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Pages

## CodeX Home

Created by Joshua Procius, last modified by Sutin Chen on Apr 17, 2023



### CodeX Presence at HIMSS 2023!

The CodeX Community is bringing standards to healthcare data so patients have the care and research journey they deserve and should expect.

Presentation Details: [found here](#).

### Objective

CodeX is a Member-driven HL7 FHIR Accelerator hosting a growing community working together to enable FHIR-based interoperability that drives substantial improvements around the most important challenges and opportunities in patient health.

In the Oncology space, CodeX Members are achieving interoperability by integrating and testing the mCODE (minimal Common Oncology Data Elements) FHIR Implementation Guide -- an open standard language for cancer data -- within Use Cases that test new workflows supporting better cancer care and research.

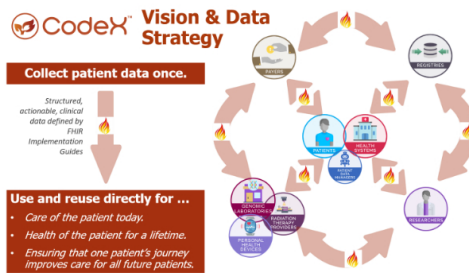
CodeX is leveraging the CodeX/mCODE experience, building vibrant communities and solving real-world challenges in two new domains: Cardiovascular and Genomics.

To stay up to date on all CodeX news, subscribe to the general mailing Listserv to your right. Feel free to email CodeX@hl7.org to share questions and interest.

[Sign up for CodeX Communications](#)

### CodeX Vision & Data Strategy

All Use Cases align with the vision of collecting patient data once, and re-using it to enable a range of critical workflows:



### CodeX Work & Impact Strategy: Community => Use Cases => FHIR IGs + Implementations => Pilots => Impact!

CodeX is driven by its Community, and the community's prioritization of the most important challenges and potential solutions to collaborate on together. CodeX Use Cases - including collection and sharing of patient data for Real-World-Data clinical trials, matching patients with trials, radiation therapy, prior authorization, and registry reporting - demonstrate the potential to improve care and research. This demonstration is achieved through high-quality FHIR standards (free and open for all to use), implementations in software (commercial or open source products) and tested in new workflows, all piloted in-the-field by the stakeholders expected to benefit in the future.



### Community of Practice

CodeX hosts a monthly Community of Practice (CoP) meeting, typically on the last Friday of each month at 12pm ET. These meetings are free and open to all who are interested. The Community discusses recent achievements around leveraging the mCODE standard and associated work to improve health care and research in the real world.

Please register to join our upcoming meeting by (1) selecting "Register Here" (2) including your information for registration and (3) choosing the "Add to calendar" drop-down link to add the meeting information and Zoom invitation.

Valuable content from previous CoP meetings can be found on the Meeting Minutes page. Please joins us!

### Membership

CodeX Members include patient organizations, specialty societies, health systems, researchers, system vendors and many others are already powering our work. The value proposition for becoming a Member of CodeX is clear. CodeX Members ...

- Collaborate and network in a safe environment
- Drive the future, through leadership on strategy, requirements definition, design, planning, building and piloting
- Gain early access to implementation of FHIR-based solutions, before those not involved in CodeX
- Agilely and quickly implement and pilot, thanks to active Member collaboration within the high-productivity framework provided by CodeX Program Management and Technical Support
- Are ambassadors in the global health data standards community

Paying, Sponsored and Government Members have the privilege of serving on CodeX Operating Committee and Use Case Project leadership teams, where they make decisions that drive standards-based solutions and piloting of those solutions.

Contact Su Chen or Michele Galimoto to discuss Membership Value Proposition and Options that will enable you and your organization to drive real impact.

### CodeX in the News

- April 2023: New Integrated Clinical Trials Matching Tool Holds Potential to Expand Access to Cancer Innovation
- March 2023: Blog Post - CodeX to Tackle More HL7 FHIR Patient Care and Research Use Cases with Expanding Steering Committee
- March 2023: CodeX Grows Steering Committee to Advance HL7 FHIR Interoperability
- February 2023: FCW Selects MITRE's Dr. Jay Schnitzer as a 2023 Federal 100 Honoree
- November 2022: Telligent Champions Oncology Quality Measures Use Case
- October 2022: REMS Integration Into Electronic Health Records to be Tested by US FDA in Software Pilot (subscription may be required)
- October 2022: Fighting Deadly Diseases with Equitable and Accessible Data - MITRE News
- October 2022: Monica Bertagnoli begins work as 16th director of the National Cancer Institute - National Institutes of Health New Release.
- September 2022: HL7 News September 2022 Edition - CodeX Advances Oncology Data Sharing (p. 24)

### Quick Links:

- General Public CodeX Website
- Getting Started with mCODE
- CodeX - Master Slide Deck
- In the News
- Past/Future Presentations Calendar
- CodeX Fact-sheet
- mCODE Fact-sheet
- CodeX on LinkedIn
- HL7 Accelerator Resources

### Recent Blog Posts

#### Blog Posts

- CodeX Taking Steps Towards Achieving Equitable Outcomes in Oncology created by Melissa Bundy CodeX Dec 15, 2021
- Patient Voices Series - Part 3 - Lack of Clinical Trial Accessibility: Patients Miss Out on Potentially Lifesaving Treatments created by Kim Ball CodeX Sep 28, 2021
- Patient Voices Series - Part 2 - The Overlooked Negligent Homicide: Bias and Racism in Healthcare created by Jennifer Peak CodeX Aug 23, 2021

### Program Management

- Sutin Chen**  
Website: <https://www.linkedin.com/in/su-sutin-chen/>  
Position: Program Manager & Clinical Director, CodeX  
Department: MITRE  
Location: Bedford, MA
- Michele Galimoto**  
Website: <https://www.linkedin.com/in/michele-galimoto-65b4536/>  
Position: CodeX Deputy Program Manager  
Location: Pittsburgh, PA
- Elizabeth Canzone**  
Website: <https://www.linkedin.com/in/elizabeth-%E2%80%99cliz%E2%80%99D-canzone-ph-d-9b98392b/>  
Position: Deputy Program Manager  
Department: MITRE: Health Innovation Center  
Location: McLean, VA
- Anthony DiDonato**  
Website: <https://www.linkedin.com/in/anthonydidonato7/>  
Position: CodeX Community of Practice Lead  
Department: MITRE  
Location: Boston, MA

### Recently Updated

- Quality Measures - Use Case Development Guidelines Checklist about 3 hours ago • updated by Caroline Potteiger • view change
- mCODE\_CodeX\_MasterDeck.pptx about 8 hours ago • attached by Michele Galimoto
- CodeX Membership about 8 hours ago • updated by Caroline Potteiger • view change
- mCODE\_CodeX\_MasterDeck.pptx about 8 hours ago • attached by Caroline Potteiger
- 2023-05-31 Quality Measures Terminology Meeting about 9 hours ago • updated by Gail Winters • view change
- Quality Measures Meetings about 10 hours ago • updated by Gail Winters • view change
- 2023-05-31 Quality Measures Terminology Meeting yesterday at 10:09 PM • updated by Doug Williams CentanniPark • view change

Program Report

- September 2022: HL7 FHIR to launch genomic data interoperability community - Digital Health Insights (dhisights.org)
- September 2022: HL7 FHIR Accelerator Launches Pilot for Oncology Prior Authorization, EHR Intelligence.
- September 2022: HL7 CodeX pilot to test prior authorizations in oncology, HealthcareIT News.
- August 2022: HL7's Accelerator CodeX Launches Pilot to Simplify Prior Authorizations in Oncology, press release.
- August 2022: President Biden Intends to Appoint Dr. Monica Bertagnolli as Director of the National Cancer Institute, The White House.
- August 2022: HL7 Launches GenomeX Community to Enhance Genomic Data Interoperability, EHR Intelligence.
- August 2022: HL7 FHIR Accelerator CodeX Adds Genomics, Cardiovascular Efforts, Health Innovation.
- July 2022: CodeX, HL7 International Launch GenomeX Community to Enhance Access to Genomic Data for Improved Patient Care, press release
- June 2022: HL7 News June 2022 Edition - CodeX Expands (p. 20)
- May 2022: MITRE Researchers Blaze a Shortcut to Health Data Sharing and Analysis
- Mar 2022: ACS CAN Provided Nearly \$1 Million in Support From Amgen to Expand Cancer Clinical Trial Enrollment Through Improved Technology and Patient Support | American Cancer Society Cancer Action Network (fightcancer.org), press release.
- Jan 2022: Taking Next Steps Towards Achieving Equitable Outcomes in Oncology, HL7 The Standard Blog.
- Sep 2021: HL7 News September 2021 Edition - Improving the Flow of Data from Multiple Databases is Crucial in Improving Therapy for Oncology Patients (p. 16)
- Jun 2021: New Approach Could Make Clinical Trials More Equitable and Accessible, The MITRE Corporation.
- Jun 2021: The Future of Oncology Data is Happening Now, ASTRO Blog.
- May 2021: ACS CAN and CodeX Lead Project to Expand Cancer Clinical Trial Enrollment Through Improved Technology, press release.
- mCODE, CodeX and Accelerating Healthcare Innovation - Part One: Informonster Podcast, a podcast about the Healthcare IT industry hosted by Charlie Harp, CEO of Clinical Architecture: mCODE, CodeX and Accelerating Healthcare Innovation - Part Two
- Structured Data Capture for Oncology; Alexander K. Goel, Walter Scott Campbell, and Richard Moldwin; JCO Clinical Cancer Informatics 2021 : 5, 194-201
- Feb 2021: HL7 News - CodeX Community Accelerates Smarter Data for the Fight Against Cancer (p.16)
- Nov 2020: Improving Cancer Data Interoperability: The Promise of the Minimal Common Oncology Data Elements (mCODE) Initiative
- Oct 2020: HL7 News - CodeX Community Stress-Tests the Value of a Common Language for Cancer Data
- "The Dish on Health IT" Podcast - Episode 11: HL7 CodeX: Transforming Cancer Care and Research
- Aug 2020: Healthcare IT News: MITRE working with Nuance and Mayo Clinic on AI and automation for clinical datasets
- Jul 2020: Healthcare Innovation: ICARE Study Gathers EHR Data for Oncology Research
- Jul 2020: NASEM Health and Medicine Division - Monica Bertagnolli, Dana-Farber Cancer Institute/Brigham and Women's Cancer Center

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- image-2023-5-31\_17-52-5.png  
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- image-2023-5-31\_17-50-21.png  
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- image-2023-5-31\_17-39-58.png  
yesterday at 9:39 PM • attached by Doug Williams CentanniPark
- 2023-05-30 Tech/Term Workgroup  
yesterday at 5:39 PM • created by Gail Shenk

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Nicholas Bum likes this

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Space tools



# Better Data. Better Health.

The CodeX community is singularly focused on bringing standards to healthcare data so patients have the care and research journey they deserve and should expect.

[CodeX in the News](#)

[Contact Us](#)

## For Our Future

In our healthcare system, 65% of data belonging to patients is siloed, unstructured and is held in different forms across patient care, research and payment ecosystems. — Source: Health Information Technology Advisory Committee (HITAC)

Today, a consistent patient health story is nearly impossible to track and share because data are unreliable, lack standardization, and are largely unusable. CodeX is the only member-driven community focused on solving the problem of silos endemic to our current healthcare system for specialty health data. We enable high-quality computable data — using Health Level Seven International (HL7) and Fast Healthcare Interoperability Resource (FHIR) standards — to create an open common language for patients, care teams, and researchers to advance data ownership, sharing, and reliability.

## Building data unity for patients, clinicians, and research.

Common data definitions drive high-quality computable data that are trusted, consistent, and usable.



**1** **Caring for Every Patient**  
Break down silos and manual processes for efficient care and research across all settings, building trust with your care team and accurate data.



**2** **Learning with Every Patient**  
Create easily accessible, accurate, and longitudinal patient stories that caregivers can use to personalize treatment and care.



**3** **Transforming Care for All**  
Revolutionize healthcare and research by leveraging standardized data of individual patients to contribute to the health of all future patients.



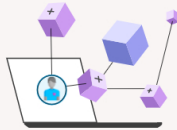
“ People's lives are depending on what we do and what these data tell us

Dr. Monica Bertagnoli

Prior President of American Society of Clinical Oncology, Prior Group Chair of Alliance for Clinical Trials in Oncology

## Health Data. Collect Once, Use Everywhere.

CodeX is a global community of healthcare stakeholders currently working on data standards in three domains. We build and implement in the field and on-site.



### Cancer

The first domain that the CodeX community tackled is cancer. Using the minimal Common Oncology Data Elements (mCODE), an open data standard enabling high-quality data capture for cancer that can be widely adopted.

70+ oncology elements in use at Dana-Farber Cancer Institute, MD Anderson Center, Massachusetts General Hospital and 45 other institutions. Versions of the mCODE and associated modeling tools are currently operational in over 250 organizations.

[See Our Work](#) →

### Genomics

This team is advancing the standardization, interoperability, and exchange of genomic data to improve care processes, clinical workflows, and patient outcomes from all areas of clinical care.

[See Our Work](#) →

### Cardiovascular Health

This team is engaging patients, as well as clinical and research stakeholders, to create standard representations of heart health to enable standards-based interoperability in cardiovascular health and healthcare.

[See Our Work](#) →

## Our Traction

Since 2019, CodeX has been working in partnership with our community, building interoperable systems to positively impact the lives of real patients.

10

Use Cases Underway

6

External Sources of Funding

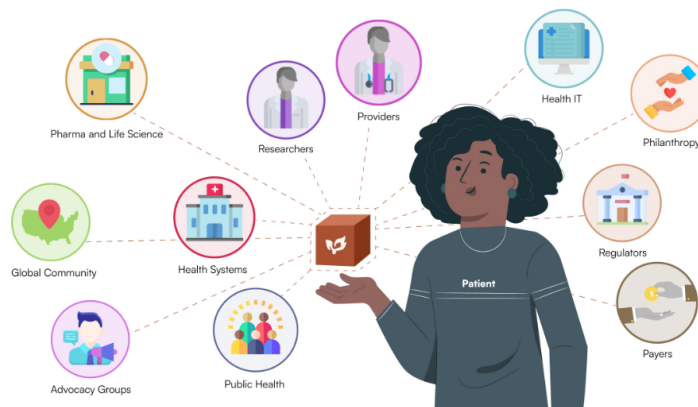
45

Member Organizations

200+

Community Members

## The CodeX Community



#### Patients

Growing a high-resolution longitudinal health record with easier access to care, research, clinical trials, and your health data.



#### Health IT

Removing data inaccuracies by embedding structured CodeX data in real-world innovative solutions.



#### Public Health

Assuring real-time public health data and solutions for diverse populations across care and research settings.



#### Providers

Improving care continuity with standards-based clinical specialty data, spending more time on care than administration.



#### Research

Improving diversity and equity in clinical research with improved trial matching, common data sets, and targeted population research.



#### Payers

Gaining insights to drive effective value-based care models and fraud reduction.



#### Health Centers

Assuring efficient, interoperable data exchange and reporting, and improved patient and care team satisfaction.



#### Regulators

Advancing healthcare policy decisions with timely, high-quality data in registries and adverse events reporting.



#### Advocacy Groups

Mobilizing efforts by understanding the healthcare and research needs and challenges in the communities you serve.



#### Pharma and Life Science

Increasing diversity and accessibility in clinical trial enrollment, improving treatment and drug safety monitoring.



#### Philanthropy

Building collective impact to accelerate health equity, research, and care outcomes.



#### Global Community

Growing a global learning health system through open-standards clinical specialty data.



## Use Case Spotlight: ICAREdata

enrolled in clinical trials due to poor data collection of their cancer therapies. This project focuses on collecting key outcome data that is standardized, research-grade, and longitudinal across organizations to promote health equity and reduce burden on health sites. This novel approach to data collection has already been adopted by over 13 health sites.

[Read more use cases](#) →

## News & Updates [Read More](#) →

### [CodeX Grows Steering Committee to Advance HL7 FHIR Interoperability](#)

EHR Intelligence ♦ March 15, 2023

The five new CodeX Steering Committee members will help guide standards development for HL7 FHIR use cases, like genomic data interoperability.

### [FCW Selects MITRE's Dr. Jay Schnitzer as a 2023 Federal 100 Honoree](#)

Business Wire ♦ February 27, 2023

FCW named Jay Schnitzer, MD, Ph.D., MITRE chief technology and medical officer, to the 2023 Federal 100 for his leadership in enabling better health outcomes for patients by unlocking the vast research and treatment insights of interoperable electronic health records (EHRs).

### [Statements on President Biden's Historic Appointment of Dr. Monica Bertagnolli as Director of the National Cancer Institute](#)

The White House ♦ August 10, 2022

President Biden formally announced the appointment of Dr. Monica Bertagnolli as the 16th director of the National Cancer Institute. The White House Office of Science and Technology Policy provided the following statements in support of the appointment:

"Congratulations to Dr. Monica Bertagnolli for her historic appointment as the 16th director — and first woman director — of the National Cancer Institute. Dr. Bertagnolli is a leader with impeccable credentials who has made outstanding contributions to the field of clinical oncology. Dr. Bertagnolli arrives at NCI at a critical time in our Nation's efforts to reduce cancer deaths as well as fundamental inequities in the oncology system."

“ Cancer patients are willing to share their data in hopes of finding solutions, not just for themselves but for patients in the future

Debi Willis

CEO and Founder of PatientLink Enterprises, Cancer Survivor



## Check Out Our Latest White-Paper

This white paper explores how the minimal Common Oncology Data Elements (mCODE™) standard could be leveraged to achieve more equitable health outcomes for cancer patients from diverse populations.

[Read Here](#) →

## Build and Innovate on Our Work

We enable high-quality computable data using Health Level Seven International (HL7) and Fast Healthcare Interoperability Resource (FHIR) standards to create a common language.

### Get Engaged

CodeX hosts events every month to keep our community informed and engaged, and to make sure the public's opinions are heard.

[Attend Upcoming Events](#) →

### Expand Our Reach

There are currently over 250+ stakeholders involved in CodeX. Become a member today or join our community of practice. We also are looking to expand our partnerships across various health systems to include small community health centers. Spread the word and implement CodeX at your institution.

[Contact Us](#) →

### Support Our Mission

Funding from foundations, philanthropies, and government organizations will allow us to further scale and drive maximum adoption across systems. Your support will also allow us to expand our work into new domains such as genomics and cardiovascular disease.

[Contact Us](#) →  
[See Who's Involved](#) →

### Open Source

CodeX tools and implementations are open source under the Apache 2.0 license. CodeX data standards are available under the Creative Commons 0 license (CC0). Take a closer look at our technical work at our [GitHub](#).

[Read the mCODE Implementation Guide](#) →

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Space tools

# CodeX Membership Options

Created by Unknown User (oberstrom), last modified by Rute Martins on Jan 04, 2023



This page summarizes the options for joining the CodeX community and the benefits of participating according to the different options. Please contact Michelle Galioto to learn more about CodeX membership.

The **value proposition** for joining the CodeX community is the ability to

- **Collaborate and network** in a safe environment
- **Drive the future**, through leadership on strategy, requirements definition, design, planning, building and piloting
- **Gain early access** to implementation of FHIR-based solutions, before those not involved in CodeX
- **Agilely and quickly implement and pilot**, thanks to active Member collaboration within the high-productivity framework provided by CodeX **Program Management and Technical Support**
- **Be ambassadors** in the global health data standards community

**Paying, Government and Sponsored CodeX Members\*\*\* have the following special benefits:**

- Recognized as **leaders** through CodeX decision-making, thought leadership, conference key notes, press quotes, logos on websites and slides, etc.
- Serve on the **Operating Committee**
- Premier-level Members may run for the decision-making **Steering Committee**
- Serve on **Use Case Leadership Teams\*\*\***, where CodeX Members are responsible for developing project plans, engaging partners, making Use Case decisions and overseeing work

\*\*\* Organizations that commit in writing (CodeX@hl7.org) to join CodeX at any Paying, Government or Sponsored Membership level within 6 months and before the Use Case enters the **Execution Stage** may also participate in Use Case Leadership Teams. This aims to help organizations that need time to complete internal Membership processes and/or want to ensure that the Use Case successfully enters the Execution Stage.

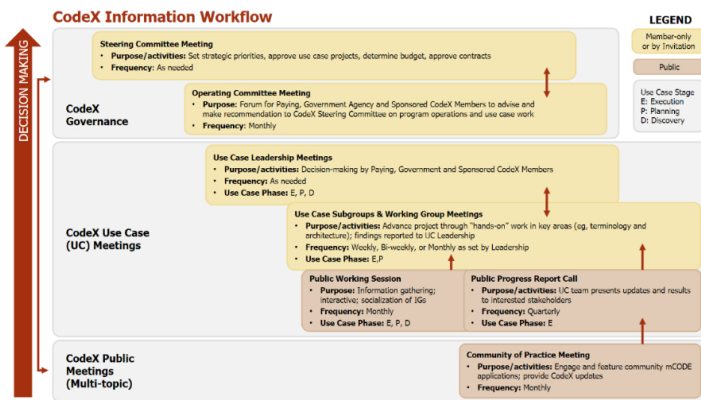
Level	Annual Membership Fees	Operating Committee Vote	Sponsor Partner Operating Committee Membership	Participate in Use Case Leadership Calls	Invited to Use Case Workgroup Calls	Pledge Resources	Access to Use Case Artifacts	Provide Feedback
Premier*	\$45,000	1	2	X	X	X	X	X
Principal*	\$30,000	1	1	X	X	X	X	X
Benefactor	\$20,000	1		X	X	X	X	X
Government Agency	None	1		X	X	X	X	X
Sponsored Member	None	1		X	X	X	X	X
Developer / Implementer**	None			By Invite Only	X	X	X	X

### Notes:

- \*Premier and Principal Members may nominate partner organizations to join the Operating Committee (proxy membership) and must be approved by the Steering Committee
- \*\*Developer/Implementer Members must be approved by the Steering Committee based on their commitment to contribute resources to implement CodeX products and support Use Cases. Developer/Implementer Members with >\$50M in annual revenue will be asked to join as a paying Member after the first year of Membership. Companies with revenues <\$50M may continue as Developer/Implementer Members for as long as they are contributing to CodeX work and remain under the revenue threshold.
- All CodeX Members sign the a standard Statement of Understanding/Member Agreement. This document is the standard used by HL7 and is similar to the document signed within other HL7 FHIR Accelerators.
- Membership as a Founder was open to those who joined at the Premier level before the end of 2020.
- Health systems may participate in CodeX pilots and related planning calls free of charge. Health systems that want to participate in CodeX decision-making may seek to join as Paying, Government or Sponsored Members.
- The CodeX Community of Practice is freely available to all interested parties. [Please register here](#) if you would like to join our monthly calls.

## Learn more about the CodeX Information Flow and Decision Making

The following graphic includes more detail on the typical CodeX meeting structure, how CodeX Members and CodeX leadership work together, key decision making responsibilities and how the public can engage in this important work.



No labels