

Healthcare System Integration



CitiusTech System Integration Practice

CitiusTech has a dedicated System Integration Practice that works with some of the world's leading healthcare organizations to solve key industry challenges around care coordination, interoperability, patient / provider engagement, remote patient monitoring, mergers and acquisition, regulatory and regulatory compliance.

Our deep interoperability expertise - across major EHRs, medical devices, imaging modalities, labs, radiology and pharmacy systems – equip our customers to build connected health ecosystem, delivering superior care and experiences. Besides clinical system integration, CitiusTech integrates financial systems to accelerate the revenue cycle and streamline operational systems that drive business excellence.

We have been a value-added partner providing integration and interoperability solutions to leading healthcare organizations for over 16 years. We work closely with our clients to drive strategic interoperability, implementation, and support initiatives across the care continuum. Our data engineering and integration practice builds, tests, and implements mission-critical technology to realize system integration for improved care coordination and accelerated patient or member onboarding.

Key Offerings

- Integration consulting
- Interoperability enablement:
 - ✓ *Clinical systems*
 - ✓ *Financial systems*
 - ✓ *Operational systems*
- Device and imaging modality connectivity
- Cloud data ingestion and migration
- Data management
- Professional services:
 - ✓ *Real-time monitoring and sustenance*
 - ✓ *HIT implementation*
 - ✓ *HIT enhancement*
- Infrastructure management

250+

HL7 / FHIR professionals

6000+

Interfaces implemented

350+

Applications integrated

50+

Accelerators for system integration

4 of top 7 HIE

using CitiusTech professional services

25+

Types of medical devices connected

Integration Consulting



- As-is and to-be state assessment
- Interoperability and data strategy
- Regulatory programs and standards consulting
- Tools and technology evaluation
- Implementation and customization assessment
- Modernization strategy including cloud strategy
- Application consolidation assessment

Interoperability Enablement



- Standards-based integration for EHRs, LIS, RIS, and others, including HL7, FHIR, IHE profiles
- EDI management and payer system integration
- Data migration and management
- Device connectivity enablement
- Imaging data exchange
- Operational systems integration – Salesforce, HR systems, ERP, etc.

CitiusTech System Integration

Implementation and Support



- Customer site implementation – configuration, setup, implementation, and test interfaces
- HIT enhancements – software patches, feature updates, code refactoring, application consolidation
- Documentation and user training
- Real-time monitoring and 24x7 support
- Cloud and on-premise infrastructure monitoring – applications, databases, performance and security

Accelerators



- PERFORM+ Connect (FHIR enablement)
- PERFORM+ DataScale (Big Data processing)
- Data models (clinical, operational and financial)
- Interop Quality Monitor (streaming data quality)
- EMR integration framework (FHIR, CCDA)
- Data transformation (data mapping framework)
- Clinical information extraction (NLP)

Customer Value

- **Fast-track interoperability** and customer onboarding
- **Enhance centralized data management** and business agility
- **Improve system security** and expedite **real-time data updates**
- Accelerate growth and innovation, leading to **savings in cost and storage**
- **Reduce transition errors** due to consistency issues
- **Improve global availability of patient data** across systems

About CitiusTech

With 6,500+ healthcare technology professionals worldwide, CitiusTech helps leading healthcare and life sciences organizations reinvent themselves by accelerating digital innovation, leveraging next-gen technologies, and driving data convergence across the healthcare ecosystem. We provide strategic consulting, digital engineering, data, analytics & AI, specialized platforms and end-to-end solutions to over 130 organizations across the payer, provider, medtech and life sciences industries. Our key focus areas include healthcare interoperability data management, quality performance analytics, value-based care, omni channel member experience, connected health, virtual care delivery, real-world data solutions, clinical development, personalized medicine and population health management.

Our cutting-edge technology expertise, deep healthcare domain expertise and a strong focus on digital transformation enables healthcare and life sciences organizations to deliver better outcomes, accelerate growth, drive efficiencies, and ultimately make a meaningful impact to patients.

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