

# FHIR® Adoption Framework for Payers

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With the healthcare industry moving towards value-based care and government bodies enforcing multiple regulatory mandates, FHIR® can be a catalyst to transform the payer landscape and achieving regulatory compliance.

CitiusTech's FHIR® adoption framework will help payers analyze their FHIR® readiness as they grow and accomplish their interoperability goals.

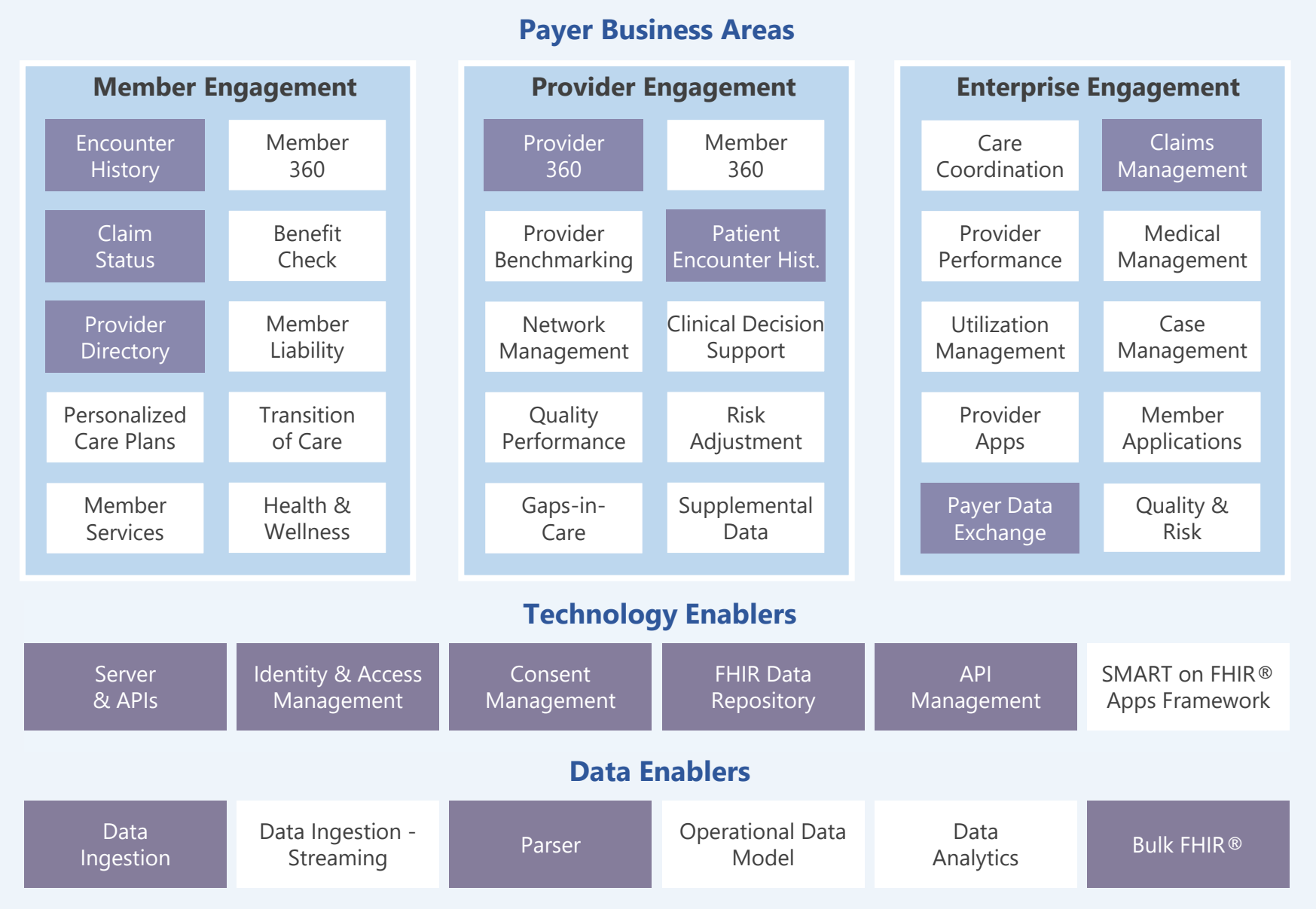


# CitiusTech's FHIR® Adoption Framework

## Payer Ecosystem

To comply with CMS' Rule, payer organizations should:

- Posses a FHIR® enabled consumer-centric payer ecosystem across its business areas
- Achieve and modernize use cases across business areas – member engagement, provider engagement and enterprise with FHIR®
- Own **technology** and **data enablers** necessary for better FHIR® adoption



■ For CMS Interoperability & Patient Access Rule Compliance

## FHIR® Readiness Stages

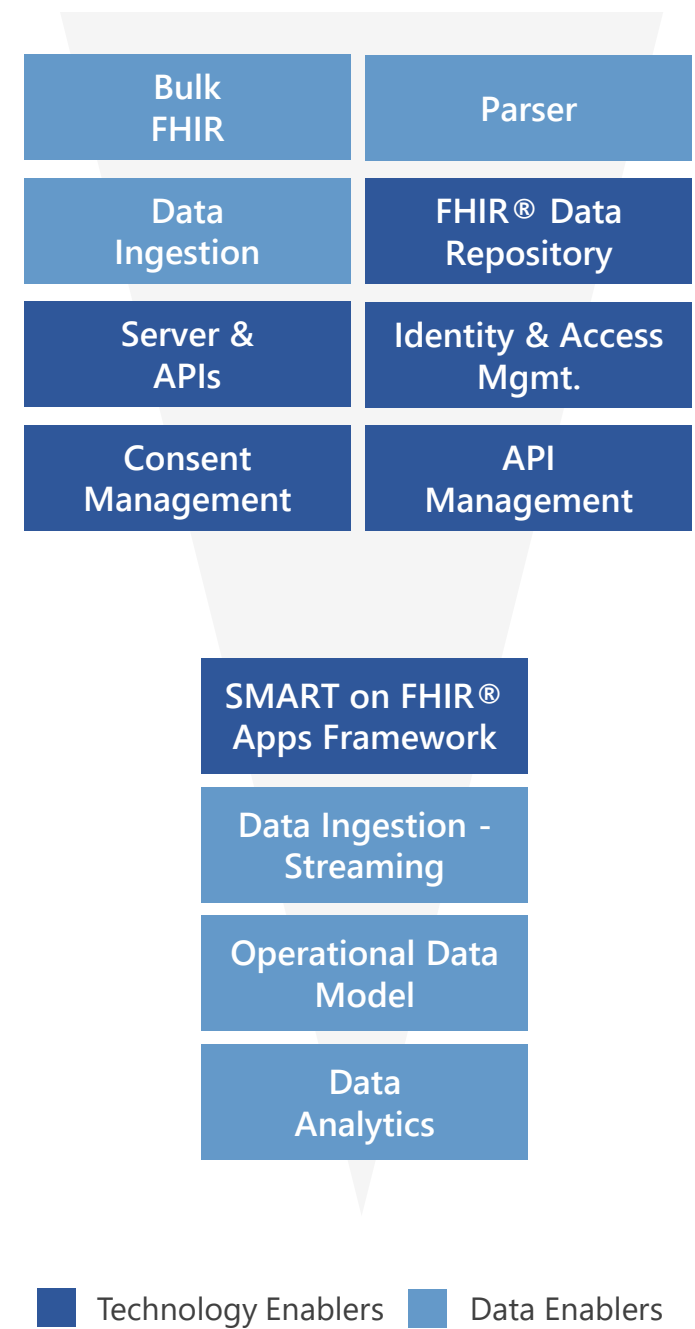
- Payers need to be aware of their state of preparedness to advance interoperability in their organization
- This will enable payers to set realistic and achievable goals around their FHIR® initiatives
- CitiusTech has identified two stages of FHIR® readiness:
  - Foundational
  - Transformational

### Stage 1 **Foundational**

To comply with CMS' Interoperability and Patient Access Rule, payers need to ensure their FHIR® adoption journey consists of essential technology and data enablers. This will allow relevant and seamless exchange of data between payers and relevant stakeholders in the payer's ecosystem.

### Stage 2 **Transformational**

To align organization interoperability strategy and member and provider experience, data model designing and FHIR®-based real-time data ingestion pipeline automation practices are pivotal.



# FHIR® Implementation Approach

CitiusTech engages with payers to offer data and technology enablers and accelerators for:

- Preparing payer organization for an accelerated FHIR® adoption journey
- Ensuring seamless real-time data transfer between healthcare entities
- Providing end-to-end integration of payer ecosystem
- Enhancing member and provider engagement

	Activities	Deliverables
<b>Foundational</b>	<ul style="list-style-type: none"> <li>▪ Data mapping</li> <li>▪ FHIR® server set-up</li> <li>▪ FHIR® APIs configuration and development</li> <li>▪ Authentication and authorization services</li> <li>▪ Onboarding API consumers</li> <li>▪ FHIR® data ingestion and parsing</li> <li>▪ API management</li> <li>▪ Bulk FHIR® Implementation</li> </ul>	<ul style="list-style-type: none"> <li>▪ FHIR® REST APIs</li> <li>▪ FHIR® facade server</li> <li>▪ OAuth authentication</li> <li>▪ Consent management</li> <li>▪ FHIR® profiles</li> <li>▪ Data mappers</li> <li>▪ FHIR® implementation guide</li> <li>▪ User management and access control</li> </ul>

	Activities	Deliverables
<b>Transformational</b>	<ul style="list-style-type: none"> <li>▪ Design patterns</li> <li>▪ Mobile development of SMART on FHIR® Apps</li> <li>▪ Storage / database for FHIR® resources</li> <li>▪ Custom resources / extensions</li> <li>▪ Support for cloud infrastructure</li> <li>▪ Audit and lineage</li> <li>▪ Analytics and reporting</li> </ul>	<ul style="list-style-type: none"> <li>▪ Built in FHIR® terminologies / value sets</li> <li>▪ SMART on FHIR® Apps</li> <li>▪ Ability to extend or load custom terminologies / value sets</li> <li>▪ FHIR® data model and governance</li> <li>▪ Analytics and reporting</li> </ul>



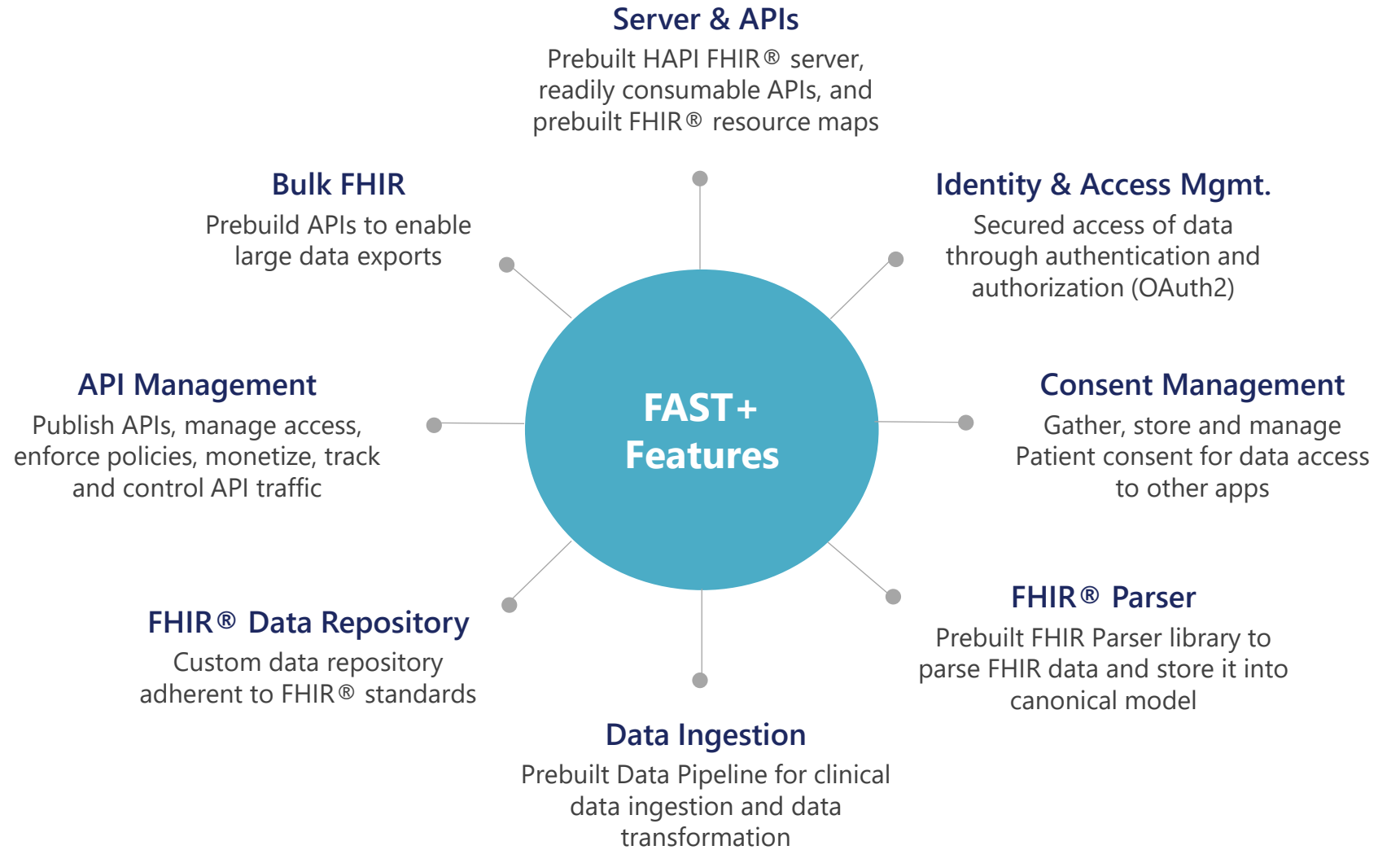
# CitiusTech's FAST+ Solution

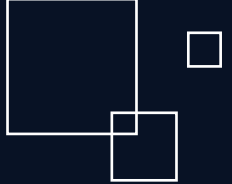


CitiusTech's FAST+ solution enables payers to lay a foundation by complying to CMS' new interoperability rule and supporting them to achieve transformational change in their FHIR® adoption journey

## Features include:

- Servers and APIs
- Identity & Access Management
- Consent Management
- FHIR® Parser
- Data Ingestion
- FHIR® Data Repository
- API Management
- Bulk FHIR®





## About CitiusTech

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), data science (predictive analytics, Machine Learning, AI) and digital engagement (mobile, IoT).

CitiusTech helps customers accelerate innovation in healthcare through specialized solutions, healthcare technology platforms, proficiencies and accelerators. With cutting-edge technology expertise, 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.

## Worldwide Offices

- **US:** Princeton, Dallas, Rochester, Boston, New York, Philadelphia
- **India:** Mumbai, Airoli, Bangalore, Chennai
- **Rest of the world:** Dubai, Singapore, London

**\$205+ Mn**  
in revenue

**4,000+**  
healthcare IT professionals

**40 Mn+**  
lives touched

**69**  
NPS - highest in the industry!

**110+**  
healthcare customers