Wipro’s Interoperability and Patient Data Access Solution
Are you prepared to meet the CMS Interoperability and Patient Access final rule?
Introduction

The Interoperability and Patient Access final rule puts patients first, giving them access to their health information when they need it most and use it in a manner they deem best. The rule is designed to move the healthcare system toward greater interoperability by liberating patient data through secure, robust and interoperable access to health and financial data to patients and member selected third parties. Healthcare organizations are grappling with questions like:

Where do we start?
Do we build or buy?
Do we have the required business and technology skills?
Which solution is best for us?
How much does it cost?
What’s beyond the CMS mandate?

Wipro’s solution and highly-skilled Interoperability experts can answer all these questions for you.

The solution

Our turnkey platform seamlessly integrates with the enterprise applications. The platform is built in partnership with Microsoft to provide HCOs with FHIR-based interoperability and is aligned with Da Vinci, CARIN, Gravity, and other FHIR accelerators for the future.

Wipro’s goal is not just to help you meet the compliance objectives but help generate new revenue streams and ensure stickiness of your member engagement through the following:

- Develop and update existing APIs for consumption by third parties for member and provider data
- Meet the requirement to register APIs and provide documentation
- Participate in trusted exchange framework
- Openness without any compromise in security, privacy and adherence to state/federal regulations
- Consistent and repeatable five-step process:
  - Identify relevant source systems for data and possible changes
  - Perform gap analysis in terms of data needs, mapping, current, and to-be functionality
  - Extract, standardize and transform data into standard format along with quality
  - Transform data into formats such as USCDIS, CPCDS etc.
  - Integrate with API engine for trusted data sharing
We provide a secure and scalable cloud-based end-to-end interoperability solution to meet interoperability success. Key features include:

- **Transformation of your existing legacy data into the FHIR API server**
- **FHIR based APIs to securely share data such as provider network, clinical, medical, and pharmacy claims data**
- **Receipt of data from providers and previous plans**
- **Controls to evaluate and approve third party applications**
- **Member authentication and consent management**
- **Alignment to the Da Vinci, CARIN, Gravity, and other FHIR accelerators for the future**

**Data Sources**

- Claims
- Clinical
- Pharmacy
- Member
- Provider

**Data-flow architecture (business level)**

- **FHIR Platform**
  - Data Integration and Standardization
  - FHIR Resources
  - Enterprise API Gateway

  - Administration
    - Patient
    - Practitioner
    - Organization
    - Location

  - Clinical
    - Allergy
    - Procedure

  - Diagnostics
    - Observation

  - Financial
    - Claim

- **FHIR R4 APIs**
- **X12, CCDA converters**
- **Plugins and normalizers**
- **X12, CCDA converters**
- **FHIR data storage on Distributed Postgres**

**Interfaces**

- **Members and 3rd party Application marketplace**
- **Developer Portal**
- **HIE**
- **Payer**

**Figure 1: Solution overview**
Key benefits

- Easy to implement out of the box solution Assured business value beyond the mandate compliance enabling competitive edge
- Offered on a per-year-per-member (PMPM) model with low upfront implementation cost
- Achieve compliance in 12 weeks or less once data is in standardized format
- Purpose-built solution to accelerate compliance

Built by a team with deep interoperability expertise including the implementation of Blue Button 2.0 and backed by one of the largest third-party submitters with CMS servicing 20 million lives
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