

# HL7® FHIR® Accelerator Panel: Solving Real World Challenges with FHIR

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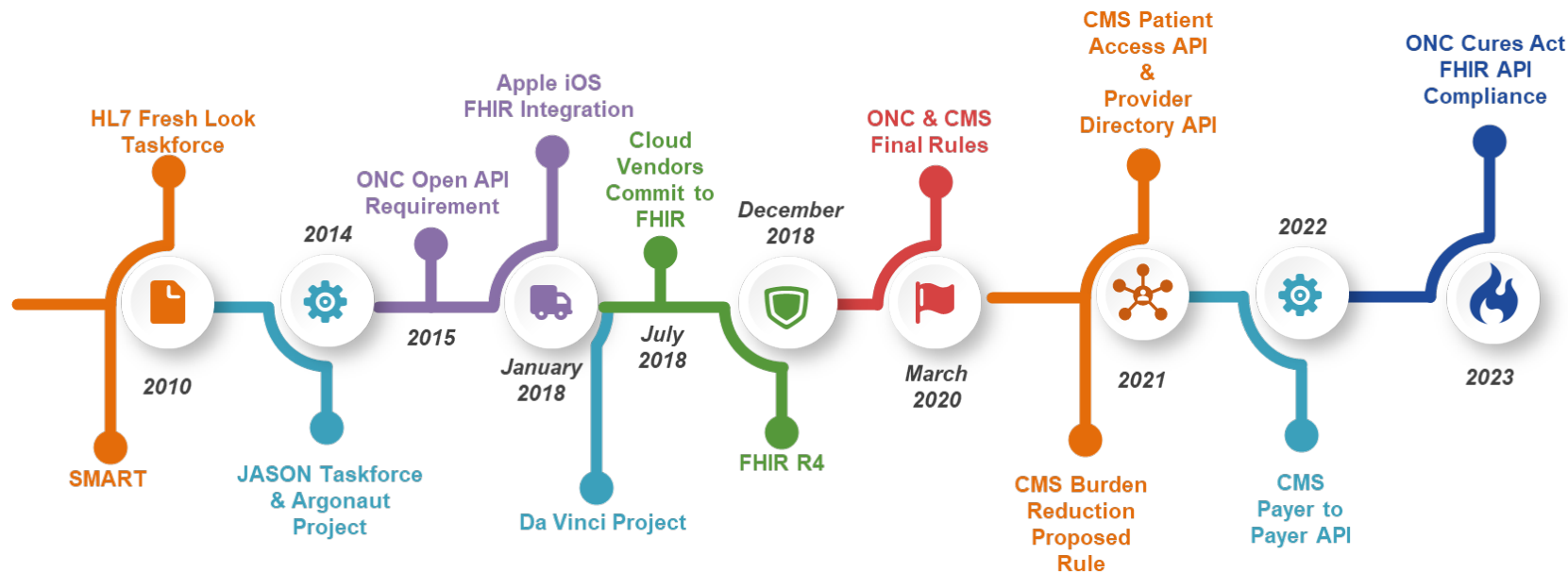
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# HL7 FHIR Timeline



# Re-envisioning HL7 Initiative<sup>1</sup>:

## Role of the Implementation Division

**Focus:** Initially, on FHIR + bridging HL7 V2.x/CDA R2 to FHIR

**Agility:** From the requirements to the wire, as fast as possible with the right amount of rigorous quality assurance. Intimate collaboration with the Standards Development Division.

**Global Relevance:** Our single perspective is to begin and remain global. Each Implementation Division program must support adaption and/or adoption by national affiliates or global organizations.

**Sustainability:** The Implementation Division will be self-sustainable. If possible, each implementation program will be self-sustaining.

**Community:** Hearing the voice of our community inside HL7, but always trying to expand to new stakeholders all along the community spiral.  
Our mandate is to **listen**.

<sup>1</sup>Re-envisioning HL7 Initiative begun in July 2020

# HL7 FHIR Accelerator Program

Begun only 4 years ago, the program assists implementers across the healthcare and research ecosystem in the creation of FHIR implementation guides and critical public- and private-sector solutions.





Provider, payer and vendors  
working together to  
accelerate the adoption of  
FHIR® as the standard to  
support and integrate value-  
based care (VBC) data  
exchange across  
communities.

#### Accomplishments

- Founded in 2018, members include over **50 Providers, Payers and Vendors**
- Advancing **12 balloted** how to use **FHIR guides** to support Payer and Provider collaboration
- Provides a robust community of FHIR adopters to prioritize and solve how APIs can solve business problems
- Referenced widely in existing and emerging regulation, widespread early adoption

#### Current projects

- Active build and additions to **Prior Authorization automatization, Exchange of Quality and Risk Data, Bidirectional Provider Payer Clinical Data**

#### Upcoming activities

- VBC Contract Performance Metrics Data

**COME FIND YOUR USE CASE AND  
PARTNERS!**

# Key Points



Our vision is to rapidly advance the ability for **consumers** and their **authorized caregivers** to easily **get, use, and share their digital health information** when, where, and how they want to achieve their goals.

**CARIN Alliance Code of Conduct**

**CARIN Alliance Code of Conduct App UX Guide (Apps)**

**CARIN Application Registration Guide (Data Holders)**

**MyHealthApplication.com**

## **3 FHIR API Implementation Guides**

- CARIN IG for Blue Button (STU2)
- CARIN IG for Real-Time Pharmacy Benefit Check (STU1)
- CARIN IG for Digital Insurance Card (STU1)

## **CARIN / HHS Digital Identity Proof of Concept**

- 20 organizations
- ONC and CMS will be government observers

## **Call to Action:**

- Need more organizations willing to test more IGs



Private sector initiative  
to advance industry  
adoption of modern,  
open interoperability  
standards.

## Key Points

**Accomplishments:** consumer API (policy goal, app participation, EHR vendor collaboration)

**Current projects:**

1. [Electronic Health Information Export API](#)  
(wrapper only)
2. [Publication of FHIR endpoint and structure](#)
3. [FHIR Write - App State](#) -
4. SMART Health Links (Q3)
5. International Patient Access (IPA)
6. USCDI v2 + US Core (data model only)
7. Argonaut Long-Term Support (office hours)

**Upcoming activities:** Q2 drafts to be published

**Call to action:** More real-world testing,  
feedback to iterate on already published IGs  
(bulk FHIR, subscriptions, questionnaire)

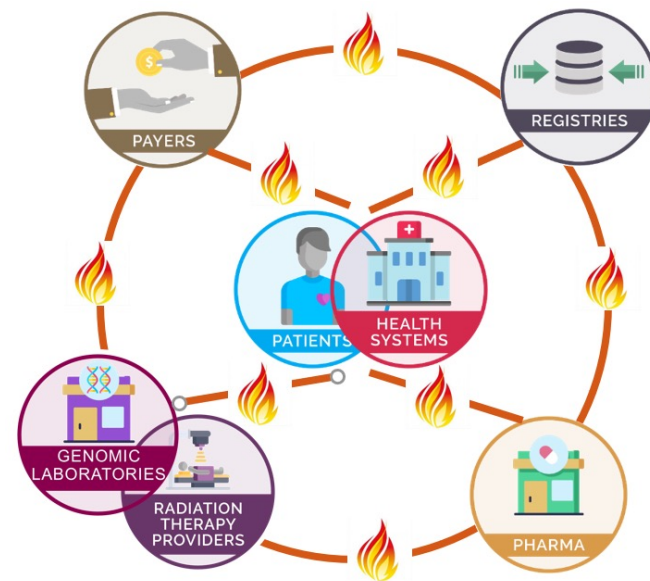


mCODE: Implemented by Epic + 14 other systems (so far)

## *Demonstrating step-change improvements in patient care*

- **Vision: Collect patient data once**  
**Reuse for many use cases**
- Cancer, cardiovascular, genomics
- Challenging **use cases**
- New, low-burden, valuable **workflows**
- FHIR IGs: **mCODE** and more
- **Integrating** into healthcare and vendor systems
- **Testing** in the field with stakeholders

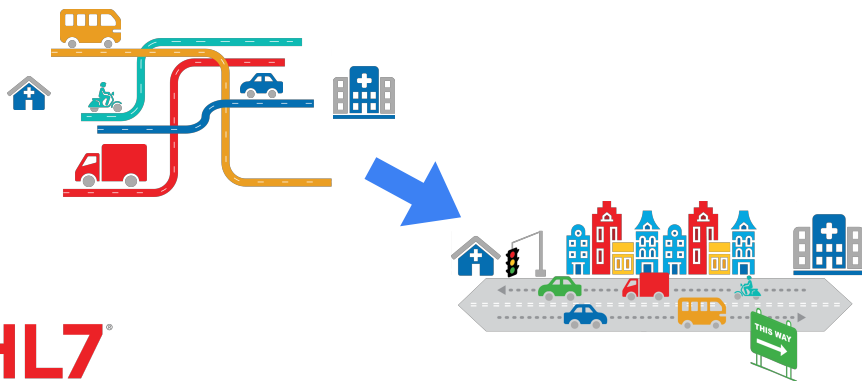
**CodeX Community:**  
30 Members  
and 130 others







Defining solutions to address current barriers and identifying needed infrastructure for scalable FHIR solutions.



## Key Points

### Accomplishments

- Approved HL7 standard for FHIR API security and FHIR Exchange between networks

### Current projects

- API directory IG in progress – May 2022
- Patient matching for FHIR transactions IG in progress – May 2022

### Upcoming Activities

- Move FAST to HL7 accelerator
- Determine the next round of focus: testing, certification, versioning, consent, workflow, eventing, etc

### Call to action

- Come Join
- Call for founding members to continue progress. [fast@hl7.org](mailto:fast@hl7.org) for more info



Helping public health to align with  
and benefit from widespread  
standardization and  
transformation that are happening  
around digital health data.

- **Diverse teams** across public health, healthcare, philanthropic organizations, and the private sector work together to tackle longstanding challenges and explore new opportunities to advance interoperability.
- Align with and address known gaps in the FHIR standard to help **promote more flexible and effective data exchanges** with healthcare, the public, and other sectors beyond public health.
- **Prioritize** a small set of **use cases** that complement what exists today and make it easier for public health officials to act swiftly, share insights effectively, and have a greater impact in their communities.

# HL7 FHIR Accelerators

