The CodeX HL7 FHIR Accelerator

People’s lives are depending on what we do and what this data tells us.

A Member-driven community accelerating interoperable data modeling and implementation around the FHIR and mCODE HL7 standards, leading to substantial improvements in clinical care and research

http://hl7.org/CodeX

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Professor of Surgery, Harvard Medical School
President, Alliance for Clinical Trials in Oncology
1 Accelerator = Multiple Clinical Specialties

HL7 FHIR Accelerator

Oncology Domain
mCODE™

Cardiovascular Domain
CardX

Genomics Domain
GenomeX

New!
Use and reuse directly for...

- Care of the patient today.
- Health of the patient for a lifetime.
- Ensuring that one patient’s journey improves care for all future patients.

Collect patient data once.

Structured, actionable, clinical data defined by FHIR Implementation Guides
Work & Impact Strategy

1. Welcome!
   ...Community of stakeholders

2. Prioritize
   ...Use Cases to improve patient care and research

3. Build
   ...core, standard FHIR IGs (ex: mCODE)

4. Implement
   ...standards into real products, systems, workflows

5. Execute
   ...Pilots in the real-world with real users to demonstrate impact and enable rapid adoption, scaling
CodeX™ Community of Practice

https://confluence.hl7.org/display/COD/mCODE+Community+of+Practice

Latest developments on mCODE, CodeX, and cancer data exchange

Ask questions and learn from the experience of other community participants

Develop and share best practices for clinical workflows, data modeling, and exchange

- Health Systems: 55
- Payers: 7
- Pharma: 10
- EHRs and other tech companies: 85
- Medical Societies and Consortia: 12
- Government Agencies: 14
- Research Organizations: 12
- Nonprofits/Foundations: 7
- Patient Advocacy Organizations: 2

https://confluence.hl7.org/display/COD/mCODE+Community+of+Practice
CodeX Members
(September 2022) CodeX Founders ★

PREMIER

AMERICAN ASSOCIATION OF PHYSICISTS IN MEDICINE
ASTRO
HL7 International
Pfizer
ALLIANCE FOR CLINICAL TRIALS IN ONCOLOGY
EVERNORTH
Syntropy
ontada
UnitedHealthcare

PRINCIPAL

Cancer Action Network

BENEFACTOR

CIBMTR
ASCO
"TEMPUS
Trajectory"

TEMPUS
"TEMPUS
Trajectory"
Telligent

GOVERNMENT AGENCY

CDC
FDA
University of Nebraska Medical Center

GOVERNMENT AGENCY

U.S. FOOD & DRUG ADMINISTRATION

U.S. FOOD & DRUG ADMINISTRATION

SPONSORED MEMBER

AMGEN
University of Nebraska Medical Center
MCSP

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Learning Health Community

ONC

DEVELOPER/IMPLEMENTER

ColdX Insights
elimuinformatics
massivebio
mcg
MitLee Solutions
Navigate Oncology
NeuralFrame

DEVELOPER/IMPLEMENTER

Oncora MEDICAL
patientlink
PHENOTIPS
PRINCIPIA HEALTH SCIENCES

Oncora MEDICAL
patientlink
PHENOTIPS
PRINCIPIA HEALTH SCIENCES

OL HC
Quaidam Leap Healthcare Collaborative
Wemedoo

OL HC
Quaidam Leap Healthcare Collaborative
Wemedoo
CodeX Use-Cases

https://confluence.hl7.org/display/COD/CodeX+Use+Cases

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**Oncology**  mCODE™
- mCODE++ Extraction
- Clinical Trials
- Trials Matching
- Registry Reporting
- Radiation Therapy Treatment
- Prior Authorization
- Risk Evaluation and Mitigation Strategies
- Quality Measures

**Cardiovascular**  CardX
- Hypertension Management

**Genomics**  Genomex
- Data Exchange
- Operations

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**Stages**

- Discovery
- Planning
- Execution
mCODE™

**minimal Common Oncology Data Elements**
FHIR Implementation Guide

mCODE STU2:
http://hl7.org/fhir/us/mcode/
Building an **Engaged** Network of Health System Implementers

**mCODE™**

Brigham and Women’s Hospital
City of Hope
Dana Farber Cancer Institute
Duke University
Heartland Cancer Research
Massachusetts General Hospital
McGill University
MD Anderson Cancer Center
Metro-Minnesota Community Oncology
Missouri Baptist
Northwell Health
Rush University Medical Center
Saint Joseph Mercy Health System
The Ohio State University

The University of Chicago Medicine
ThedaCare
Trinity Health
UNC Lineberger Comprehensive Cancer Center
University of California San Francisco
University of Kansas Medical Center
University of Michigan
University of Pennsylvania
University of Texas Southwestern
Veterans Health Administration
Virginia Commonwealth University
Wake Forest University
Washington University in St Louis

**Scaling through Industry Implementations**

CancerInsights
Cerner
Clinical Pipe
Elekta
Elsevier
Epic
Flatiron
IQVIA
Jitterbit
MassiveBio
Mettle Solutions
Microsoft
NeuralFrame
Nuance
PatientLink
Pfizer
RaySearch
Roche
Semedy
Syntropy
Trial Jectory
Varian
Wemedoo

Oncoclinicas
Taiwan Cancer Registry
Netherlands Cancer Registry
UC Los Angeles
Mayo Clinic

Engaged & Previously Expressed Interest – Engaged in multiple conversations and/or in the process of being Active
Join Us for the **CodeX**™ **Birds of a Feather**

Today, Tuesday September 20

5:30 – 7:00 PM ET

*Light refreshments to be served*

[https://confluence.hl7.org/display/COD/CodeX+Home](https://confluence.hl7.org/display/COD/CodeX+Home)

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