been used by a leading HIE to aggregate disparate data sources like EHR, patient billing and claims systems to create a robust data model.

It has also been used by a leading lab services provider to parse HL7 and CCD data and generate alerts.



HDP Architecture

About CitiusTech

CitiusTech is a specialist provider of healthcare technology services and solutions to healthcare technology companies, providers, payers and life sciences organizations. With over 4,000 professionals worldwide, CitiusTech enables healthcare organizations to drive clinical value chain excellence - across integration & interoperability, data management (EDW, Big Data), performance management (BI / analytics), predictive analytics & data science and digital engagement (mobile, IoT). CitiusTech helps customers accelerate innovation in healthcare through specialized solutions, platforms, proficiencies and accelerators. With cutting-edge technology, world-class service quality and a global resource base, CitiusTech consistently delivers best-in-class solutions and an unmatched cost advantage to healthcare organizations worldwide.

Princeton | New York | Rochester | Dallas | Boston | Philadelphia | Mumbai | Bengaluru | Chennai | Dubai | Singapore | London