

# H-Scale™



## Comprehensive Healthcare Data Management Platform

Interoperability | Data Governance | Big Data

 **CitiusTech**

H-Scale streamlines and simplifies healthcare data acquisition, storage, curation and provisioning

Compliant with major healthcare privacy and security considerations such as HIPAA, 21CFR

Offers a unique Analytics Sandbox with configurable tools for BI / analytics and Data Science teams to create AI/ML use cases

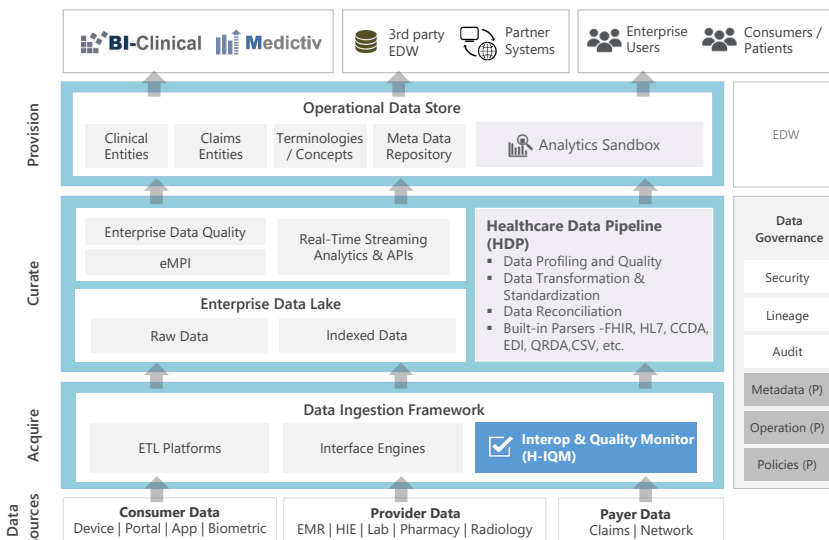
Works seamlessly across on-premise as well as cloud deployments

## H-Scale: Comprehensive Healthcare Data Management Platform

Healthcare organizations today need to manage massive volumes of structured, unstructured and semi-structured data streaming in from EHRs, claims systems, medical devices, labs, pharmacies, consumer apps, etc.

H-Scale is a one-stop interoperability and data management platform to meet the varied data needs of large healthcare organizations, implement robust data strategies and establish a scalable data architecture. H-Scale addresses key healthcare information needs including data acquisition, Big Data processing, data quality monitoring, data streaming, security and advanced analytics.

H-Scale is portable to any data platform including Hadoop, NoSQL, MPP, RDBMS. Its modular, configurable and scalable architecture allows enterprises to build robust data strategies for their unique needs.



H-Scale Architecture

## Robust Architecture

- Seamless integration of data across the care continuum (providers, payers, ancillaries, etc.) to provide a single source of truth
- Big Data support – structured, unstructured and semi - structured data
- Operational Data Store to store standardized and processed data

## Powerful Data Governance

- Consistent data strategy across data stores, deployment models and distributions
- Business user-driven Data Lifecycle Management (security, lineage and audit)
- Data curation and Master Data Management  
Standard and custom data models

## H-IQM: Interop & Quality Monitor

- Real-time data quality monitoring at source
- Pre-built library of 1,500+ healthcare data quality rules
- Centralized platform to support all interoperability standards
- Unified view of data quality metrics and issues

## HDP: Healthcare Data Pipeline

- Reusable parser framework to streamline clinical data ingestion and processing (CCDA, HL7, FHIR)
- Off-the-shelf rules for data lifecycle management
- Pipeline Builder feature to create your own pipeline using pre-built components

## Success Stories

### Leading HIE

Implemented H-Scale to build a robust healthcare data model that could process high volumes of data (300K,000 messages per day) - \$1.3M savings through process efficiencies

### Large Lab Services Provider

Used H-Scale to create a real-time message processing and event notification system. Built specialized parser engines to parse HL7 and CCD data and generate alerts

### Renal Care Leader

Unified data platform to aggregate and standardize disparate data and provide a robust reporting and analytics infrastructure to support key business focus areas

## 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.

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