

Powering the Future of Healthcare ▶

## H-Scale

Healthcare data management platform: Empowering data & analytics teams to architect and drive a modern data strategy

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**200+**

Modules deployed across healthcare organizations

**1,500+**

Pre-built data quality rules

**10x**

Faster speed of business

**30%**

Faster deployment / go-live

## H-Scale: Modular & Scalable Platform for Complete Healthcare Data Management

**H-Scale™**, CitiusTech's next-generation data integration and management platform enables you to make data the backbone of your organization. Its modular and scalable architecture gives organizations the control and flexibility to build a robust and scalable enterprise data architecture and align to changing business needs, while future proofing your data strategy.

H-Scale simplifies data acquisition, reconciliation and transformation – from EHRs, claims systems, medical devices, labs, pharmacies, consumer apps, etc. It addresses key healthcare data management needs – structured & unstructured data processing, data quality, data streaming, security, governance and advanced analytics.

H-Scale can also connect to a unique Analytics Sandbox with configurable tools for BI / analytics and Data Science teams to create AI/ML use cases.



**Robust**

Enterprise Data Framework (EDF)

**Secure**

HIPAA & 21CFR compliant

**Flexible**

On-premise, Cloud or hybrid

 Azure

 amazon web services™

 IBM

 Hortonworks

 cloudera

## H-Scale: Key Modules

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### Data Ingestion & Management

*Simplify batch or real-time ingestion across multiple integration points*

- Big Data support – structured, unstructured and semi-structured data
  - Operational Data Store to store standardized and processed data
  - Data curation & Master Data Management
  - Standard and custom data models
  - Sophisticated DIY architecture
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### H-IQM: Interop and Quality Monitor

*Address data quality at source, in real-time*

- Tracking real-time data quality at source
  - 1,500+ data quality rules
  - Data profiling, quality and standardization
  - Data Quality Reporting dashboard
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### HDP: Healthcare Data Pipeline

*Streamline data ingestion, aggregation and standardization*

- Data transformation, standardization and reconciliation module.
  - Parser framework to streamline clinical data ingestion and processing (CCDA, EDI, HL7, FHIR)
  - Pipeline Builder feature to create your own pipeline using pre-built components
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### Rules Lineage

*Get comprehensive data curation and data life cycle management*

- Visualize pipeline progression
  - Understand rules applied to curate data - quality, aggregation, transformations and reconciliations
  - Trace all rules used to curate datasets
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## H-Scale: Add-ons

- **Analytics Sandbox**
- **Repository of meta data & terminologies**
- **Standard & custom healthcare data models**

## Success Stories

### **Large lab service provider:**

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

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

**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 ([www.citiustech.com](http://www.citiustech.com)) is a leading provider of healthcare technology services, solutions and platforms to over 130 organizations across the payer, provider, medical technology and life sciences markets. With over 5,000 technology professionals worldwide, CitiusTech powers healthcare digital transformation through next-generation technologies, solutions and accelerators. Key focus areas include healthcare interoperability & data management, quality & performance analytics, value-based care, omni-channel member experience, connected health, virtual care coordination & delivery, personalized medicine and population health management. CitiusTech has two subsidiaries, FluidEdge Consulting ([www.fluidedgeconsulting.com](http://www.fluidedgeconsulting.com)) and SDLC Partners ([www.sdldapartners.com](http://www.sdldapartners.com)), with deep expertise in healthcare consulting and payer technologies, respectively. CitiusTech's cutting-edge technology expertise, deep healthcare domain expertise and a strong focus on digital transformation enables healthcare organizations to reinvent themselves to deliver better outcomes, accelerate growth, drive efficiencies, and ultimately make a meaningful impact to patients..

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