DYNAMIC FHIR

IGNITING INTEROPERABILITY

The Dynamic FHIR API makes EHR patient data readily available and ignites interoperability using the HL7® FHIR® standard. FHIR is based on common web technology using a RESTful API protocol.

An API with access to patient data is required for 2015 Cures Edition "Base EHR" certification. For MIPS, providers must have 2015 Edition Cures Update software Certified for:

- 170.315(g)(7) : App access - patient selection
- 170.315(g)(9) : Application access - all data
- 170.315(g)(10): Bulk FHIR (Flat FHIR)

A FHIR API is mandatory to maximize MIPS/ Quality Payment Program scoring under Promoting Interoperability. It is needed for "Provide Patient Access" within "Patient Electronic Access to Health Information" .

Features:

- True FHIR DataStore serves as your interoperability hub

- Delivers XML or JSON to API client of your choice

- Retrieves all USCDI data or a class of data (e.g. clinical notes, problems, labs)

- Dynamic FHIR API leverages FHIR R4 and SMART on FHIR Core Capabilities:

  ⇒ Launch Standalone Patient

  ⇒ LaunchEHR Practitioner
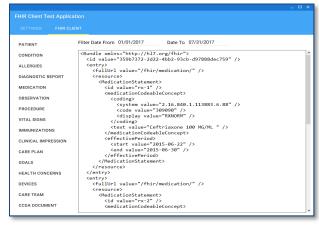
  ⇒ Bulk FHIR with Backend Service Authorization

Dynamic FHIR User Registration

Easy access

Through a browser-based user interface, the Dynamic FHIR API offers a user-friendly, secure path to activation. After one-time activation, patient data is available without signing into a web portal. Behind-the-scenes, OAuth 2.0 provides secure authorization.

Cooperative development using the API will enable patients to consolidate data in a single location without the hassle of multiple logins and limitations of data as presented in a user portal.

CCDA v2.1 as shown in ConnectEHR

FHIR Resources from any v2.1 CCDA

FHIR resources are created in DHIT's server from the latest ONC-certified CCDA r2.1. FHIR resources are mapped to sections in USCDI and reachable by URL. Health IT applications can make read-only data requests for patient health information extracted from your CCDA. CCDAs can be generated directly from your EMR or received using protocols such as Direct or Web Services.

XML Output in DHIT Application

XML or JSON to any API Client

Developers can use a wide range of API clients, from PostMan© to DHIT's own display client, to deliver patient data. Requests are made against Dynamic FHIR API for all patient data and subsets by date range and section. The FHIR Server handles Errors & has valid Exception methods providing an HTTP status code and Meaningful messages in both JSON/XML format. DHIT's FHIR API Client (*shown at left*) provides a clean section-mapped view, with a full listing of FHIR resources available.

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