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 protocol.

For 2015 CEHRT, an API with access to patient data is required for "Base EHR" certification. For 2018, providers will need 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)

An API is mandatory to maximize MIPS/Quality Payment Program scoring and for MU 3. It is needed for "Provide Patient Access" in "Patient Electronic Access to Health Information" .

Features:

- Data consumed from version 2.1 CCDA

- Delivers XML or JSON to API client of your choice

- Retrieves all USCDIv1 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

  ⇒ Launch EHR Practitioner

  ⇒ Bulk FHIR with Backend Service Authorization

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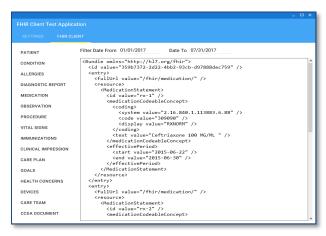
Cooperative development using the API will enable patients to consolidate data in a single location without the hassle of multiple logins and limitations of data as presented in a user portal.

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 the Common Clinical Dataset and reachable by URL. Health IT applications can make read-only data requests for patient health information with a robust CCDA as the basis. CCDAs can be generated directly from your EMR, or recived using protocols such as Direct or TCP/IP.

XML Output in DHIT Application

XML or JSON to any API Client

Developers can use a wide range of API clients, from Post-Man© 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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