Interoperability and **patient access** solution with FHIR®

Payers action plan to comply with
CMS Interoperability and patient access rule

CMS Interoperability and patient access rule

On March 9, 2020, CMS released The Interoperability & Patient Access Final Rule (CMS-9115-F) and ONC finalized technical, content and vocabulary standards in the 21st Century Cures Act Final Rule. The rules advance the efforts to make health information more easily available to patients and improve coordination of care

The CMS Interoperability and Patient Access Rule requires insurers that offer Medicare or Medicaid plans to implement and maintain a secure, FHIR Patient Access Application Programming Interface (API) that enables members to easily access:

Claims information, including cost data
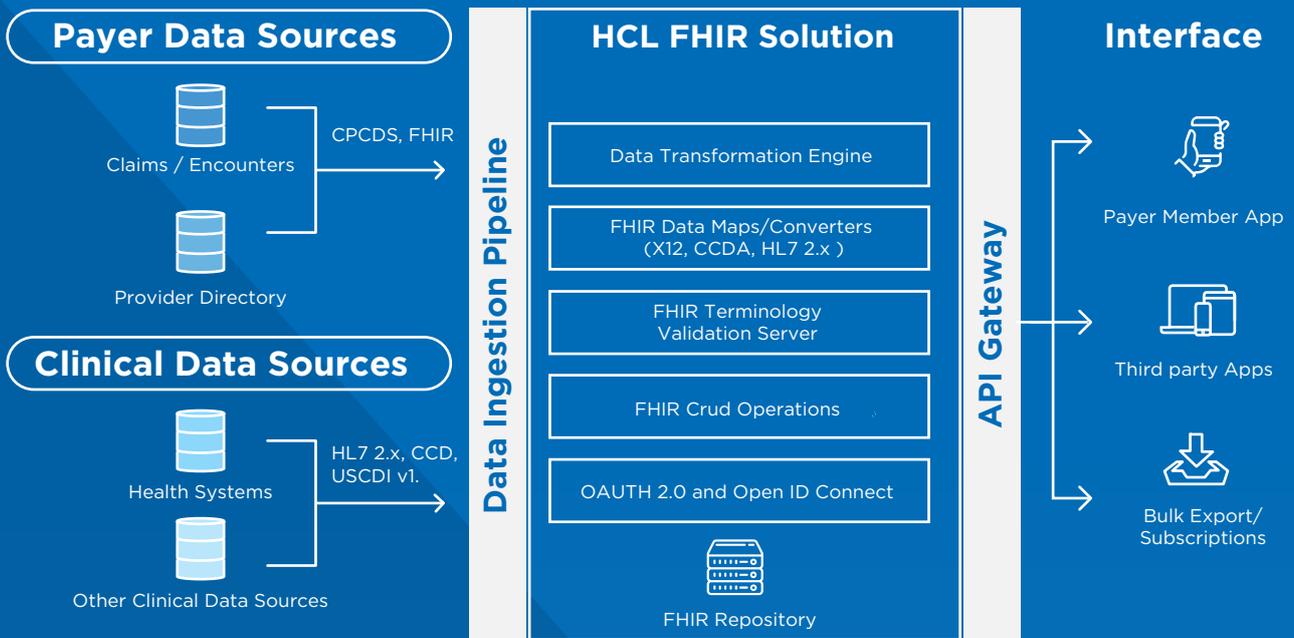
Encounter Information

Clinical Data, as defined by the United States Core Data for Interoperability (USCDI)

CMS Policy	Patient Access APIs	Provider Directory API	Payer to Payer data exchange
Description	FHIR-based API to share the following data with members •Adjudicated Claims •Provider Remittances •Enrollee Cost-Sharing •Encounters •Clinical Data (USCDI v.1) •Formularies or preferred drug lists	HIR-based APIs for following provider directory info •Provider names •Address •Phone numbers •Specialties •Includes MA-PD Pharmacy directory requirement	Send and receive patient data at the request of members using common data classes and data elements from USCDI v1 (examples) •Allergies and Immunizations •Problems/Procedures •Care Team Members •Clinical Notes/Goals
Compliance Deadline	**Deadline - January 1, 2021** **CMS Enforcement Date -July 1, 2021***	**Revised Due Date – 7/1/21** **CMS Enforcement Date – July 1, 2021***	**Revised Due Date – 7/1/22**

Payer Interoperability FHIR solution

HCL Interoperability solution with modular components and reusable reference implementations delivers best-of-breed FHIR-based interoperability that fully aligns with technical standards, content standards, and implementation guidance by CMS Interoperability and Patient Access Final Rule. The solution supports a broad array of standards-based exchanges of healthcare data enabling payers and providers to empower their members/patients with health information via cutting-edge technology:

- Bi-Directional Data Exchange
- Secure APIs / REST Support
- OAuth 2.0 / OpenID Connect 1.0

- Integrated workflow
- Standards: FHIR 4.0.1 (v2-4)
- Pre-Build FHIR Bundles/Maps

Payer Data Sources

Claims / Encounters

Provider Directory

CPCDS, FHIR

Clinical Data Sources

Health Systems

Other Clinical Data Sources

HL7 2.x, CCD,
USCDI v1.

Data Ingestion Pipeline

HCL FHIR Solution

Data Transformation Engine

FHIR Data Maps/Converters
(X12, CCDA, HL7 2.x)

FHIR Terminology
Validation Server

FHIR Crud Operations

OAUTH 2.0 and Open ID Connect

FHIR Repository

API Gateway

Interface

Payer Member App

Third party Apps

Bulk Export/
Subscriptions

Why HCL Interoperability solution

Rapid adoption of FHIR
Standards saving time
and money

Jump start the
development of FHIR
based projects with a
proven technology

Pre-built maps from the
CMS provider directory
format to FHIR 4.0.1

Full support for USCDI
v1 and CPCDS data sets

Flexible implementation
options including
on-premise, hosted,
and cloud

Patient data correlation
and de-duplication
capabilities built into
the platform

Integrate existing workflows, continue working
with your non-FHIR-compliant partners that still
send you HL7, EDI, CCD data. Our FHIR solution
takes care of converting the data into FHIR.

To learn more about how FHIR Patient Access transforms and refines legacy healthcare data into the FHIR standard required by CMS, please reach out to us at **contact.lsh@hcl.com**

HCL

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