

# Interoperability and FHIR<sup>®</sup> in Life Sciences



## Accelerate Interoperability and Convergence with PERFORM+ Connect

While data interoperability simplifies administrative workflow, diminishes data errors, and creates an opportunity for clinicians to see the entire patient's history, challenges abound in achieving integration across sites, electronic data capture, incomplete and inconsistent data, inability to identify data sources, lack of interoperability standard enforcement and security compliance.

When avoided or resolved, life sciences organizations harness the value of data in sound, nimble evidence-based decisioning.

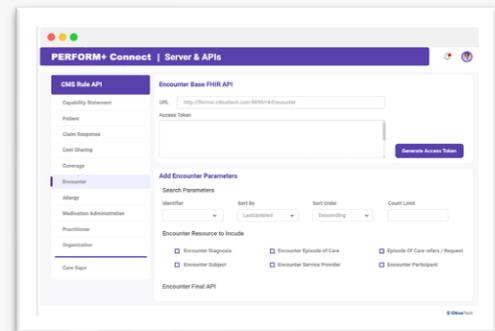
CitiusTech created an end-to-end FHIR implementation suite, called **PERFORM+ Connect** that offers pre-built modules to accelerate implementation along with Identity Access Management and Consent Management services to connect disparate systems, standardize data, and enable real-time access.

Our industry-leading solution accelerates a FHIR-enabled data strategy with flexible cloud and on-premise implementation support backed by CitiusTech's strong interoperability practice of 250+ HL7 and FHIR certified professionals.

## PERFORM+ Connect

### Accelerate Convergence and FHIR<sup>®</sup> Deployment

An end-to-end FHIR implementation suite that offers modular components, accelerators, and services.



## Real-world FHIR Implementation Components

### Server & APIs

- Prebuilt HIPAA compliant FHIR Server & APIs as mandated by CMS
- Utilizes profiles from HAPI FHIR libraries and exposed FHIR APIs to consume applications
- Readily consumable FHIR APIs as per the standardized set of health data classes and constituent data elements in USCDI

### Identify & Access Management

- IAM solution for modern applications and services using Keycloak
- Single sign-on along with standard security protocols such as OpenID Connect, OAuth 2.0, and SAML 2.0
- Supports fine-grained authorization policies and combines different access control mechanisms

### Consent Management

- Portal allows patients to create, update or revoke consent
- Integrated with Keycloak for user authentication and API authorization
- Compliant with Privacy Consent Directive using Consent FHIR Resource

## Realized Customer Value

- 350+ Clinical applications built
- 4,000+ Interfaces deployed
- Zero data footprint for SMART on FHIR application
- 140K+ HEDIS gaps identified with clinical data pipeline accelerator
- ~\$2.5M in savings realized

### Additional FHIR references:

- SMART on FHIR integration with CDS
- FHIR for depression treatment
- FHIR integration for renal care

## 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.

Princeton | Rochester | Philadelphia | Pittsburgh | Clarksville | Dallas | Boston | Bellevue | Mumbai | Airoli | Bengaluru | Hyderabad | Pune | Gurugram | Chennai | Ontario | Vancouver | London | Dubai | Singapore