

CitiusTech Modern Data Engineering



CitiusTech Modern Data Engineering: Overview

A highly fragmented data ecosystem, stringent privacy regulations, data quality & governance are posing significant challenge to healthcare organizations looking to use data and analytics to drive operational efficiencies, lower costs and increase profitability.

CitiusTech's Modern Data Engineering solution brings together best-in-class data architectures and a deep understanding of healthcare (data, workflows & standards), to address the information needs of a healthcare enterprise. The solution includes:

- **Modern data strategy** – data transformation, enrichment, enhancement and optimization
- **Architecture, development and governance** of large-scale healthcare EDW implementations
- **Strong interoperability expertise** – with coverage of major healthcare data types, formats and standards
- Proprietary **Enterprise Data Framework (EDF)** to accelerate implementation and best-practice adoption
- **Healthcare Big Data** expertise – acquisition, modeling, data lake, MDM, security, governance & data quality

H-Scale

Healthcare Data Management Platform

H-Scale™, CitiusTech's next-generation healthcare data integration and management platform, enables you to make data the backbone of your organizational strategy. Leading healthcare organizations leverage H-Scale to build robust, scalable data strategies using modular capabilities like automated ingestion pipelines, EDW, Data Lake governance frameworks and BI/reporting tools.

Enterprise Information Management

- Integration of **structured, semi-structured, & unstructured data** sources using ingestion frameworks
- **Modern Data Pipeline:** Cloud adoption, data lakes & modern data warehouse
- **BI-DW:** EDW assessment, data acquisition, data modeling & reporting (**managed services**)
- **Data quality, security & master data management (MDM)**
- Industry models (**FHIR, UDMH, OMOP**) & **custom data models**

BI / Analytics & Reporting

- **Enterprise analytics:** Actionable insights with advanced visualizations and embedded analytics, for descriptive and predictive needs
- **Pre-defined KPIs, dashboards & scorecards:** BI-Clinical (OEM BI), system health dashboards
- **Streaming analytics:** Real-time data processing pipeline
- **Self-service & ad-hoc** analytics
- **Log analytics:** Integrate, aggregate and pre-identify KPIs

CitiusTech Modern Data Engineering: Focus Areas

Customer Value

- Enhanced patient engagement and proactive health interventions to enable patient-centric care models
- Advanced AI use cases to power precision medicine
- Better regulatory compliance i.e., data integrity for HIPAA
- Accurate measure reporting for MU, ACO, Medicaid – through high quality and reliable data
- Reduced operational overheads and data redundancies

About CitiusTech

CitiusTech (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) and SDLC Partners (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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