



For Immediate Release

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CodeX, HL7 International Launch GenomeX Community to Enhance Access to Genomic Data for Improved Patient Care

Seeking members to join in the development and pilot of scalable use cases that enable genomic data sharing to increase patient access to personalized and appropriate care.

Ann Arbor, Mich. — July 28, 2022 – [Health Level Seven® International \(HL7®\)](#) and the [HL7 FHIR Accelerator™ CodeX](#) today announced GenomeX, a new foundational domain, dedicated to advancing the interoperability of genomic data using HL7 Fast Healthcare Interoperability Resources (FHIR®) resources to improve care processes, clinical workflows and patient outcomes. Enabling the use of a patient's genomic information in their care opens a new chapter in physicians' ability to proactively address and more precisely target health conditions.

Building on the work of the HL7 Clinical Genomics Work Group, including its [FHIR Genomics Implementation Guide](#), CodeX's GenomeX community will work together to design and execute scalable pilots that leverage the value of FHIR Genomics across multiple use cases. Proposed use cases include:

- **FHIR Genomics Data Exchange** – Designing and building scalable FHIR Genomics interfaces so that genomic data can easily be shared from laboratories to EHRs and/or genomic repositories
- **FHIR Genomics Operations** – Enabling access to complex genomic data through APIs so that developers can more easily develop and populate data for a range of genomic applications

Initiating this genomics-focused domain within CodeX will expedite genomics use cases by pairing subject matter expertise with tested program management, technical and clinical support, as well as a governance structure.

"We are excited that CodeX is broadening its efforts beyond oncology to include genomics, a fast-growing area of healthcare that will increasingly improve patient care," said Steve Bratt, CodeX program manager.

"Scaling the data standards necessary to make genomics an integral part of everyday healthcare is a perfect opportunity to use the FHIR Accelerator model, which has been successfully executed by CodeX and other accelerators," said Arthur Hermann of Kaiser Permanente and the facilitator for GenomeX. He continued, "I encourage all stakeholders in the genomics ecosystem to join us in this endeavor."

Members of the GenomeX community also weighed-in on the importance of this initiative:

"For clinical genomics to develop beyond its current maturity, we need to represent genetic variation as computable data, not only in the laboratory, but wherever we interact with it. Sharing this data among the many domains where it's required demands a modern, RESTful architecture. The FHIR-based solutions being developed under GenomeX are going to address these needs head-on, and we are eager to participate," stated Peter DeVault, vice president, genomics and interoperability, Epic.

"Having worked with CodeX in the past on several oncology-focused use cases, we are well aware of the potential an initiative like GenomeX has to affect change in terms of helping patients, providers, labs, developers, and other stakeholders access genomic data in clear and meaningful ways," said Jen Webster, senior director, precision medicine RWE lead, Pfizer.

To learn more about the GenomeX community and CodeX membership, please contact Mallory Carellas (mcarellas@mitre.org) or Kim Ball (kim.ball@pocp.com). Visit <https://confluence.hl7.org/display/COD/Genomics> for more information.

About CodeX

CodeX is one of the [HL7 FHIR Accelerators](#) driven by healthcare leaders and health information technology experts who are working together to accelerate the adoption of the HL7® Fast Healthcare Interoperability Resources (FHIR®) as the standard to obtain high-quality, computable data for patient care and research. The initial core focus for CodeX projects was integrating a standard language for cancer data called [mCODE™, or the minimal Common Oncology Data Elements](#), to support better, safer, faster cancer care, with lower burden and cost. CodeX recently announced efforts to leverage the CodeX/mCODE accelerator's experience within two new domains: Genomics and Cardiovascular.

About Health Level Seven International (HL7)

Founded in 1987, Health Level Seven International is the global authority for healthcare information interoperability and standards with affiliates established in more than 30 countries. HL7 is a non-profit, ANSI accredited standards development organization dedicated to a world in which everyone can securely access and use the right health data when and where they need it. HL7 collaborates with other standards developers and provider, payer, philanthropic and government agencies at the highest levels to ensure the development of comprehensive and reliable standards and successful interoperability efforts. For more information, please visit: www.HL7.org.